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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Proceeding	92054629
Party	Plaintiff Sheltered Wings, Inc.
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Date	08/24/2012
Attachments	Declaration of Daniel C. Hamilton.pdf (9 pages)(45925 bytes) Hamilton Ex 7 Eagle Optics Catalog, Vol. 20 No. 1, 2007.pdf (49 pages)(4679851 bytes) Hamilton Ex 8 2008 Eagle Optics Catalog, Vol. 21 No. 1, 2008.pdf (49 pages)(5091941 bytes) Hamilton Ex 9 2009 Eagle Optics Catalog.pdf (41 pages)(3087367 bytes) Hamilton Ex 10 2010 Eagle Optics Catalog.pdf (44 pages)(8956214 bytes) Hamilton Ex 11 2011 Eagle Optics Catalog.pdf (41 pages)(6838896 bytes) Hamilton Ex 12 current line of EAGLE OPTICS binocs.pdf (4 pages)(131111 bytes) Hamilton Ex 13 Petition to Cancel Nikon's reg.pdf (10 pages)(766728 bytes) Hamilton Ex 14 Nikon Eagleview Zoom.pdf (3 pages)(28117 bytes) Hamilton Ex 15_Consent Agreement 2003.pdf (5 pages)(124090 bytes) Hamilton Ex 16_article_Birding Business, February 2005.pdf (6 pages)(1247751 bytes) Hamilton Ex 17 Wis State Journal Article.pdf (3 pages)(1520139 bytes)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

In re Registration No. 3,904,929 SHELTERED WINGS, INC. Petitioner, v. WOHALI OUTDOORS, LLC Respondent.	Cancellation No. 92054629

DECLARATION OF DANIEL C. HAMILTON

I, Daniel C. Hamilton, declare as follows:

1. I am the President and founder of petitioner, Sheltered Wings, Inc., and submit this declaration in support of petitioner's opposition to Wohali Outdoors, LLC's motion for summary judgment. I oversee all the operations of Sheltered Wings, Inc., including the Eagle Optics division of the company, and have primary responsibility for managing the company's branding and trademarks. I have personal knowledge of the facts in this declaration and, if called upon, I could and would testify to these facts.

History of the Eagle Optics Company

2. In October 1986, I opened a Wild Birds Unlimited franchise store in Madison, Wisconsin, with my wife, where we provided products and services, including optics, such as binoculars, to consumers interested in birds and bird watching. We decided to start a separate business selling optics and in 1987 founded the Eagle Optics company.

3. At first, Eagle Optics was operated as a retail store and mail order business out of

our Wild Birds Unlimited franchise store. Initially, we sold other parties' optics, including binoculars, spotting scopes, and telescopes from manufacturers such as Nikon, Swarovski, Bushnell, and Zeiss.

4. We first began advertising our Eagle Optics company sometime in 1988.

5. In 1989, we formed the corporation, Sheltered Wings, Inc., as the legal entity for our Eagle Optics business and created the EAGLE OPTICS logo that we still use today.

6. As we gained more experience and success, we expanded the Eagle Optics company, both in terms of size as well as product offerings and scope. By 1994, we began co-branding optics products, such as binoculars, with other optics companies. For example, the PENTAX/EAGLE 8x24 DCF binocular was one of our early co-branded products.

7. In 1996, we introduced our own EAGLE OPTICS branded optics products. Our first EAGLE OPTICS branded binocular was our EAGLE OPTICS RANGER binocular. Over the years, our EAGLE OPTICS line of optics products grew to include binoculars, spotting scopes, and telescopes.

8. In 1996, we also purchased the domain name, www.eagleoptics.com, and created an informational website to provide information about and promote our Eagle Optics company and EAGLE OPTICS branded products.

9. In 1997, we opened a facility in Middleton, Wisconsin to house our growing optics retail, mail order, catalog, and Internet business in a separate location from our Wild Birds Unlimited store.

10. In 1998, we entered the e-commerce retail market and began to sell products through our website at www.eagleoptics.com, in addition to sales through our Eagle Optics company retail store.

11. In the early 2000s, we also started Eagle Optics' sister company, Vortex Optics, which manufactures and sells optics under the VORTEX brand.

12. In March of 2007, we sold our Wild Birds Unlimited franchise store to focus on the Eagle Optics and Vortex Optics companies.

13. Over the past 25 years, since its inception in the back of our Wild Birds Unlimited franchise store, the Eagle Optics company and the EAGLE OPTICS brand for optics has grown into a multi-million dollar company and well known optics brand. We continue to invest in, and grow, our Eagle Optics company and our EAGLE OPTICS branded optics products.

Eagle Optics' Trademarks and the EAGLE OPTICS Brand

14. Since the company was founded, Eagle Optics has continuously used the term EAGLE in its trademarks for its optics products. Sheltered Wings (d/b/a Eagle Optics) is the owner of the following United States trademark registrations for its trademarks including the term EAGLE:

Mark/Reg. No.	Application and Registration Dates	Goods and Services
GOLDEN EAGLE Reg. No. 3,787,739	App: Dec. 8, 2006 Reg: May 11, 2010	Class 9: Binoculars
EAGLE OPTICS Reg. No. 2,886,199	App: Oct. 5, 2000 Reg: Sep. 21, 2004	Class 9: Binoculars, spotting scopes, and telescopes, all for use in bird watching, and storage cases therefore

Mark/Reg. No.	Application and Registration Dates	Goods and Services
Reg. No. 3,192,083	App: Aug. 24, 2005 Reg: Jan. 2, 2007	Class 9: Binoculars, spotting scopes, telescopes, and storage cases therefore, all for use in birdwatching Class 35: Retail store, mail order and online retail store services featuring binoculars, spotting scopes, telescopes, and storage cases therefore, all for use in birdwatching

15. Eagle Optics has been using the mark EAGLE OPTICS for retail services in the optics field since at least as early as 1987, and has been using the logo in trademark Registration Number 3,192,083 since 1989.

16. Since 1989, Eagle Optics has published catalogs containing the products it sells. Generally speaking, our catalogs are published yearly. We distribute our catalogs nationally, upon request. Some examples of our catalogs are attached. **Exhibits 1-5** are catalogs from 1992-1996, and **Exhibits 6 through 11** are catalogs from 2006-2011.

17. Eagle Optics has been selling EAGLE OPTICS branded binoculars and spotting scopes continuously since at least as early as 1996. The catalogs referred to above and the product offerings on our website at www.eagleoptics.com, (*see, e.g.*, **Exhibit 12,** showing the current line of EAGLE OPTICS binoculars), demonstrate representative uses of the EAGLE OPTICS marks on such products.

18. The GOLDEN EAGLE binoculars were introduced in the line of EAGLE OPTICS branded binoculars in 2010, and have been sold continuously since then.

<u>The 2003 Consent Agreement Between Eagle Optics and Nikon</u>

19. One of our first trademark applications was an application Serial Number

78/029,311 to register the mark EAGLE OPTICS, which was filed on October 5, 2000.

20. During the prosecution of our trademark application for the mark EAGLE OPTICS, which ultimately issued as Registration Number 2,886,199, registration of our mark was refused over Trademark Registration Number 2,084,361 for EAGLEVIEW for binoculars, owned by Nikon Corporation.

21. Nikon's application for registration of EAGLEVIEW was an intent-to-use application filed on November 28, 1994; its registration issued on July 29, 1997.

22. On about November 1, 2002, Eagle Optics, through our prior trademark counsel, filed a Petition for Cancellation of Nikon's '199 Registration for EAGLEVIEW on the basis that our use of EAGLE OPTICS was prior to Nikon's use of EAGLEVIEW. A true and correct copy of the Petition filed in Cancellation No. 92041239 is attached as **Exhibit 13**.

23. In response to our Petition, Nikon's counsel informed us that we had filed our Petition for Cancellation after the five-year statute of limitations for seeking cancellation of a similar mark, but agreed that it would consent to our registration of EAGLE OPTICS if we paid for Nikon's reasonable costs and expenses in connection with the matter.

24. At the time, this seemed like a reasonable resolution of the matter. By the end of 2002, Nikon's EAGLEVIEW mark and our EAGLE OPTICS mark had been co-existing in the market place for at least six years. Nikon's first use of the term was on November 30, 1996, as identified in the USPTO records. Eagle Optics had been an authorized dealer of Nikon products since about 1988, and by the end of 2002, had been an authorized dealer for almost 15 years.

25. As far as I am aware, Nikon has always used its EAGLEVIEW mark as part of a model name for a binocular, namely the Nikon "EAGLEVIEW ZOOM." Attached as **Exhibit 14** is a true and correct copy of a webpage printed from Nikon's website on August 22, 2012,

showing Nikon's use of EAGLEVIEW ZOOM in connection with a binocular.

26. Ultimately, we entered into a consent agreement with Nikon Corporation, which was signed in 2003. Attached as **Exhibit 15** is a true and correct copy of this agreement.

27. Now, 10 years later, Eagle Optics is still an authorized dealer of Nikon products. And I am still not aware of any confusion occurring as a result of Nikon's use of EAGLEVIEW ZOOM, and our use of EAGLE OPTICS.

The Notoriety of Eagle Optics and the EAGLE OPTICS Brand

28. The Eagle Optics company started small, but has grown immensely, and is now is a very significant, and well-known company and brand in the optics industry. Eagle Optics serves a broad range of customers, but its target customers are outdoor enthusiasts, including, but not limited to, birdwatchers and hunters.

29. Eagle Optics sells its EAGLE OPTICS branded optics products through: (1) the Eagle Optics retail store in Middleton, Wisconsin; (2) the EAGLE OPTICS website at www.eagleoptics.com; (3) the Wild Birds Unlimited franchise system; as well as (4) many other retailers, both Internet retailers and physical stores.

30. By about the year 2000, EAGLE OPTICS products had become the primary in-store optics brand for the Wild Birds Unlimited franchise system. Currently, Wild Birds Unlimited has approximately 220 franchise stores that sell EAGLE OPTICS branded products. In many cases, the optics carried by Wild Birds Unlimited stores are exclusively EAGLE OPTICS products.

31. Starting about ten years ago, Eagle Optics branded products have also been sold by additional independent retailers including: B&H Photo, Optics Planet, Binoculars.com, Gold Crest Distribution, Aveoptica Mexico, Eagle Optics Canada, Birdwatching.com,

Optics4Birding.com, and Online Nature Mall.

32. Because of Eagle Optics' success, the company has been the subject of numerous articles in trade publications, both in feature articles and in favorable product reviews of products by industry leaders.

33. Our EAGLE OPTICS company and brand was featured in an article in the February 2005 issue of Birding Business, (attached as **Exhibit 16**), as well as in a feature article published in the Wisconsin State Journal in October 2007, (attached as **Exhibit 17**).

34. EAGLE OPTICS products are also regularly included among other well-known optics brands in third-party product reviews. For example, in 2007 and again in 2012, Bird Watchers Digest, the most prominent publication in the field of bird watching, conducted a comprehensive review of midpriced binoculars from the major optics companies. A copy of the 2007 review is attached as **Exhibit 18,** and a copy of the 2012 review is attached as **Exhibit 19.** The EAGLE OPTICS RANGER binocular scored near the top of both review, among industry leaders such as Leica, Pentax, Leupold, and Eagle Optics' sister company, Vortex Optics. An EAGLE OPTICS binocular was also "singled out" for an individual review both times.

35. The Cornell Lab of Ornithology, a nonprofit organization and unit of Cornell University, has also published positive reviews of EAGLE OPTICS binoculars. For example, EAGLE OPTICS products received favorable reviews in the Winter 2005 issue of their Living Bird publication (**Exhibit 20**), which is their most recent comprehensive binocular review, as well as a 1999 review from the Cornell Lab of Ornithology (**Exhibit 21**). The EAGLE OPTICS Ranger also appeared in the January/February 2007 issue of WildBird (**Exhibit 22**).

36. We have also successfully enforced our EAGLE OPTICS trademarks against infringing third parties:

- In the fall of 2004, through counsel, we contacted Bass Pro who was selling a binocular called the EAGLE EYE under its house brand REDHEAD. After our contact, Bass Pro stopped selling these binoculars.

- On April 25, 2005, through counsel, we sent a cease and desist letter to Coin Crafters and Engravers of Pagosa Springs, CO that registered the domain name www.eagleopticsusa.com to promote the sale of various goods and services. **Exhibit 23** is a copy of this letter. Coin Crafters and Engravers subsequently stopped using the domain name, and Eagle Optics now owns it.

- On December 5, 2006, through counsel, we sent a cease and desist letter to SafeTGard Sport Optics of Lakewood, CO (now Swift Optics), that introduced a line of binoculars under the EAGLE SERIES mark. **Exhibit 24** is a copy of the letter, and **Exhibit 25** is a copy of the advertisement published in December2006 (from a January/February 2007 issue of WildBird magazine) showing Swift's use of EAGLE SERIES. In response, Swift changed the product line to the "SWIFT EAGLET SERIES."

- On September 5, 2008, through counsel, we sent a cease and desist letter to Mr. Istvan Kovary of Glendale, Arizona, formerly doing business as Eagle Eye Optics Company. The letter, which is attached at **Exhibit 26,** objected to: (i) his use of the mark EAGLE EYE OPTICS COMPANY for binoculars and riflescopes; and (ii) his application to register EAGLE EYE OPTICS COMPANY for binoculars, riflescopes, and spotting scopes (U.S. serial number 77/248,564). Shortly after receiving this letter, Mr. Kovary called our attorneys and agreed to abandon his pending application, which was also refused by the USPTO in view of our EAGLE OPTICS mark. Mr. Kovary also agreed to dispose of all remaining inventory within 6 months.

- On May 26, 2009, through counsel, we sent a cease and desist letter to Mike and Kathy Webb of Alexandria, Indiana, who were using the term EAGLE VISION for binocular retailing services from a website at www.eaglevisionbinoculars.com. **Exhibit 27** is a copy of the letter. Mike and Kathy Webb replied by email on June 17, 2009 that they would be shutting down their website by July 1, 2009. See **Exhibit 28.** The website is no longer there.

- In 2010, we learned that QualityRifleScopes.com appeared to be selling Mr. Kovary's "IJK/EAGLE EYE OPTICS" riflescopes. Through counsel, we sent a cease and desist letter to Quality Rifle Scopes, which letter is attached as **Exhibit 29**. Although no written response to this letter was received, it appears that the infringer has stopped using EAGLE EYE OPTICS in connection with its scopes.

I declare under the penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

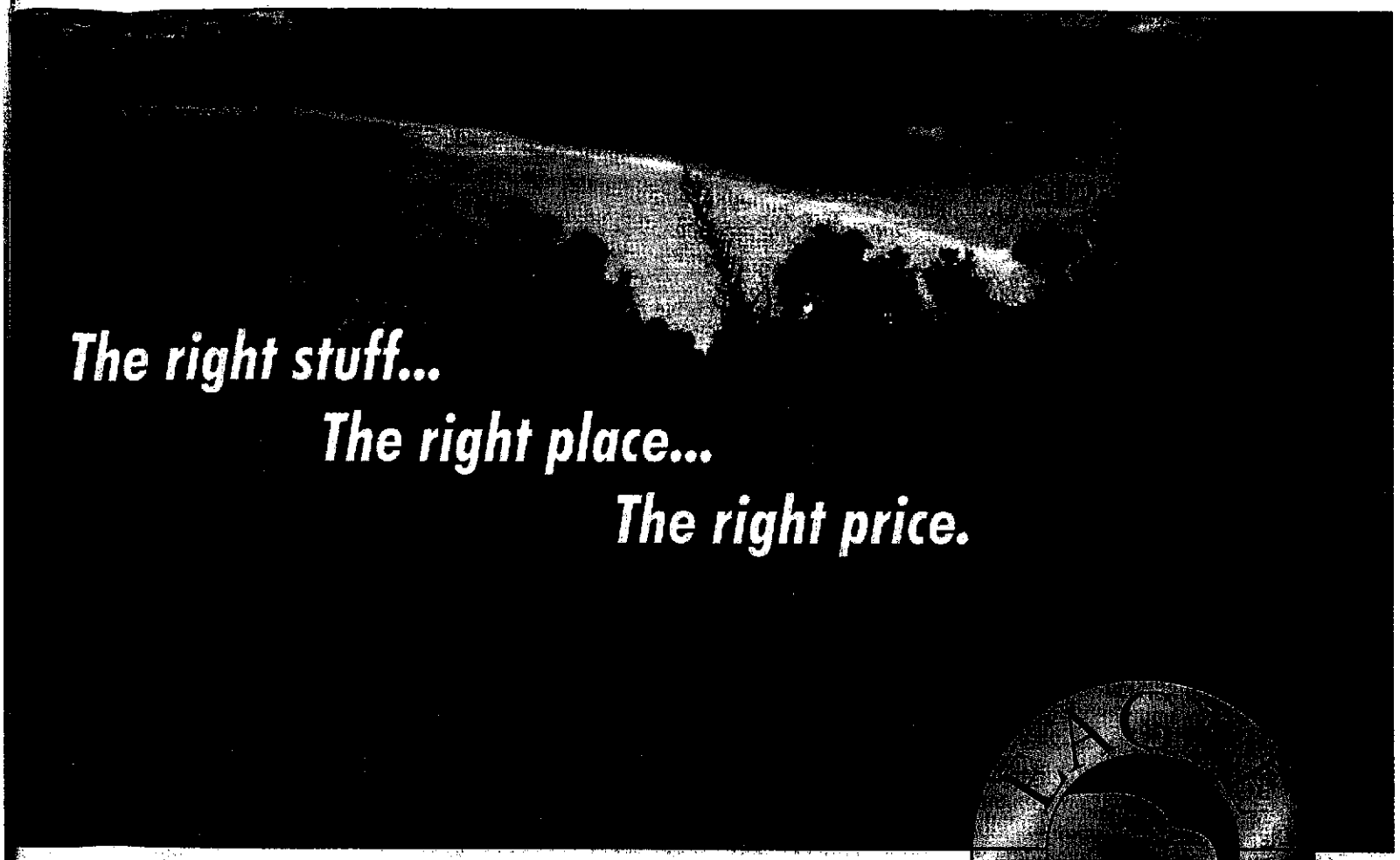
Executed on August 23rd, 2012, in Middleton, Wisconsin.

Daniel C. Hamilton

8304309

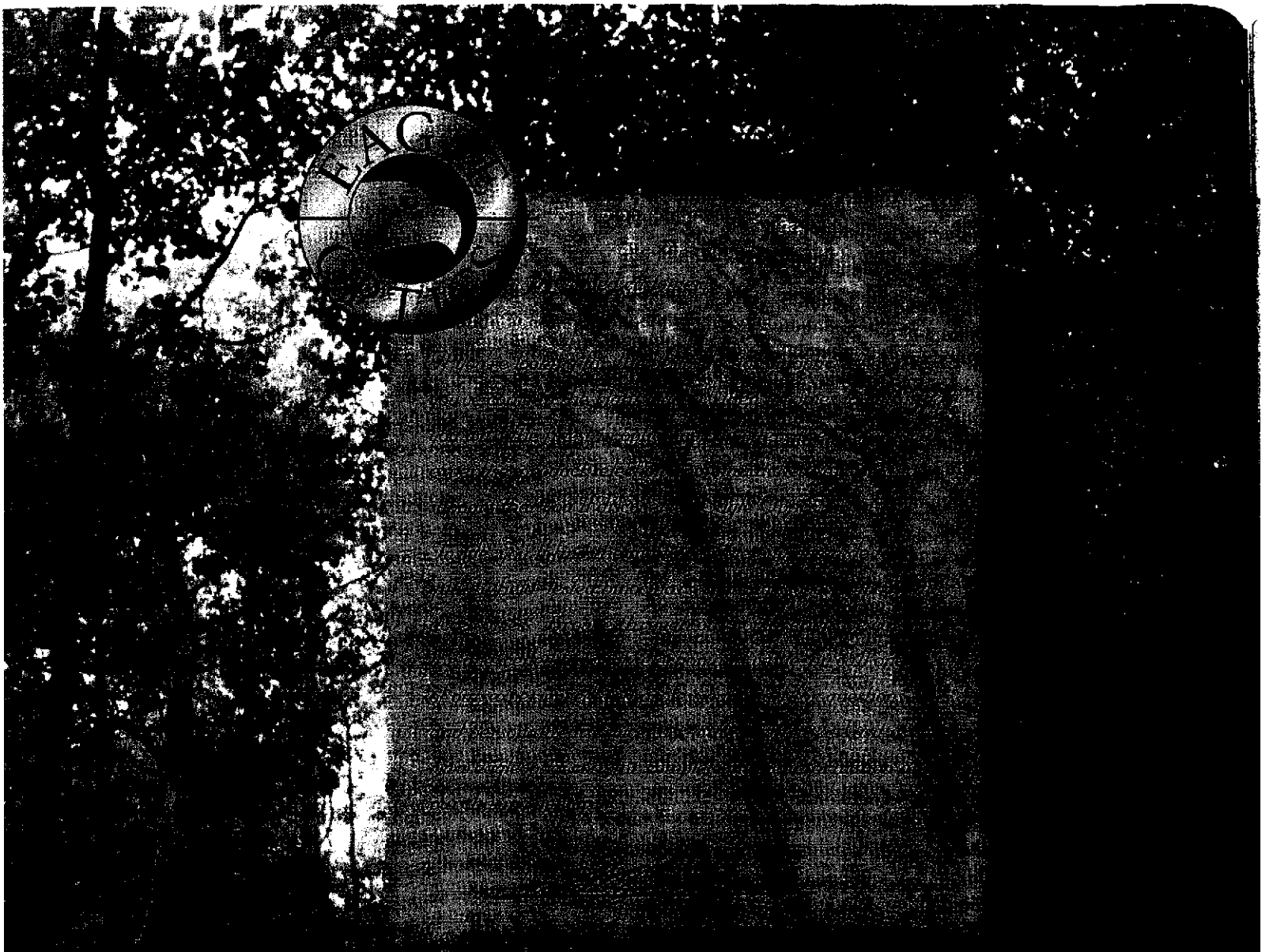
EXHIBIT 7
TO DECLARATION OF
DANIEL C. HAMILTON

EAGLE OPTICS®
OPTIC OUTFITTERS™



Vol 20 - No. 1

Ben's Copy



www.eagleoptics.com

Customer Service · Credit Card Orders · Secure Web Shopping 24/7

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At Eagle Optics we know details matter to you ... especially when you are investing in fine optical instruments. That's why you can call our professional staff whenever you need to compare, contrast, or clarify information — no matter how simple or how specialized the question! Email your questions or comments to **information@eagleoptics.com.**

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You can expect Eagle Optics to ship all in-stock orders via UPS Ground Shipping within one business day of receipt. Please allow 20 working days for processing of check orders.

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Your absolute satisfaction matters to us! If you are not satisfied with your purchase, for whatever reason, simply return the product in new condition with all original packaging to Eagle Optics within 30 days of receipt for an exchange or full refund (less shipping costs).

Founders Dan and Margie Hamilton

Questions? Call Eagle Optics at 1·800·289·1132.

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ABOUT OPTICS

An Eagle Eye View of Optics

You want power — power in details you just can't see without optics. And, after nearly 400 years of refining lens and prism systems, you do get power ... and more. You also get choices in size and style, cost and quality. As you consider which optics you need, note how the overall optical quality (generally indicated by price) greatly affects image details. Our advice is that you invest in the best optical quality you can afford.

What about the size of binoculars?

Binoculars range from small "pocket" binoculars to the largest astronomical binoculars that need to be mounted on a tripod. In between these extremes are many hand-held models that work well for a wide variety of nature observation and outdoor activities. Your ability to handle the size and weight of any particular pair of binoculars directly affects how well you see details — so choose binoculars you can handle in typical viewing situations.

In the past, birders and other wildlife observers often chose between the relatively bright views and steady handling of the 7x35 and 8x40 configurations. Today, however, there are many 10x42 (and10x50) binoculars showing up in the hands of birdwatchers. Why this trend? Recent developments in stronger, lighter materials, coupled with more streamline designs, make these larger binoculars easier to handle — leading to better viewing because your subject isn't "bouncing around".

Whether the binoculars are slim or bulky, heavy or lightweight, depends on several factors including the focal length and prism design. The Porro prism design is usually larger than a roof prism of the same configuration ... but not necessarily heavier. The use of polycarbonate or foam materials, and die cast aluminum has done much to reduce the weight of binoculars without sacrificing ruggedness. Rubber armoring may add weight, but proves its value in protecting optics ... and providing you with a more comfortable, secure grip.

Which size binoculars are best for you?

Large Size
Long-range observation, day or night.

Full Size
Birding, nature study, general use.

Mid Size
General day use, travel.

Compact Size
Hiking, travel, backpacking.

What about spotting scope size?

If you need magnifications of 15x or higher, consider a spotting scope. This is the ideal tool for watching wildlife, allowing you to overcome the barriers of habitat and distance to get a good look at animals in their natural habitat ... while keeping a safe distance!

Think about how you'll use your scope, and how much you'll be carrying it (and the tripod it requires) around. Spotting scopes for birding, general nature study, and hunting vary in size from 50mm to 90mm. The diameter of the objective lens (along with the optical design of the scope) directly affects the size, weight, and even the price. The advantage of a larger objective lens is in how more light entering the optical system allows for greater details when viewing wildlife, along with better images when photographing and digiscoping.

In the real world of overcast days, air disturbances, and shadowy habitats, 20x to 45x eyepieces are quite adequate for most scopes up to 66mm, though the 20-60x zoom eyepieces are very popular. Larger objective lenses of 70mm to 100mm can resolve even more clearly at higher magnifications.

Angled eyepiece position
You'll find the angled style is ideal for viewing at an upward angle — like watching nesting herons high in the treetops. In addition, this offset eyepiece makes it easier to share your scope with friends of different heights.

Straight eyepiece position
The straight eyepiece position offers a more natural line of sight that is helpful when following wildlife, and also works well when viewing downward from an elevated platform, such as a deck or patio.

General Guidelines on Size and Magnification

As magnification increases

Increases ↑: Image shake, Atmospheric haze, Heat waves

Decreases ↓: Brightness, Depth of field, Field of view

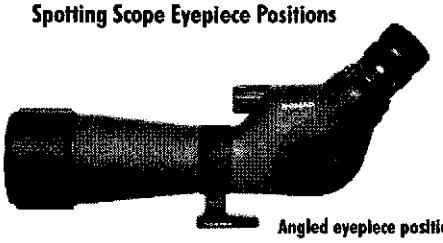
As objective lens size increases

Increases ↑: Brightness, Resolution, Size and Weight

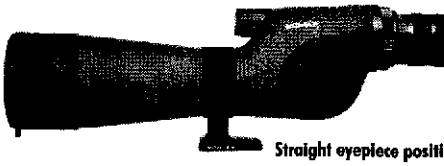
Hobby Guide to Size of Binoculars and Spotting Scopes

- **Astronomy:** objective lens of 50mm+
- **Birding:** 6x to 10x, wide field
  - Low light: Exit pupils of 5mm+
  - Close-up: 6x to 8x, close focus
  - Shorebirds: 10x or more
  - Birds of Prey: 10x or more
  - Pelagic: waterproof, rubber armored
- **Boating:** waterproof, exit pupils of 5mm+
- **Hiking:** compact, waterproof, armored
- **Spectator Sports:** 6x to 8x, wide field
- **Theater and Concerts** 3x to 5x
- **Watching wildlife:** waterproof, armored, durable
  - Short range: 6x to 8x
  - Long range: 9x to 10x or more
  - Open terrain: 9x to 10x or more

Spotting Scope Eyepiece Positions

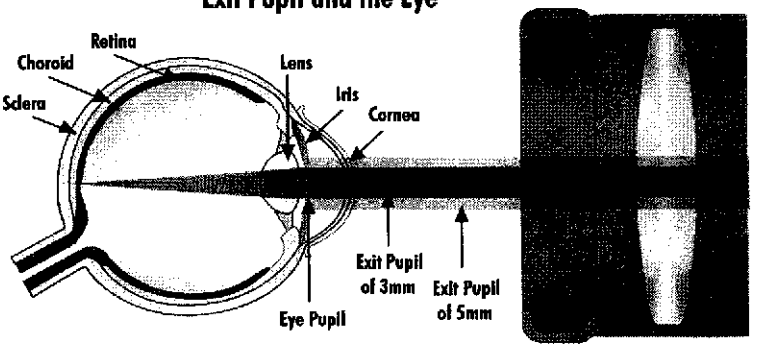


Angled eyepiece position



Straight eyepiece position

Exit Pupil and the Eye



During bright daylight your eye pupil may dilate to 3mm, and the extra light of a 5mm exit pupil simply falls on the iris. Though this "wasted" light indicates that you could get by with more compact binoculars, you will want exit pupils of this size (or larger) when you watch wildlife at twilight, in deep shadows, or view from boats and other moving vehicles.

$$\text{Exit Pupil} = \frac{\text{Aperture}}{\text{Magnification}}$$

Daylight viewing
Exit pupil = 2 to 3mm

Twilight viewing
Exit pupil = 5mm or more

Light matters and the eye

Light follows a path through an optical system to the retina at the back of your eye (see **Exit Pupil and the Eye** diagram). In general, you will see more details if the "pupil" of your binoculars or spotting scope (**exit pupil**) is at least as large as the actual pupil of your eyes.

Binoculars for low light conditions

When less light is available, the eye pupil will dilate to 5mm or more (iris becomes less elastic, contracting and dilating to a lesser degree, toward the middle years). If you enjoy watching wildlife when it is most active, choose full size binoculars with an exit pupil of at least 5mm for best performance in the low light of dawn and dusk, on overcast days, or deep shadows.

Binoculars for bright light conditions

On sunny days, or in well-lit buildings, your eye pupil may contract to as little as 2 or 3mm. For these viewing situations, you can easily get by with more compact binoculars, but think twice about purchasing compacts as your main binoculars for watching wildlife at twilight .. image quality may not be what you need.

8x25 Binoculars
Exit Pupil = 3.125mm

7x50 Binoculars
Exit Pupil = 7.14mm

The exit pupil is seen as the white circle in the center of these eyepiece.

Parameters to Compare among Binoculars and Spotting Scopes

Birders and naturalists are always looking for better colors and sharper details to identify subtle field marks and characteristics of wildlife. An investment in the best optics you can afford is a big step toward making more exciting discoveries in the world of nature. Once you determine how much you are able to invest, compare the parameters listed in the catalog as you choose optics to best suit your specific needs.

	Binocular Model
Eye Relief	19.5mm
Close Focus	5'
Field of View (1000 Yards)	336'
Height	5.75"
Width	5.1"
Weight	23.6oz

	Scope Model
Eyepiece	12-40x
Eye Relief	30mm
Field of View (1000 Yards)	168-52'
Close Focus	36'
Weight	37oz
Length	12.4"

Effective eye relief for more comfortable viewing

Seeing the full field of view with eyeglasses on used to be a problem because eye relief was simply not long enough. Today, however, you'll find many binoculars and spotting scope eyepieces offer more than enough eye relief for every user (15mm is considered ample eye relief for most users).

The current state of eyecup design

Even if you don't ever wear eyeglasses or sunglasses, you'll appreciate the comfort of today's rubber eyecups — gone are the days of resting your eyebrow against a hard metal or plastic eye ring. Even the softer "fold-down" rubber eyecups have been modified for comfort and convenience that was only dreamed of a few years ago. In this catalog you'll find a variety of "pop-up", "twist-up", "twist-and-lock", and "multi-stop" eyecups that allow you to choose the eye relief that is most pleasing to you — featuring easy access to long eye relief.

Close focus for detailed nature study

If you hope to study the intricate details of butterflies, insects, plants, and geological formations, look for optics that focus more closely. In the past, most binoculars only focused to 18-20 feet. Today, many binoculars focus as close as 8-10 feet ... and some let you enjoy details from little more than an arm's length away!

Wide field of view for following wildlife on the move

The circular view you see through binoculars and spotting scopes can be measured in feet (linear field at 1000 yards) or degrees of arc (angular field) as shown to the right. When you need extra power to keep an eye on a distant rookery, skittish gulls, or terns at the beach, you'll magnify your enjoyment with wider than normal fields. A wider field gives you extra time to react to birds that move around quickly and unpredictably — helping you stay with the action!

The field of view generally decreases as magnification increases, and is largely controlled by the optical design (rather than the size of the objective lens). You'll notice that the fields of view through spotting scopes are significantly smaller than through binoculars. Most scopes have fields of view between 53 and 157 feet — usually quite adequate for medium to long-range viewing. You'll want to compare how each eyepiece affects the field of view.

Optical Glass and Coating Quality

Optics are all about delivering bright, clearly magnified images. However, any lens or prism reflects away or absorbs some of the light as it passes through the optical system. The result? Not all of the light entering the objective lens actually gets transmitted through to your eye. So, in addition to looking at the objective lens size and exit pupil, consider the actual quality of the optical system. Finer grades of optical glass with anti-reflection coatings dramatically improve how well you'll see by increasing light transmission through the optical system.

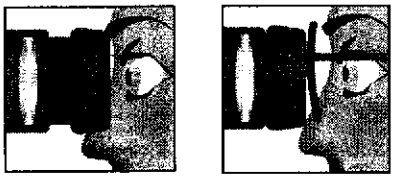
High density glass

Finer grades of optical glass, such as BaK-4 (barium crown) glass may cost more, but are worth the price because they reduce the internal scatter of light better than less expensive BK-7 (boro-silicate) glass. BaK-4 glass produces sharp images, and is commonly used in high quality Porro prism binoculars. ED (Extra-Low Dispersion) and HD (High Density) glass deliver the ultimate in high resolution with the most vivid colors.

Anti-reflection coatings

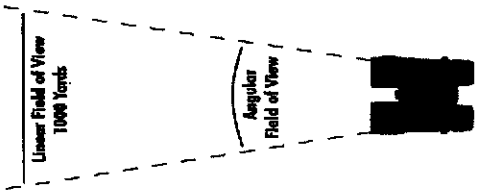
By applying multiple layers of high quality anti-reflection coatings to each air-to-glass surface, more light makes it to your eye. The result? Brighter, better defined views for you. (More about finer optics on page 27).

Retractable Eyecups



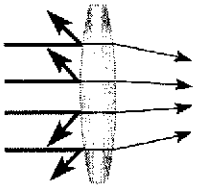
Extended eyecups — Retracted eyecups

Making room for eyeglasses begins with having enough distance between the ocular lens and where the image comes into focus. Retractable eyecups allow eyeglass wearers to take advantage of longer eye relief, and see the full field of view.



Wide-angle eyepieces deliver wider fields of view, and are popular with birders for following birds in flight.

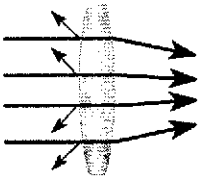
Anti-reflection Coatings



If optics are uncoated, less light is transmitted through the optical system.

Uncoated Optics

Coated optical glass allows a greater amount of light to pass through the optical system — resulting in brighter views. Finer optics use a greater number of higher quality coatings to increase the amount of light transmitted.



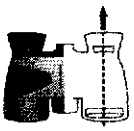
Coated Optics

Optical Design

Binoculars and spotting scopes use one of several image-erecting prism systems to present correctly-oriented images.

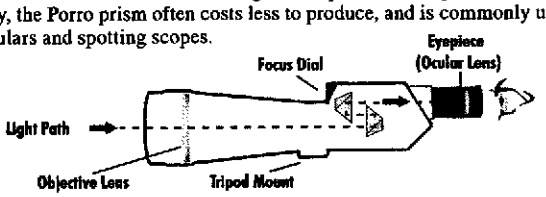
Galilean Design

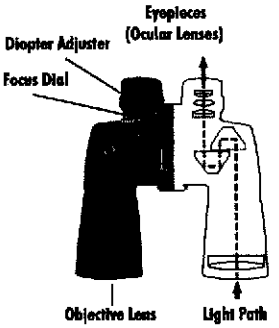
Galileo gets the credit for combining a concave lens in the eyepiece and a convex lens as the objective. First used about 400 years ago, this system is still used for low-powered theater glasses.



Porro Prism Design

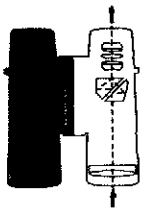
Professor Ignazio Porro invented the modern Porro prism in the mid-1800s. Traditionally large, they are now smaller and lighter. Porro prisms have widely spaced lenses to deliver wider fields of view, a greater depth of field, and an enhanced 3-dimensional image. Compared to roof prism of the same quality, the Porro prism often costs less to produce, and is commonly used in binoculars and spotting scopes.





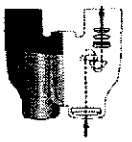
Roof Prism Design

Researchers at Carl Zeiss in Jena, Germany invented the roof prism in the 19th Century. Increasingly popular, the streamlined design is comfortable to hold for long observation periods. The complex design also features an internal focus system that is less susceptible to internal fogging and potential entry of dust or moisture. Precise tolerances required during manufacturing make top quality roof prism binoculars significantly more expensive than Porro prism counterparts. The roof prism design is also used in spotting scopes.



Reverse Porro Prism Design

By inverting the prism and lens arrangement, the reliable quality of the Porro prism comes in a much smaller, compact, easy to carry body.



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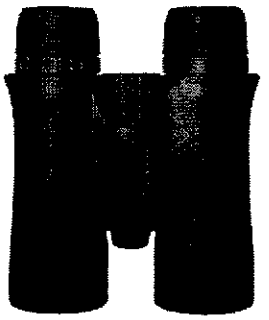
Audubon Binoculars

The officially licensed binoculars by Vortex for the National Audubon Society. Limited lifetime warranty on all binoculars.

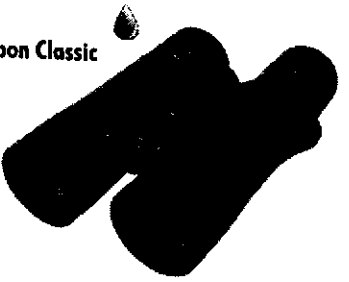
AUDUBON BINOCULARS

1. Audubon Equinox HP — Impressive Quality
Audubon's top-of-the-line binoculars put bluebirds, butterflies, deer and even flowers in a whole new light. Plus, with lightweight construction and ergonomic contours, easy handling over long hours is a given! It's clear that each Audubon HP is built to deliver amazing images — even with the challenges of viewing in rain, dust, temperature extremes and other natural hazards.

Audubon Equinox HP Features:
Phase-corrected, fully multi-coated lenses, Extreme Performance (XP) coatings, deluxe multi-position eyecups, textured rubber armor, waterproof, nitrogen purged, custom carry case, rainguard, tethered objective lens covers, neoprene neck strap.



1. Audubon Equinox HP

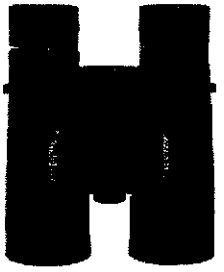


2. Audubon Classic Equinox

2. Audubon Classic Equinox
Find out why the Classis Equinox binoculars have stayed popular among birdwatchers, campers, travelers, and sports fans. The simple truth is that the 8x42 Classic is a great value for all-around observation and the 10x42 Classic delivers spectacular views of far-off landscapes that novice users will truly appreciate.

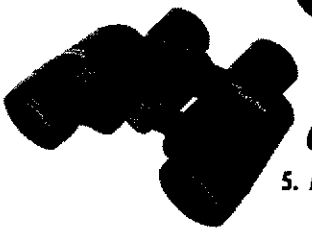
Audubon Classic Equinox Features:
Phase-corrected, fully multi-coated lenses, Extreme Performance (XP) coatings, twist-and-lock eyecups, textured rubber armor, waterproof, fogproof with nitrogen purging, protective carry case, rainguard, wide neck strap.

3. Audubon Raptor



4A. 42mm Vector

4B. 25mm Vector



5. Audubon Intrepid

6. Compact

3. Audubon Raptor — Wide field advantage
When you need sharp details and true-to-life colors across the field, rely on the proven quality of the Raptor. With one of the widest fields available, high index Porro prisms and precisely ground lenses, the Raptors deliver wonderful 3-D images of wildlife and landscapes from dawn to dusk. Rain or shine, these binoculars will leave you smiling with performance that won't fail!

Audubon Raptor Features:
Ergonomic center focus wheel, fully multi-coated lenses, high index prisms, twist-and-lock eyecups, waterproof, fog proof with nitrogen purging, rubber armor, rainguard, protective carry case, objective lens cap, wide neck strap.

4A-B. Audubon Vector — For lovers of adventure
Enjoy the rewards of lightweight, durable and portable binoculars — all for a remarkably low price! Vector binoculars are fully waterproof and fogproof. Lightweight? Yes! Even the full size Vectors are made for carefree adventures in the outdoors!

The dual folding hinges of the 25mm Vector collapse for neat storage in a pack or pocket — perfect for a camping trip, kayak expedition, or just a quick walk through the park ... no matter how nasty the weather forecast.

Audubon Vector Features:
Fully multi-coated lenses, ergonomic center focus wheel, rubber armor, waterproof, nitrogen purged, rainguard, protective carry case and neck strap. *Compact Vectors feature multi-coatings and dual hinge construction.

5. Audubon Intrepid — "Great binocular viewing ... and a great low price"
Take the field and leave the bulk behind. The Intrepid promises wide-field, pleasing 3-D qualities for crisp views of whatever passes by your window. And these binos are definitely up to off-roading in the wet, dusty, humid conditions nature throws your way. At such a reasonable price, you'll wonder why you hadn't gone the way of the Intrepid before!

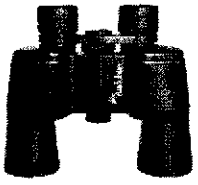
Audubon Intrepid Features:
Fully multi-coated lenses, BaK-4 prisms, large center focus, rubber armor, waterproof, nitrogen purged, protective carry case, wide neck strap.

6. Audubon Compact — So bright and light
Keep an Audubon Compact close by and add a new dimension to your life. Whether you're watching birds at your feeder or traveling to our national parks, you'll reap greater rewards with the bright views of these economical binoculars — popular for good reason.

Audubon Compact Features:
Quality multi-coated lenses, ergonomic center focus, reverse Porro prism, twist-and-lock eyecups, protective carry case, neck strap.

7. Audubon Family — A great choice for real family outings!
This is one of the very lightest full size binoculars available — easy for any age to tote around. Now anyone in the family can catch the action at the park, game, beach, zoo ... anywhere! Even your youngest will be begging to "let me see" the wildlife in your world through the bright, crisp views of the Audubon Family binocular.

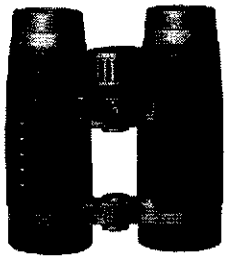
Audubon Family Features:
Multi-coated lenses, smooth center focus wheel, fiberglass housing, protective carry case, wide comfort neck strap.



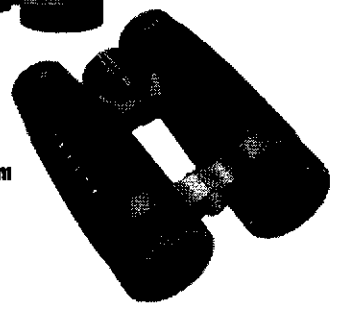
	Equinox HP		Classic Equinox		Raptor		Vector				Intrepid		Compact		Family
	8x42	10x42	8x42	10x42	8x42	10x42	8x25	10x25	8x42	10x42	8x40	10x40	8x25	10x25	8x40
Eye Relief	19.5mm	16mm	19.5mm	16mm	17mm	16mm	14mm	8mm	19mm	16mm	19mm	19mm	18mm	16mm	12mm
Close Focus	5'	5'	5'	5'	12'	14'	4'	8'	4'	5'	10'	10'	8.5'	4.5'	10'
Field of View (1000 Yards)	336'	315'	336'	315'	430'	346'	330'	299'	315'	315'	315'	270'	330'	262'	330'
Height	5.75"	5.75"	5.75"	5.75"	5.5"	5.5"	2.5"	2.5"	5.0"	5.0"	5.4"	5.4"	3.8"	3.8"	6.1"
Width	5.1"	5.1"	5.1"	5.1"	7.5"	7.5"	4.1"	4.1"	5.0"	5.0"	7.1"	7.1"	4.3"	4.3"	7.0"
Weight	23.6 oz	23.4 oz	23.6 oz	23.4 oz	29 oz	29 oz	8.8 oz	8.8 oz	22.2 oz	21.8 oz	22 oz	22 oz	10.8 oz	10.6 oz	17.8 oz

Bushnell Binoculars

Experience dates back to 1947, and continues with contemporary, exceptionally reliable, and realistically priced binoculars. Bushnell lifetime warranty.

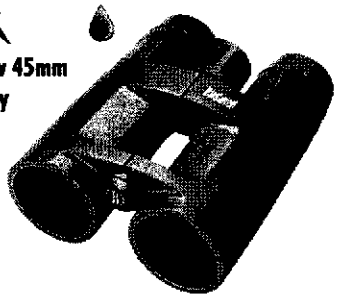


1A. 43mm Elite



1B. 50mm Elite

2A. New Elite e²



3. New 45mm Infinity

Clearer, brighter views — even in the rain **RAINGUARD® Protection**

If you've ever had to watch wildlife through binoculars clouded by the effects of condensation, you'll appreciate how Bushnell's permanent, patented protection clears up your view. Rainguard is a lens coating that prevents fogging caused by condensation from rain, sleet, snow, or even your own breath. Water drops bead up into much smaller droplets than with standard coatings. These smaller droplets scatter less light, so your view is as bright as the sun.

1A-B. Elite Binocular Series — The name says it all!
You only need to look at the solid construction, amazing clarity, brightness and resolution of the Elite binocular to experience the benefits of Bushnell's 50 years in designing binoculars. Relaxed, comfortable viewing is also a dream come true with the well-balanced Elite binoculars. Now you can look forward to longer days in the field with these streamlined, ultra-light binoculars.

Venture out into any terrain and leave behind all concerns about dust, fog, or water ruining your views. You'll spend less time thinking about your binos and more time thinking about the birds and other wildlife before you! The Elites really live up to their name in every way and make excellent choices for general birding, even long-distance wildlife observation! In addition to the steady 8x43 and 10x43 Elites, Bushnell provides outstanding viewing power with the light-grasping 10x50 and 12.5x50 Elites for extremely fine viewing from sunup to sundown!

Bushnell Elite Features:
PC-3 phase coating, fully multi-coated with XTR anti-reflection coatings, waterproof, Rainguard® water-repellent lens coating, twist-up eyecups, central locking diopter dial, rubber armor, magnesium chassis, scratch-resistant powder coat, tripod adaptable, ocular and objective lens covers, custom-molded case, deluxe quick-connect secure strap.

2A-B. New Elite e² Binoculars — Tough, lightweight and bright!
Bushnell lifts the bar once more and puts super-premium clarity and brightness within reach of the most avid outdoor enthusiast. Rugged, yet lightweight, the Elite e2 is totally prepared to face any weather or terrain you find yourself in! Easy handling is another trait of the Elite e2 binoculars — setting you up for dependable studies from a distance and as close as eight feet.

Bushnell Elite e² Features:
Aspherical lens system, Advanced Fusion Hybrid Lens System, XTR technology, fully multi-coated, PC-3 phase coating, BaK-4 roof prisms, waterproof, fogproof, Rainguard® water-repellent lens coating, twist-up eyecups, magnesium chassis, rubber armored, custom-molded carry case, quick-connect secure neck strap.

3A-B. New Infinity Binoculars — Absolutely waterproof and fogproof!
Can one pair of binoculars do it all? With Bushnell's new Infinity binoculars, the possibilites really are infinite. For outdoor sports, birding, camping ... Bushnell ups the power and size for greater versatility in a full size binocular. The lightweight open-bridge styling of the Infinity is a good example of the open-minded thinking that Bushnell put into this rugged binocular.

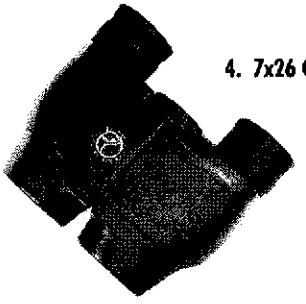
Is the Infinity tough? Absolutely! Bottom line? When you choose an Infinity binocular, you'll be set up for steady handling that lets you focus on fine details when they count — whether those details be feathers, fur, or the gaping smile of a snapper on your trail.

Bushnell Infinity Features:
PC-3 phase coating with Super High Reflection (SHR) coating, fully multi-coated optics, BaK-4 roof prisms, waterproof, fogproof, rubber armored, carry strap, neck strap.

	Elite e²		Elite Series				Infinity		Custom
	8x42	10x42	8x43	10x43	10x50	12.5x50	8.5x45	10.5x45	7x26
Eye Relief	19.5mm	15.5mm	19.5mm	17mm	17mm	17mm	19.5mm	15.5mm	16mm
Close Focus	8'	8'	8'	8'	10'	10'	6.7'	6.7'	7'
Field of View (1000 Yards)	330'	314'	332'	314'	288'	244'	314'	299'	363'
Height	TBD	TBD	5.25"	5.25"	6.75"	6.75"	TBD	TBD	5.25"
Width	TBD	TBD	5.25"	5.25"	5.25"	5.25"	TBD	TBD	4.4"
Weight	25.7 oz	26.1 oz	23.8 oz	28.5 oz	29.0 oz	30.0 oz	25.0 oz	25.5 oz	12 oz

4. Custom — Compact in size. Big in performance.
Tuck this compact in a pack for a day of birding at a nature preserve, or winning views at the ballpark. Is it versatile? Yes! Even butterflies bathing in the dust snap into focus at a mere seven feet. When the sun gets too bright, you simply fold back the eyecups, put on your sunglasses, and continue viewing comfortably.

Bushnell Custom Features:
Fully multi-coated, BaK-4 prisms, fold-down eyecups, eyepiece covers, soft vinyl case and neck strap.



4. 7x26 Custom

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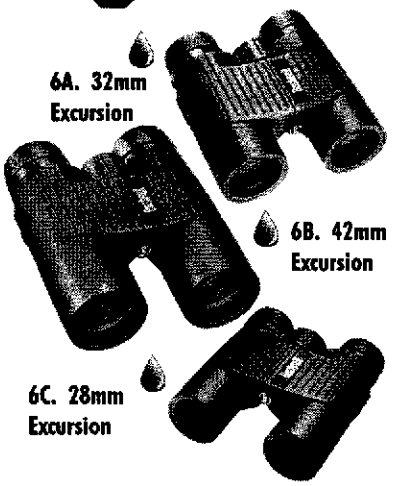
BUSHNELL

5A-C. Legend Porro Prisms

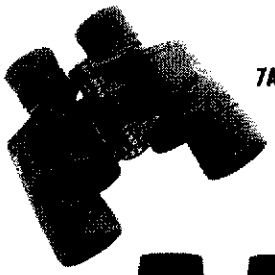
5A-C. 42mm Legend Roof Prism



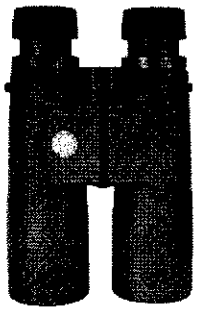
6A. 32mm Excursion

6B. 42mm Excursion

6C. 28mm Excursion



7A. Natureview Porro Prisms



7B. Natureview Roof Prisms

Legend Binocular Series

The Legend binoculars offer seasoned dependability and reliably crisp, clear colors to savor. When a snow shower won't keep you inside the warmth of your cabin, you can count on the Legends for fog-free viewing the moment you step outside. Legends will keep working in unruly conditions as long as you do — staying watertight even when you're soaked and chilled to the bone.

5A-C. Legend Porro Prisms — Power and value

For magnum-powered viewing, choose the 10x50 Legend binoculars. Birds, big game, and even the stars stand out with incredible detail from one edge of the wide viewing field to the other. Bushnell adds multi-coatings to every lens surface of all Legend full size binoculars, and uses BaK-4 Porro prisms for traditionally bright images of wildlife at any range.

Armored for use in rough habitats, you'll enjoy a firm grip on the textured body of these binoculars, finished in non-glare black that won't draw attention. Legends are built tough to withstand driving rains and heavy snowstorms, and moisture stays out if submerged because of 100% waterproof and fog proofing. At such a reasonable price, the value is clear!

Bushnell Legend Porro Prism Features:
Fully multi-coated, BaK-4 prisms, waterproof, fog proofing with nitrogen purging, Rainguard® water-repellent lens coating, twist-up eyecups (pop-up on compacts), large center focus, textured non-glare rubber armor, tripod adaptable (full sized models), case and neck strap, ocular and objective lens covers (full sized models).

5D-F. Legend Roof Prisms — Rugged and ready

Pick up the power you need for scanning far-off ridgelines and low-lying meadows for wildlife. The Legends roof prisms deliver outstanding views from as close as six feet (four feet through the 8x32) and off to the most distant horizon with crystal clear views and brilliant color. Be ready for demanding days on (and off) difficult trails with these rugged binoculars. The Legends let you move about with confidence, thanks to the robust, shock-absorbing armor. 100% waterproof and fog proof, the Legend binoculars can handle treks through marshes, splashes in mountain streams, and total drenching in downpours.

Bushnell Legend Roof Prism Features:
PC-3 phase coating, BaK-4 prisms, fully multi-coated, waterproof, nitrogen purged, O-ring sealed, Rainguard® water-repellent lens coating, twist-up eyecups, large center focus, textured non-glare rubber armor, case and neck strap, ocular and tethered objective lens covers (mid size and full size models).

6A-B. 32mm and 42mm Excursion Roof Prisms — Dynamic viewing in low light

Say you're on the cruise of a lifetime. What if your binoculars had the ability to relay the graceful shape of a humpback swimming in the misty, murky light of the small hours? You'd be ecstatic! With the high quality prisms and variety of image enhancing coatings, the full size Excursion binoculars make even the most ordinary outing more dynamic and memorable. And don't forget the value of the mid-sized 8x32 for wide field viewing throughout the day.

6C. 28mm Excursion Roof Prisms — Pockets of power

Close-up study of wildlife just got better with the Excursion 28mm and 32mm binoculars. These handy compacts bring big-time brightness and clarity your way for any daytime outing. So when you want to travel light, remember to pack the Excursions.

Bushnell Excursion Features:
PC-3 phase coating, BaK-4 prisms, fully multi-coated, waterproof, nitrogen purged, twist-up eyecups, large center focus, composite chassis, textured non-glare rubber armor, tripod adaptable, lens covers, case and neck strap.

7A-B. Natureview Birding Series

When a flutter of feathers draws your eye to the shadowy areas at dusk, look for more critical field markings with a Natureview. The 42mm lenses, fully multi-coated optics and high-density prisms clearly work together to help you identify which little brown bird is busily probing for seeds and insects on the forest floor. A large textured center focus knob makes it easy for you to make precise focal adjustments and not miss any fascinating bird behavior. Choose between classic Porro prisms and trimmer roof prisms, designed for all-day viewing comfort.

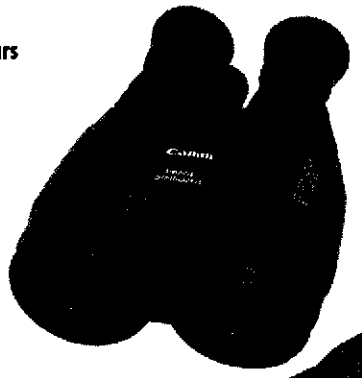
Bushnell Natureview Features:
Fully multi-coated, BaK-4 prisms, fold-down eyecups, non-slip rubber armor, tripod adaptable, case and neck strap, eyepiece and objective lens covers.

	Legend Series								Excursion Series					Natureview		
	Roof Prisms				Porro Prisms				Pockets		Mid Size	Full Size		Roof Prisms		Porro Prism
	9x25	8x32	8x42	10x42	8x26	10x26	8x42	10x50	8x28	10x28	8x32	8x42	10x42	8x42	10x42	8x42
Eye Relief	18mm	16mm	18mm	15mm	15mm	15mm	15mm	15mm	15mm	15mm	15mm	17mm	15mm	17mm	17mm	19mm
Close Focus	5.5'	4'	6'	6'	10'	10'	12'	18'	6'	6'	6'	7'	7'	15'	15'	13'
Field of View (1000 Yards)	283'	396'	330'	315'	290'	262'	430'	340'	417'	335'	426'	426'	340'	330'	315'	412'
Height	4.6"	5.1"	5.75"	5.75"	4.1"	4.1"	5.25"	7.2"	4.8"	4.8"	4.8"	5.75"	5.75"	7.0"	7.0"	5.75"
Width	2.5"	5.0"	4.9"	4.9"	4.8"	4.8"	7.1"	7.4"	4.5"	4.5"	4.5"	5.0"	5.0"	5.0"	5.0"	7.1"
Weight	15.4 oz	22.2 oz	24.5 oz	24.9 oz	14 oz	15 oz	24 oz	28 oz	15.2 oz	15.2 oz	20.5 oz	24.7 oz	26.7 oz	23.0 oz	23.0 oz	26.0 oz

Canon Binoculars

Making use of the advanced technologies used in Canon cameras, plus the amazing Image Stabilizer system. 3-Year limited warranty.

Image Stabilized Binoculars



1A. 15x50 IS

1B. 10x42 L IS

1C. 12x36 IS II

Image Stabilized Binoculars — Maximize viewing without the shake
State-of-the-art technology makes high magnification truly practical by getting rid of shaky images that would blur your view. Canon's use of their innovative Optical Image Stabilization technology, a doublet field flattener to reduce curvature of the field, and multiple layers of Canon's unique Super Spectra coatings work together to improve the overall image quality by maximizing contrast and minimizing color smear.

1A. Mid Size Image Stabilized Binoculars
Lightweight and very compact, these IS binoculars work extremely well for birding and watching wildlife, spectator sports, concerts and theatrical performances, travel, surveillance and general observation of natural and architectural landscapes.

1B-C. Full Size Image Stabilized Binoculars
Canon's 10x42 L IS, the first completely waterproof image stabilized binocular, brings long-range birding and wildlife watching to a fantastic new level. Special lens coatings prevent fogging, and the ribbed surface ensures a secure grip, making these 10x42 binoculars an excellent choice for marine activities as well. Just think of all of the possibilities!

Canon Image Stabilized Features:
Vari-Angle Prism system of vertical and horizontal sensors detects motion, Microprocessor to adjust the Vari-Angle Prism system according to the amount of binocular shake detected, two AA batteries, eyepiece covers, case and neck strap.

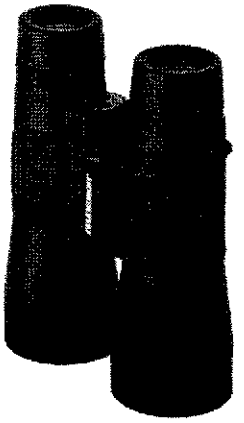
Image Stablized Binoculars	10x30	12x36	10x42	15x50	18x50
Eye Relief	14.5mm	14.5mm	16mm	15mm	15mm
Close Focus	13.8'	19.7'	8.2'	19.7'	19.7'
Field of View (1000 Yards)	314'	262'	340'	236'	194'
Height	5.9"	6.9"	6.9"	7.6"	7.6"
Width	5.0"	5.0"	5.4"	6.0"	6.0"
Weight	22.2 oz	23.3 oz	36.8 oz	41.7 oz	41.7 oz

CANON

Celestron Binoculars

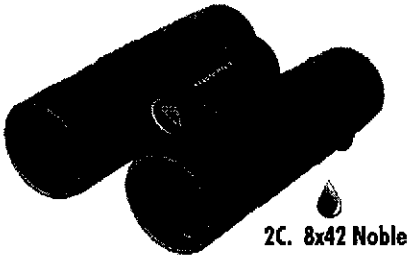
Recognized as a world leader in astronomical telescopes, Celestron offers you precision-assembled binoculars for nature observation. Celestron lifetime warranty.

1. 8x42 Regal LX



2B. 10x50 Noble

2A. 8x32 Noble



2C. 8x42 Noble

1. Regal LX —The name describes the views!
Celestron's top-of-the-line binoculars gives avid bird watchers an incredible near focus of six feet! The next-generation Regal LX binoculars are brighter and sharper — admired for precision-crafted components including high-density BaK-4 prisms, fully multi-coated and phase corrected optics.

Enjoy the magnificence of eagles, ospreys, and other raptors with a Regal view. Revered by serious birders and outdoor enthusiasts, the 8x42 Regal LX is a great choice for most any use. The 10x42 Regal binoculars truly go the distance with power that practically brings herds of game and distant birds right next to you.

Celestron Regal LX Features:
Phase coated, BaK-4 prisms, fully multi-coated, continuous spectrum high transmission lens coating, super high reflectivity prism coating, aspheric eyepiece lens, waterproof, nitrogen-purged, tripod adaptable, rubber armor, soft carrying case, rainguard, neck strap.

2A-C. Noble — Waterproof and packed with value
Looking for exciting views of birds and other wildlife? Celestron packs great features into a nice variety of sizes — perfect for a wide range of activities from watching birds and butterflies in your own neighborhood to admiring bison, bears, moose, and elk in a wildlife refuge. No matter where you travel, go ahead and view without concern in poor weather — a rugged Noble binocular won't let you down. Even if it rains, you won't need to shelter a Noble binocular.

Celestron Noble Features:
Phase-coated, fully multi-coated, BaK-4 prisms, water proof, nitrogen purged, twist-up eyecups, ribbed exterior, rubber armor, tripod adaptable, soft carrying case, rainguard, strap.

	Regal LX		Noble			
	8x42	10x42	8x32	8x42	10x42	10x50
Eye Relief	20mm	16mm	20mm	20mm	16mm	20mm
Close Focus	6'	6'	5'	8'	8'	9'
Field of View (1000 Yards)	340'	314'	393'	341'	314'	262'
Height	5.75"	5.75"	4.9"	5.75"	5.75"	6.7"
Width	5.25"	5.25"	4.8"	5.1"	5.1"	5.2"
Weight	25.0 oz	25.0 oz	19.0 oz	23.0 oz	24.0 oz	27.0 oz

CELESTRON

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Eagle Optics Binoculars

Building a reputation for unmatched customer service, and an exceptional selection of quality products at extremely competitive prices. Eagle Advantage transferable limited lifetime warranty.

Platinum Protection for life!

Eagle Optics is totally dedicated to your satisfaction. If your Ranger SRT binoculars should require service or repair not covered by our lifetime guarantee, Eagle Optics will take care of any repairs or replacements — no matter how the damage occurred!

1. The Ranger SRT Binoculars

Enhanced for even more amazing views!

No matter where you travel, you can enjoy absolutely phenomenal views with a Ranger SRT binocular with **S**uperior **R**esolution **T**ransmission **SRT** coatings. Head to the tropics or the arctic. View in salt spray or desert dust. Begin your day before dawn and stay out past twilight and expect the best views. You won't spend a fortune, but you will get outstanding binoculars for images of birds, butterflies, bobcats and bumblebees with awesome brightness and color fidelity.

The popular Ranger SRT binoculars are built rugged with a sleek, lightweight body for easy handling. Comfortable multi-position eyecups, built on a metal frame for durability, let you take full advantage of long eye relief for pleasing, full-field views. Completely covered by Platinum Protection — for life!

Eagle Optics Ranger SRT Features:
Phase corrected, full multi-coated, ergonomic styling, waterproof, fog proof with nitrogen purging, twist-up multi-position eyecups, comfort neck strap, rainguard, tethered objective lens covers, padded carry case.

1A. Ranger SRT 32mm Class
Hailed as superb for birding (and one of the very best for the price) the 32mm Ranger SRT binocular is made for long days of carefree viewing! Draw near to butterflies, dragonflies and other insects for bright, true-color images from as little as three feet away.

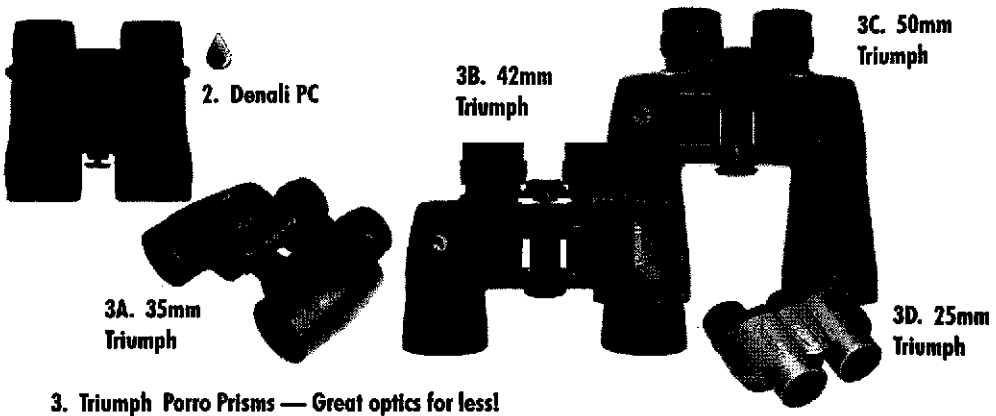
1B. Ranger SRT 42mm Class
Choose the 8x42 Ranger SRT for fine viewing in a wide variety of situations. Pick up a boost in magnification with the 10x42 Ranger SRT and watch as elk, broad-winged hawks and sandpipers come clearly into view.

1C. Ranger SRT 50mm Class
Hailed as superb nature-viewing binoculars, and one of the very best for the price, the 50mm SRTs will have you viewing from sun up to sun down without any cares. And after sunset, take a better look at the moon and your favorite constellations! When you head out with a 50mm Ranger SRT, you'll love the look!

2. Denali PC 42mm — Exceptional value

With a waterproof, fogproof Denali PC in hand you'll never have to worry about being caught in an unexpected rain shower ... or getting dunked on your next family canoe outing. Both the 8x42 and 10x42 Denali PCs are big on value you can see. From watching hummingbirds in your garden to sandpipers at a preserve, you'll smile at the color and contrast delivered by these roof prisms. Plus, eyecups twist up and down for customized comfort as you view. Pick up a Denali today — and see what you've been missing!

Eagle Optics 42mm Denali PC Features:
Phase corrected, fully multi-coated, BaK-4 prisms, waterproof, nitrogen purged, twist-up eyecups, rainguard, comfort neck strap, heavy-duty nylon case.



3. Triumph Porro Prisms — Great optics for less!

Eagle Optics responded to your requests for lighter, yet sturdy binoculars, by using lightweight composite materials in all the Triumph binoculars. Check out the Triumphs for a better look at your world!

3A-C. Full Size Triumph
The lightweight Triumph 8x42 is a great all-purpose binocular that really does the job — but doesn't cost a lot. The 7x35 Triumph is a lightweight, introductory bino that gives you a super-wide field of view. And with the 10x50 Triumph, you won't have to stop viewing when the sun starts to go down.

Eagle Optics Full Size Triumph Features:
Multi-coated, BaK-4 prisms, rubber eyecups, case and neck strap, ocular and objective lens covers.

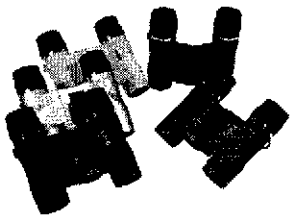
3D. Triumph Compacts — Lightweight Comfort
Small in size, and weighing less than 10 ounces, the popular Triumph compacts are easy to carry along. Using a reverse Porro prism design, the 25mm Triumphs give a clear boost in magnification for much less than you'd imagine. There's no doubt you'll enjoy taking these binoculars on your next nature walk, and to a concert or sporting event.

Eagle Optics Compact Triumph Features:
Fully multi-coated, twist-up eyecups, case and strap.

4. 8x21 Energy Pockets

Engineered to fit your lifestyle with a rainbow of charismatic colors and performance to match! Pick up the Energy for equally light, bright views. Whether your adventures begin in the city, or on a remote trail, you'll pack more into less with the Energy!

Energy Pockets (5 colors)



Eagle Optics Energy Features:
Fully coated, double hinge, rubber eyecups, rainguard, case and cord neck strap. Choices: Star (silver), Moon (blue), Sun (yellow), Lava (red), Ocean (green).

	Ranger SRT Series						Denali PC		Triumph					Energy
	6x32	8x32	8x42	10x42	10x50	12x50	8x42	10x42	8x25	10x25	7x35	8x42	10x50	8x21
Eye Relief	19.5mm	16mm	19.5mm	16mm	20mm	15.5mm	18mm	15mm	18mm	18mm	12mm	14mm	13mm	8mm
Close Focus	3'	3'	5.2'	5.2'	8'	8'	10'	10'	8.2'	8.2'	12'	13'	22'	8'
Field of View (1000 Yards)	409'	393'	341'	314'	262'	251'	367'	293'	330'	262'	483'	430'	342'	345'
Height	4.9"	4.9"	5.75"	5.75"	6.7"	6.7"	5.9"	5.9"	3.8"	3.8"	4.75"	5.75"	7.6"	3.75"
Width	4.8"	4.8"	5.1"	5.1"	5.2"	5.2"	4.9"	4.9"	4.3"	4.3"	7.0"	7.1"	7.5"	2.5"
Weight	19.4 oz	19.2 oz	21.8 oz	21.6 oz	26.2 oz	25.8 oz	20.6 oz	20.5 oz	10.2 oz	10.2 oz	20.4 oz	22.8 oz	29.6 oz	6.8 oz

Fujinon Binoculars

Fujinon binoculars incorporate advanced optical technology, and are widely used on naval and coast guard vessels. Fujinon lifetime warranty.

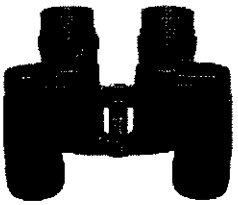
1. Polaris Binoculars — Bright by day and night
Polaris. The very name points you in the right direction. Made for exploring the wide open night sky, you'll be rewarded with outstanding views whenever you face the challenge of watching wildlife in low light. How? EBC coatings and high quality optics work to deliver colors as true and reliable as the North Pole itself — increasing the overall brightness by 95% across the full visible spectrum.

Built to military specifications, Polaris binos are waterproof, and resist impact from humidity and temperature extremes. Plus, the Polaris binoculars feature a costly aluminum alloy body that is lightweight, yet so durable!

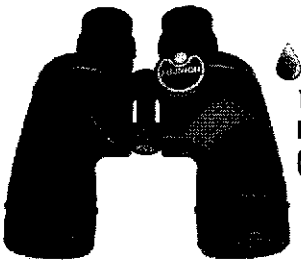
2. Fujinon Tripod Adapter
Increase your viewing pleasure with steadier handling of your binoculars by using this tripod adapter—works perfectly with Fujinon's 7x50, 10x70, and 16x70 Polaris binoculars.

3. Techno-Stabi — Popular with boaters
Pitching seas need not trouble you any longer with an image-stabilized Techno-Stabi strapped on your hand. These binoculars are uniquely capable of delivering steady images in both vertical and horizontal directions. Guaranteed protection from water damage is an integral part of the design and, if the 40mm models slide off the dock, don't worry—they come with a floatation strap for easy retrieval.

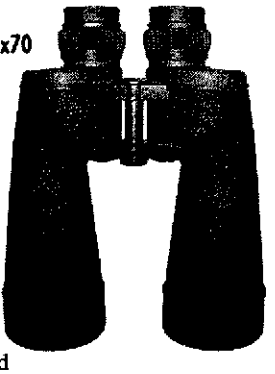
Fujinon Techno-Stabi Features:
Multi-coated, waterproof, nitrogen purged and sealed. 32mm comes with a handstrap. 40mm models include eyepiece covers, a soft case, and a floatation neck strap.



1A. 8x30 Polaris



1B. 7x50 Polaris with (FMTRC-SX)



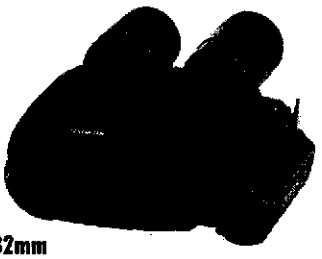
1C. 16x70 Polaris

1A. 30mm Polaris
Whether you're out in a boat or hitting the high trail, this mid-sized Polaris binocular is big on reliability. No matter how rocky the journey, the Polaris 8x30 FMTR-SX will keep on dishing out great views!

1B. 50mm Polaris
If you cruise along rocky shorelines in search of wildlife, the 7x50 Polaris has the larger exit pupil you need to find and hold that cormorant in fine focus as waves rock your boat. Choose rubber armor (FMTR-SX) or rubber amored with a compass (FMTRC-SX) — fit with rubber covers, easy to handle, and ideal for use at sea.

1C. 70mm Polaris
The large 70mm models gather much more light for exciting studies of the lunar surface, full of lakes and bays. You can give up squinting through a telescope and enjoy more relaxed viewing through the 10x70 or 16x70 Polaris.

2. Fujinon Tripod Adapter
Easily attaches to any basic camera tripod or car window mount.



3. 32mm Techno-Stabi
Also available in a 14x40 configuration.

Fujinon Polaris Features:
EBC anti-reflection coatings on each lens and prism surface, silvered mirror prisms, waterproof, dry nitrogen filled and sealed, aluminum alloy chassis, rubber armor*, fold-back eyecups, individual focus, rainguard and built-in objective lens covers.

	Polaris				Techno-Stabi		
	8x30	7x50	10x70	16x70	12x32	10x40	14x40
Eye Relief	16.6mm	23mm	23mm	15.5mm	15mm	16.5mm	13mm
Close Focus	15'	20'	27'	36'	16.5'	16.5'	16.5'
Field of View (1000 Yards)	393'	393'	279'	210'	262'	288'	277'
Height	5.2"	7.9"	11.25"	10.6"	7.2"	7.8"	7.8"
Width	6.8"	8.6"	9.75"	9.75"	5.5"	8.5"	8.5"
Weight	25.4 oz	Below*	76.2 oz	76.2 oz	37.4 oz	55.2 oz	55.2 oz

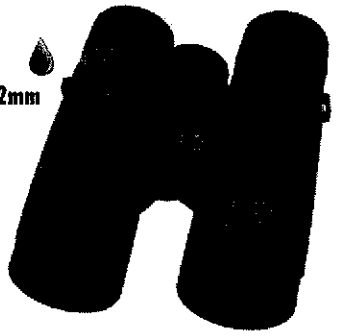
*Weight of various 7x50 Polaris models
7x50 FMT-SX 50.1 Ounces
7x50 FMTR-SX 53.6 Ounces (Armored)
7x50 FMTRC-SX 55.0 Ounces (Armored/Compass)

Kahles Binoculars

Continuing a 100-year tradition, Kahles uses innovative optical design to engineer optics for greater enjoyment of life in the outdoors. Kahles limited lifetime warranty.

1. Kahles Roof Prism — Reliable European styling
Nature is full of surprises, and Kahles makes sure you won't miss a thing! Birders, really any outdoor enthusiast, will value all the features packed in these binoculars. A bright, bold Kahles roof prism is your guide when searching for warblers in the thicket. A natural rubber covering over the rugged chassis absorbs shocks, and has grooves for an effective grip that won't slip out of gloved hands.

Kahles Features:
Phase corrected, AMV coatings, fully multi-coated, waterproof, nitrogen purged, full metal hinge and housing construction, twist-up eyecups with click-stop mechanism, standard and winged eyecups, rubber armor, tripod adaptable, tethered objective lens covers, rainguard, cordura pouch and neoprene neck strap.
Grey armor (42mm also in Green).



1A. Kahles 42mm Roof Prism

1B. Kahles 32mm Roof Prism

1A. 42mm Kahles
The 8x42 Kahles is wonderful for all-around viewing in any condition, but count on the extra powerful 10x42 Kahles for better views of raptors, and wildlife across the open prairies.

1B. 32mm Kahles
Sized down to a more compact size, the 8x32 Kahles is fine for daytime viewing. With a close focus of less than five feet, this mid-size model is ideal for watching butterflies and dragonflies.

	Kahles Roof Prisms		
	8x32	8x42	10x42
Eye Relief	16mm	19mm	16mm
Close Focus	4.9'	8'	7.5'
Field of View (1000 Yards)	402'	332'	317'
Height	4.7"	5.6"	5.5"
Width	4.5"	4.7"	4.7"
Weight	21.5 oz	26.1 oz	26.1 oz

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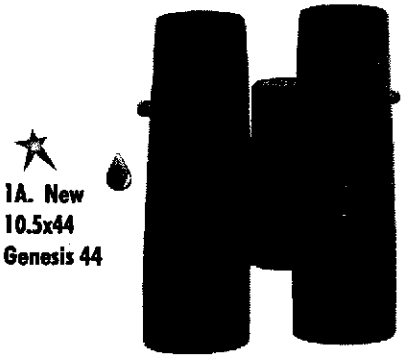
Kowa Binoculars

Established in 1894, Kowa continues its tradition of commitment to the needs of future generations. Kowa limited lifetime warranty.

1. New Genesis 44 — Next Generation Clarity
Look to the Genesis 44 for a new outlook through binoculars. Schmidt-Pechan prisms provide the basis for bright, sharp images of every feather. Go ahead and take a chance on the weather. You can count on the Genesis 44 for reliable viewing even when a storm blows your way.

Kowa Genesis 44 Features:
Phase corrected, BaK-4 prisms, Prominar XD lens elements, C3 roof prism multi-coatings, fully multi-coated, waterproof, fogproof with nitrogen purging, twist-up eyecups, diopter lock, center focus, magnesium frame, rainguard, binocular harness strap, neck strap, and carry case.



1A. New 10.5x44 Genesis 44

1B. New 8.5x44 Genesis 44

1A. 10.5x44 Genesis 44
Move across vast open prairies, and stay with wildlife on the move with the power of the 10.5x44 — delivering the details from the first rays of light to the last.

1B. 8.5x44 Genesis 44
With greater magnifying power than the typical 8x binocular, the 8.5x44 Genesis gives you steady viewing with a real advantage when it comes to seeing fine details!

	Genesis 44	
	8.5x44	10.5x44
Eye Relief	18.3 mm	16.0 mm
Close Focus	5.7'	5.7'
Field of View (1000 Yards)	366'	324'
Height	6.5"	6.5"
Width	5.4"	5.4"
Weight	33.5 oz	34.0 oz

Glossary of Optical Terms

Aperture:
The diameter of the objective lens in millimeters.

Center focus:
System focuses binocular eyepieces simultaneously.

Close Focus:
Shortest distance at which images are in sharp focus.

Detail Resolution:
How well an optical system distinguish fine details, larger objective lenses tend to improve resolution.

Diopter:
Compensates for differences in the strength of each eye. Usually placed on right eyepiece or focus wheel.

Exit Pupil:
The image projected to a point in space beyond the binocular eyepiece.

Aperture ÷ Magnification = Exit Pupil

Eye Relief:
Refers to the furthest distance behind the binoculars' eyepieces at which the whole field of view can be attained — measured in millimeters.

Field of View:
The widest dimension of the circular viewing area visible from a distance of 1,000 yards, described in linear feet or degrees of arc.

Fog proofing:
Optics are purged with a gas so that internal lenses do not fog up with sudden changes in the temperature.

Internal Blackening:
All internal components of the lens barrels are painted black to reduce reflections and enhance glare reduction.

Lens Coating:
Anti-reflective chemical films are applied to lenses — reducing light loss and glare, improving color saturation, and maximizing image brightness and contrast.

- **Coated:** One or more surfaces has a coat.
- **Fully-coated:** All air-to-glass surfaces have one coat.
- **Fully multi-coated:** All surfaces have several coats.

Light transmission:
An indication of how much light (usually given in percent) passes through the optical system, or how efficiently it transmits to the eye.

Magnification:
Indicates how much larger an image appears compared to viewing with the unaided eye. Shorthand for a magnification of 10 times (10 power) is 10x

Objective Lens:
The larger lens where light enters the optical system.

Power:
See magnification.

Prisms:
Correct the inverted and reversed images that would be seen in their absence.

- **Porro Prism:** Uses the classic offset prism design.
- **Roof Prism:** Using prisms of a smaller, in-line optical design for a slimmer, more compact binocular.

Rubber Armor:
Cushions blows to optics, protects against corrosion or dirt, makes optics less slippery and easier to grip, but does not waterproof!

Twilight Factor:
Measures the viewing efficiency and image detail under the low light of twilight conditions. A higher twilight factor implies better resolution of an image. Larger objective lens diameters produce brighter images and higher magnifications increase contrast so more details are noticeable.

- **Limitations:** The higher twilight factors attributed to binoculars with greater magnifications and larger objective lenses does not compensate for any differences in light transmission or the loss of light that occurs at increased magnifications.

Waterproofing:
Ability to withstand water. Nitrogen purged optics are internally filled with nitrogen and sealed with O-rings to prevent oxidation and internal fogging. This process also makes the internal optical components impervious to water and dust.

Water-resistant:
Provides some protection against moisture, but is not the same as waterproof and would suffer damage if submerged in water—also referred to as shower proof, splash proof, or weatherproof.

Zoom:
Eyepieces feature a range of magnification.

Finer Optics and Corrections

An investment in the best optics you can afford is a great step toward making more exciting discovers in the world of nature. These are some of the common problems inherent in optical design that finer optics are able to correct for:

Astigmatism:
Lines that do not run in the same direction (i.e. vertically and horizontally).

Color aberration:
A colorful colored halo, usually violet light, appearing around objects because light of different wavelengths will not focus at a common point. This also reduces contrast and is most apparent around bright objects, or dark objects set against a bright sky.

Distortion:
Straight lines of an image will curve either inward or outward because the magnification varies from the center of the field to the edges.

Field curvature:
The entire field is not equally in focus because the light rays do not all come to a sharp focus in the same plane. For example, the center of the field could appear sharp, but not the edges (or vice versa). Higher quality lenses and construction can minimize field curvature.

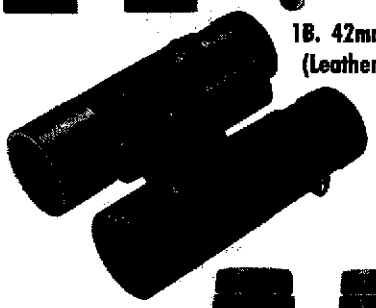
Phase shift:
This phenomenon is unique to the roof prism design and causes a deterioration of image contrast and resolution. This chemical coating, applied to the surface of the roof prism, forces the light beams back into phase. As a result of phase correction, images appear sharper — especially when viewing fine details.

Spherical aberration:
Interferes with the ability to focus sharply on any object. The image blurs because light rays, at different distances from the optical center, come to focus at different points on the axis. Higher quality lenses and multiple lens elements will minimize this problems.

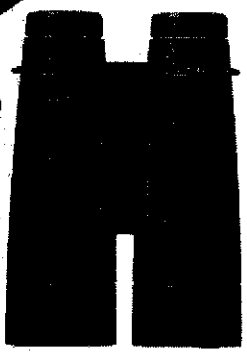
Leica Binoculars

Optical masterpieces from environmentally-friendly materials and technology. Leica USA limited lifetime and No-Fault Passport replacement warranty on all Ultravid binoculars.

1A. 32mm Ultravid



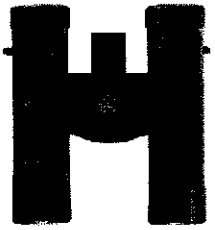
1B. 42mm Ultravid (Leather)



1C. 50mm Ultravid

2A-B. Ultravid Pockets — A star among compacts
The elegant Ultravid is well-dressed for the theater, but fully waterproof and fogproof for watching wildlife in the most challenging environment. It's when rain or snow falls that you'll really appreciate the solid grip and easy handling of the rubber armored models. Impressive views, smooth focusing, and pop-up eyecups will please you wherever you travel. And, when you're done viewing, just fold down the barrels of the Ultravid pocket for an easy carry in any purse, pocket, or small pouch.

Leica Ultravid Pocket Features:
Aspherical lens technology, fully multi-coated, waterproof, nitrogen-filled, pop-up eyecups, neck strap. Hard case with leather covered models; soft cordura case with rubber armored models.
Black armor or leather covering.



2A. 10x25 Ultravid Pocket (Leather)

2B. 8x20 Ultravid Pocket

Leica HighLux System
You'll applaud Leica for using new technologies to deliver exceptional brilliance and resolution of details in every view — free of distracting color fringing. One such technology is the innovative HighLux System used in the Ultravid binoculars. The power of this system is in how it reduces stray light and generates an increase in light transmission and contrast.

1. The Ultravid Series — Proven binoculars for a wide variety of nature viewing
Enjoy all of nature's surprises with the advantage of the Ultravid binoculars in hand! Thanks to Leica's extensive optical experience, you can count on naturally true color in every bright, detailed view. Every feature of the Ultravid is finely tuned for smooth, flawless operation in habitats as varied as a tropical cloud forest and a blustery Rocky Mountain pass in the fall.

Built on the strengths of a lightweight magnesium chassis and titanium center shaft, the Ultravid binoculars are made for a long lifetime of extremely satisfying handling even when the mercury drops to -15° F. The new ring-shaped diopter window on the redesigned center drive is easy to read. The center focus responds quickly so you can follow wildlife on the run with little more than a full turn of the focal dial your subject snaps sharply into focus.

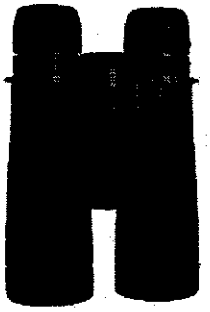
1A. 32mm Ultravid — Minimal weight and maximum performance
The 8x32s generous 405-foot field of view makes it easier for you to field any bird, butterfly or critter that moves quickly ... and is hard to track. The more powerful 10x32 yields impressive views over even greater distances.

1B. 42mm Ultravid — A classic in every sense of the word
The elegance of the 8x42 Ultravid's rich leather finish is particularly reminiscent of the binoculars that made Leica famous. Choose any of the 42mm Ultravids for extremely bright and richly contrasted images throughout the day and twilight. You'll love the evenly balanced design and fine handling of the Ultravid!

1C. 50mm Ultravids — Pulling out details in poor light
Large 50mm objective lenses pull in copious amounts of light for absolutely stunning views during the twilight hours that often signal the end of the day for other wildlife watchers. Along or premium optics, you can count on easy handling of the 8x magnification for outstanding birding in habitats as varied as dense woodlots, brackish marshes, and open prairies. The 10x50 and 12x50 Ultravids are perfect for watching raptors and extremely useful for finding wildlife in open plains and foothills.

Leica Ultravid Features:
Four-lens objective with an achromat*, fully multi-coated, HighLux-System HLS highly reflective mirror coating on prisms, waterproof, nitrogen filled, twist-up eyecups with click-stops, magnesium and titanium housing and center shaft, rainguard, objective lens covers, black cordura carry case, neck strap. **Black or Green armor (42mm also with leather covering).**

3A. 8+12x42 Duovid



3B. 10+15x50 Duovid

3A-B. Duovid Binoculars — Two binos in one!
Now you can get eye to eye with your favorite raptor — feeling as though you're right beside it! Leica forges two premium 50mm binoculars into one solid body: packing viewing comfort with extra power. Simply set the Duovid at the lower magnification for steady, wide-field scenes before switching to high power for absolutely incredible detail recognition. Leica pulls so much together in the Duovids. You'll experience greater viewing satisfaction that really does go hand-in-hand with a rugged build. Expect flawless performance and easy handling in the most extreme temperatures.

Leica Duovid Features:
Four-lens objective with an achromat, fully multi-coated, HighLux-System HLS highly reflective mirror coating on prisms, waterproof, nitrogen-filled, twist-up eyecups with click-stops, aluminum die-cast housing, soft-touch rubber armor, rainguard, neck strap, leather carry case.

*Listed weight is for rubber armored version.	Ultravid Series										Duovid
	8x20*	10x25*	8x32	10x32	7x42*	8x42*	10x42	8x50	10x50	12x50	8 + 12 x 42 / 10 + 15 x 50
Eye Relief	16mm	15mm	13mm	13.5mm	17mm	15.5mm	16mm	17mm	15mm	13mm	[illegible]
Close Focus	7.2'	10.5'	7.2'	6.6'	10.8'	9.8'	9.5'	11.5'	10.8'	10.5'	[illegible]
Field of View (1000 Yards)	341'	273'	404'	352'	420'	389'	336'	352'	352'	299'	[illegible]
Height	3.6"	4.4"	4.6"	4.8"	5.6"	5.6"	5.8"	7.2"	7.0"	7.2"	[illegible]
Width	4.4"	4.4"	4.6"	4.6"	4.8"	4.8"	4.8"	4.9"	4.9"	4.8"	[illegible]
Weight	8.5 oz	9.4 oz	18.9 oz	19.9 oz	27.2 oz	27.9 oz	26.5 oz	35.3 oz	35.3 oz	36.7 oz	[illegible]

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Leupold Binoculars

Leupold optics are founded on 100 years of craftsmanship. Golden Ring Full lifetime warranty, limited lifetime warranty on others.

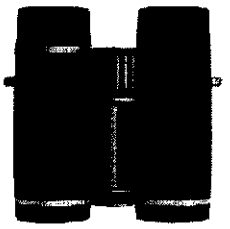
Golden Ring HD Technology
Leupold's HD technology and DiamondCoat lenses push performance to the very limits with vivid color and stunning clarity to please the most serious user. High-definition (HD), calcium-fluoride objective lenses complement Leupold's Index Matched Lens System for images of superb resolution, contrast and color fidelity.

1. Golden Ring HD Binoculars

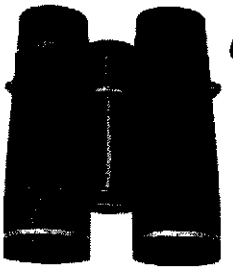
Setting a new benchmark for watching wildlife

Only binoculars built rugged enough to handle the roughest treatment get branded with the Golden Ring — Leupold's symbol for robust, nearly indestructible binoculars. With an innovative Interpupillary Distance lock (IPD), you'll have single-handed control over the Golden Ring binoculars ... so these premium binoculars are always ready to use the instant you put them to your eyes.

Leupold Golden Ring Features:
Phase corrected, super-reflective coated BaK-4 prisms, DiamondCoat lenses, HD technology, Index Matched Lens System, fully multi-coated, waterproof, fog proof with nitrogen purging, twist-up eyecups, rainguard, tethered objective covers, quick-detach carry harness, case and neck strap.



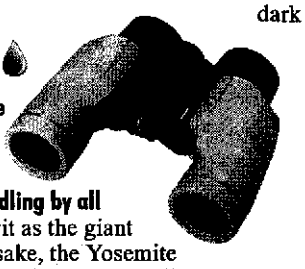
1A. New 32mm Golden Ring HD



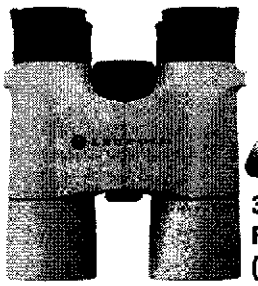
1B. New 42mm Golden Ring HD

1A. Golden Ring 32mm HD Binoculars
With the ability to focus from as close as five feet, you'll be amazed with breathtaking details on butterflies and dragonflies. A generous wide field of view makes both the 8x32 and 10x32 ideal for following birds in flight as well as larger animals on the move.

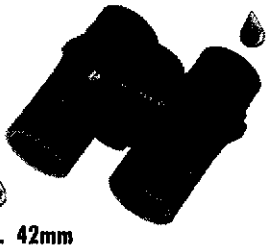
1B. Golden Ring 42mm HD Binoculars
The popular 8x42 Golden Ring is one versatile bino — ideal for viewing any animal at any time of day, even as shadows grow For even closer looks at wildlife, like a moose standing in dark timber, close the viewing gap with a 10x42 Golden Ring.



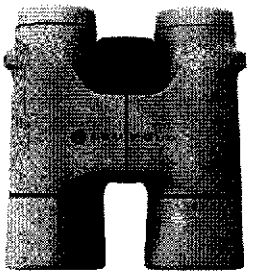
2. New 8x30 Yosemite (Natural)



3. 42mm Pinnacles (Natural)



4. 32mm Katmai



5. 42mm Cascades (Natural)

2. Yosemite — Easy handling by all
Claiming the same spirit as the giant sequoias of their namesake, the Yosemite Porro prism binos stay with a long-standing tradition of producing bright, sharp images for less. What's more, even a child can begin to experience the excitement of watching wildlife with the quality of these mid-sized binoculars in hand.

Leupold Yosemite Features:
Waterproof, multi-coated lenses, neck strap and carry strap. **Black, Red or Natural armor.**

6. New 7/12x32 Switch/Power

3. Pinnacles — Slim, trim and tough
Here's a fine companion for close study of flora and fauna — no matter whenor where you discover it The slim, waterproof body fits well in any hand and delivers views every bit as stunning as the spectacular spires and sheer-walled canyons of Pinnacles National Monument. High contrast images will complete your enjoyment of nature's most dramatic habitats.

Leupold Pinnacles Features:
Phase corrected, fully multi-coated, silver enhanced prisms, twist-up eyecups (interchangeable with vented, retractable contoured eyecups), waterproof, nitrogen purged, rainguard, case and neck strap. **Black or Natural armor.**

4. Katmai — Lightweight and so packable
Packing light? At less than 20 ounces, Leupold's mid-sized Katmai binoculars deliver power you can afford to carry along. When facing awe-inspiring natural wonders, count on the Katmai for views that fit the bill (and your cargo pocket). Leupold uses an impressive 64 layers of anti-reflective coatings to deliver stunning, bright views you'll be bragging about for years to come.

Leupold Katmai Features:
Phase corrected, anti-reflective L-coat prism coating, fully multi-coated lenses, waterproof, nitrogen filled, twist-up eyecups, case and padded neck strap, lens covers. **Black or Natural armor.**

6. New Golden Ring Switch/Power Binoculars
Cutting back on gear? Don't cut back on power! Leupold packs plenty to pull in distant details with binoculars. The mid-sized 7/12x32 Golden Ring is extremely bright with wide-field views. The full-sized 10/17x42 Switch/Power has the power of a small spotting scope — ideal for coastal birding and general wildlife observation. Lightweight and easy to carry, the Switch/Powers are naturals for hiking and camping. Leupold's 2nd Generation waterproofing guarantees fog free viewing over a lifetime of use — in any weather ... any time of the year

Leupold Golden Ring Switch/Power Features:
Phase corrected, fully multi-coated, Index Matched Lens System, BaK-4 prisms, waterproof, fogproof, purged with blend of argon/krypton gases, rubber armor, interchangeable vented/twist-up eyecups, rainguard, tethered objective lens covers, quick-release binocular harness, deluxe neck strap and carry case.

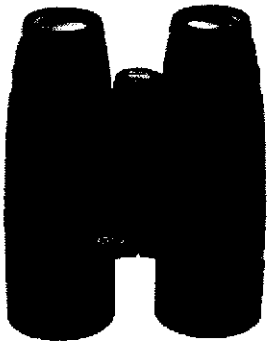
5 Cascade Roof Prisms — Tough and rugged for powerful viewing
Packing a pair of rugged Cascade roof prisms gives you freedom to be a bit more carefree as you explore. Go ahead with that urge to cross a mountain stream, not a drop of water will harm this fully waterproof binocular. When sitting in the chill of an early morning mist, you won't experience distracting lens fogging — just a clear view of wildlife!

Leupold Cascade Roof Prism Features:
Waterproof, nitrogen purged, twist-up eyecups, rubber armor, rainguard, case and neck strap, objective lens covers. **Black or Natural armor.**

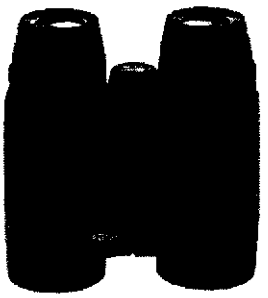
	Golden Ring HD *Also available without HD glass.				Yosemite		Pinnacles		Katmai			Cascades Roof Prism		Golden Ring Switch/Power	
	8x32*	10x32*	8x42	10x42	6x30	8x30	8x42	10x42	6x32	8x32	10x32	8x42	10x42	7/12x32	10/17x42
Eye Relief	17.5mm	14.7mm	16.5mm	16mm	20mm	14mm	17.8mm	16.5mm	19.5mm	15.9mm	16.2mm	18mm	16mm	18.7/21.4mm	16.1/21.1mm
Close Focus	4.9'	4.9'	7'	7'	16.4'	16.4'	6.6'	6.6'	6.6'	6.6'	6.6'	9.9'	9.9'	6.5/6.0'	13.1/13.1'
Field of View (1000 Yards)	420'	356'	381'	340'	420'	393'	341'	267'	425'	335'	277'	341'	267'	320/215'	262/136'
Height	5.3"	5.2"	6.0"	6.0"	4.6"	4.5"	5.5"	5.5"	4.1"	4.1"	4.1"	5.5"	5.5"	5.8	6.8
Width	4.75"	4.75"	5.25"	5.25"	4.3"	4.3"	4.75"	4.75"	4.25"	4.25"	4.25"	5.2"	5.2"	5.4	5.3
Weight	27.0 oz	27.1 oz	33.7 oz	33.8 oz	17.0 oz	18.5 oz	23.0 oz	25.0 oz	18.2 oz	18.9 oz	18.2 oz	22.9 oz	23.1 oz	21.4 oz	23.9 oz

Meopta Binoculars

Meopta, manufacturing in Eastern Europe since 1933, melds the precision of old world craftsmanship with modern technology and materials. Meopta lifetime warranty.



1A. 50mm Meostar B1



1B. 42mm Meostar B1

1A-B. Meostar B1 — European styling

Meopta's flag ship line of Meostar Bl binoculars arrives with all the quality and value you need for fine viewing. From the moment you first pick up a Meostar, you'll notice how good it feels to grasp the rugged armor covering the solid aluminum alloy body. Grab the Meostar binoculars and wrap your hands around a ruggedly armored body that feels great to hold. Take them to the Rockies, Badlands, or Pacific Northwest —and count on these binoculars to perform well against the unique demands of each place.

Meostar B1 Features:
Phase corrected half pentagonal and Schmidt design roof prisms, fully multi-coated, waterproof, nitrogen filled, twist-up rubber eyecups, rainguard, case and neck strap.

	Meostar B1				
	7x42	8x42	10x42	7x50	10x50
Eye Relief	20mm	17mm	15mm	22.5mm	17mm
Close Focus	9.8'	9.8'	9.8'	13.1'	13.1'
Field of View (1000 Yards)	411'	411'	330'	378'	330'
Height	5.5"	5.5"	5.5"	6.7"	6.7"
Width	5.2"	5.2"	5.2"	5.4"	5.4"
Weight	30.4 oz	30.4 oz	30.4 oz	35.3 oz	35.3 oz

MEOPTA

Minox Binoculars

Minox uses precision engineering for this generation binoculars. Minox limited lifetime warranty.

1. Minox BD Mid and Full Size BR Binoculars
Natural color is even more affordable

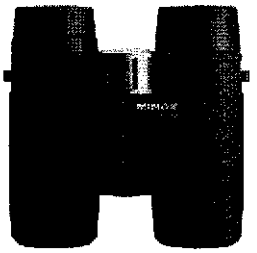
Move well beyond the ordinary with binoculars that show you brilliance with true-to-nature color accuracy ... taking nature viewing to a whole new level. You can stride out to the field in complete confidence with your Minox binoculars. Waterproof for peace of mind, Minox takes away any concern about fog, mildew, or corrosion developing on the inside of the optics by filling these binoculars with the amazing argon gas. The Aspherical Lens Technology of these binoculars transports bright, highly contrasted, razor sharp images to your eye.

Minox BD Full Size BR Features:
Phase corrected, Aspherical Lens Technology, waterproof, fogproof with argon gas, twist-up eyecups, ruber armor, aluminum body, rainguard, objective lens covers, carry case and neck strap.

2. Minox BD Compact BR

This new generation of Minox pockets features increased eye relief with half-stop adjustments of the eyecups, so with a simple twist you can enjoy the most comfortable view of the full field. Rely on the strong armored ABS body to protect the intricate lens systems from bumps along the way to rewarding sights.

Minox BD Compact BR Features:
Multi-coated optics, twist-up multi-position eyecups, ABS body, rubber armor, eyepiece covers, leather case and neck strap.



1A. BD 32mm BR Mid Size

1B. BD 42mm BR Full Size

1A. BD 32mm BR

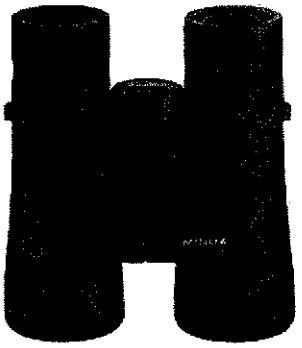
Birders and other wildlife watchers love the wide 400-foot field for following fast-moving animals. And, with an incredible close focus that's under five feet, it's no wonder the Minox BD 8x32 BR mid-sized binoculars are a favorite for the study of nearby critters you can't quite get your hands on — like frogs, butterflies and dragonflies.

1B. BD 42mm BR

The Minox BD 8.5x42 BR binoculars are real beauties for the birder, or any other outdoor enthusiast, who just can't get enough of Nature's vast array of life forms and landscapes. The BD 10x42 BR brings you full size power in a smaller, lighter binocular you can carry for hours with less fatigue. The result? A steadier hand and more impressive scanning of any landscape.

2. BD 8x24 BR Compact

Also available with greater power as a 10x25 compact.



3. New Minox BV 42mm BR Full Size

3. New Minox BV 42mm BR — Lightweight and rugged

The exceptionally slim BV binocular rests securely in your hand with no risk of fatigue — thanks to an outer shape by Volkswagen-Design. Powered with a pleasing field, this is a binocular that the cost-conscious viewer will want for reliable work in any weather or habitat.

Minox BV Features:
Phase corrected, multi-coated lenses, waterproof, fogproof with nitrogen filling, rubber armored, ever-ready case, neoprene neck strap.

	BD BR Full Size			BD BR Compacts		BV BR Full Size	
	8x32	8.5x42	10x42	8x24	10x25	8x42	10x42
Eye Relief	15mm	18mm	15mm	18mm	17mm	18mm	15mm
Close Focus	4.9'	9.8'	7.6'	9.5'	9.5'	9.5'	9.5'
Field of View (1000 Yards)	400'	315'	321'	273'	262'	309'	242'
Height	4.9"	5.75"	5.6"	4.4"	4.4"	5.5"	5.5"
Width	4.25"	5.0"	4.3"	2.6"	2.6"	5.0"	5.0"
Weight	21.9 oz	27.7 oz	26.9 oz	10.5 oz	10.3 oz	27.5 oz	27.5 oz

MINOX

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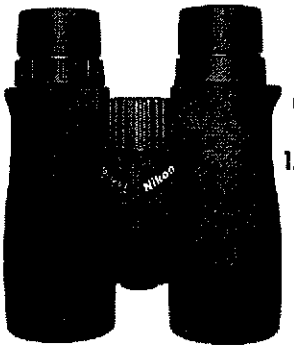
Nikon Binoculars

One of the world's foremost producers of fine optical glass, Nikon's experience shows in their wide range of binoculars for exploring the outdoors. Nikon 25-year limited warranty.

Eco-Glass
Manufactured without the use of lead or arsenic, Nikon's high quality optical glass is environmentally-friendly and lighter in weight than the traditional leaded glass.



1A. Premier LX_L 42mm

1B. Premier LX_L 32mm

1C. Premier LX_L Pockets

Premier LX_L — Fine handling you can count on

Get serious about studying nature at work with rugged, yet lightweight, binoculars. The Premier LX_L binoculars feature Nikon's Eco Glass and high quality coatings for the kind of view serious birders and nature observers rave about. Easy-to-grip textured armor and multi-position eyecup adjustments make comfortable viewing a reality. Built on a promise, you can count on the new Premier LX_L series to bring you the best of Nikon.

1A. 42mm Premier LX_L

The 8x42 Premier LX_L is an extremely popular and versatile model in this series ... and a good competitor with high-end European pieces! When you need to harness extra power for scoping out distant wildlife, rely on the easy handling of the 10x42 Premier LX_L binoculars for finding flycatchers in the top of trees or a trophy buck hidden in the brush.

1B. 32mm Premier LX_L

Watch butterflies and birds up close with binoculars made for long days of investigating nature. The steady power of the 8x32 Premier LX_L and extra magnification of the 10x32 make these binoculars favorites with anyone who wants to travel lighter.

1C. Premier LX_L Pockets

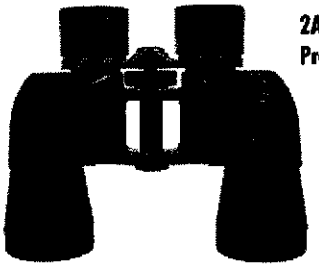
Sophisticated yet tough, the Premier LX_L Pockets really can go anywhere! Choose between the versatile 8x20 and the 10x25 for an extra boost of power. Both compacts deliver bright, well-contrasted details, an amazing field of view, and long eye relief for more comfortable viewing. Waterproof and fogproof performance is guaranteed — no matter how adverse the weather becomes!

Nikon Premier LX_L Features:
Phase corrected, silver mirror prism coating, fully multi-coated lenses, Eco-Glass, turn-and-slide rubber eyecups with multi-click adjustments, waterproof, O-ring sealed, nitrogen filled, non-vinyl chloride rubber armor, magnesium-alloy body, rainguard, objective lens covers, case and neck strap. Compacts come with eyepiece covers, leather case, neck strap.

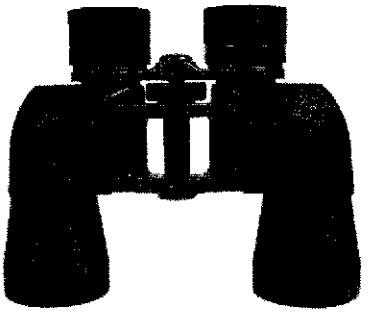
2A-B. Premier SE — Views with a clear advantage

Nikon set out to design the most optically advanced Porro prism binoculars with the Superior E binoculars, and accolades continue. Updated and now known as the Premier SE series, you can count on astounding clarity and sharpness of birds, deer and anything else you set your eyes on ... with colors even Nature would boast about! Rely on the 8x32 Premier SE to sort out a sharp tailed sparrow from among more common sparrow species. Be ready with the commanding power of the 10x42 — because you just never know when a vagrant joins a group of Canada Geese.

Nikon Premier SE Features:
Fully multi-coated lens and prisms, Bak-4 prisms, magnesium alloy body, tripod adaptable, rainguard, objective lens covers, case and neck strap.



2A. 8x32 Premier SE



2B. 10x42 Premier SE

3A. 10-22x50 Action Zoom

3B. 7-15x35 Action Zoom

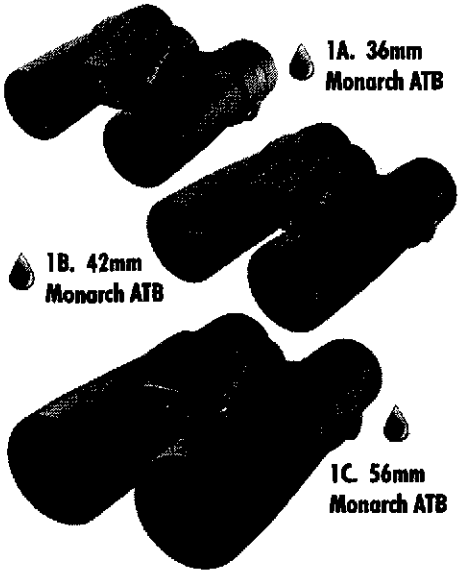
3A-B. Action Zoom — Flexible viewing

Catching all the action, whether in a forest or out on a playing field, is what these binoculars are all about. Take hold of the ability to watch the whole scene and zoom in on that one eye-catching detail. No wonder these top Nikon's list of best-selling binoculars! High index BaK-4 prisms and aspherical lenses deliver quality and value you can count on no matter where you put them to use.

Nikon Action Zoom Features:
Multi-coated optics, BaK-4 prisms, aspherical eyepiece lenses, fold-back eyecups, rubber armor, rainguard, objective lens covers, case and neck strap. Tripod adapter with 50mm model.

	Premier LX_L						Premier SE		Action Zoom	
	8x20	10x25	8x32	10x32	8x42	10x42	8x32	10x42	7-15x35	10-22x50
Eye Relief	15mm	15mm	17mm	16mm	20mm	18.5mm	17.4mm	17.4mm	8.7mm (7x)	8.6mm (10x)
Close Focus	7.8'	10.4'	8.2'	8.2'	9.8'	9.8'	9.8'	16.4'	36'	49.2'
Field of View (1000 Yards)	356'	282'	408'	340'	367'	314'	393'	314'	288' (7x)	199' (10x)
Height	4.2"	4.4"	5.0"	5.0"	6.1"	5.8"	4.4"	6.2"	5.4"	7.8"
Width	3.7"	4.2"	5.4"	5.4"	5.4"	5.4"	7.2"	7.4"	7.2"	7.6"
Weight	9.5 oz	10.5 oz	24.5 oz	24.5 oz	28.0 oz	27.8 oz	22.2 oz	25.0 oz	28.4 oz	36.2 oz

Monarch ATB —Flagship of Nikon's ATB series
Weather any storm with the flagship of Nikon's All Terrain Binoculars series. No matter how harsh the climate, the optics of the Monarch are completely waterproof and fog proof to stand by you for years of adventures.



2A-B. New Trailblazer ATB — Full size for any hour
Nikon adds even more power to the Trailblazer series. The 8x42 Trailblazer binocular features multiple layers of Nikon's anti-reflective coatings that really go to work in shadowy woodlands. If you're looking for an ultra-slim roof prism for bright views, pick up the 10x42 Trailblazer and pack the big-time performance you need for watching wildlife. A 25mm Trailblazer remains a perfect choice for biking, hiking, and canoeing ... where size is just as critical as weathering the unexpected storm.

Nikon Trailblazer Features:
Eco Glass, twist-and-slide eyecups, waterproof, fogproof with nitrogen purging, smooth rubber armor, case and strap.

3. ProStaff ATB — The "Bring Me" binos
These little beauties have "bring me along" written all over them! Ideal entry level binoculars, the ProStaff 8x25 compacts are super portable, handle well and pack a lot of value into a small size. Whether you like to watch large or small mammals, raptors or songbirds, butterflies or beetles, you can boost your viewing power with the 9x25 and 10x25 ProStaff binoculars. For high power and extreme viewing, head out with the 12x25 ProStaff in hand!

Nikon ProStaff Features:
Multi-coated lenses, BaK-4 prisms, aspherical lenses, twist-up eyecups, waterproof, nitrogen purged, polycarbonate body, rubber armor, eyepiece covers, case and neck strap.

All Terrain Binoculars (ATB)
— Built to handle the extremes!

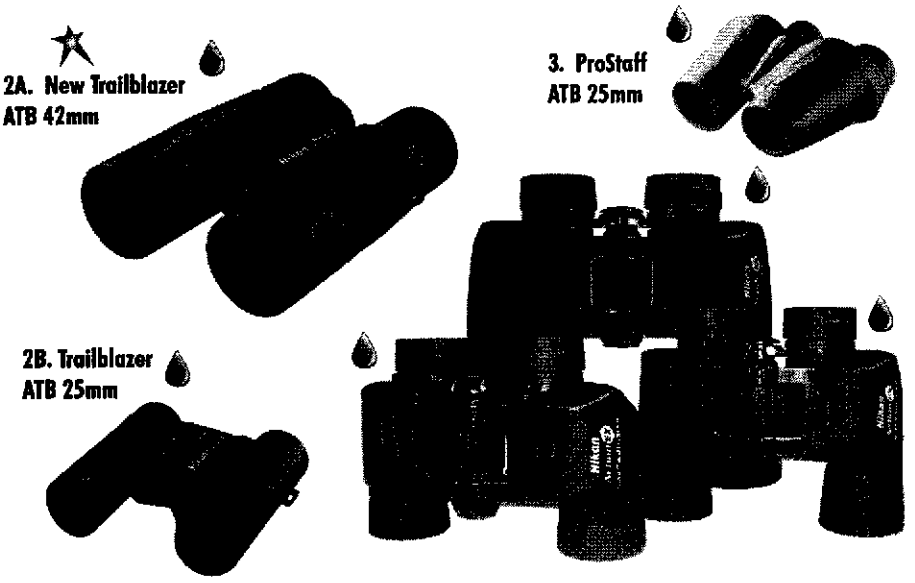
You need binoculars built to deliver through rain, sleet and snow because you are committed to venturing outdoors, regardless of the weather. Whether you choose streamline roof prisms or offset Porro prisms, you'll be pleased with the handling of these All Terrain Binoculars ... no matter how extreme the climate or terrain!

1A. 36mm Monarch ATB
The compact 36mm Monarch binoculars are every bit as bold as the larger 42mm Monarchs. Whether you're drawn to grassland birds and butterflies, or wildlife seen from a mountain summit, the lightweight Monarch binoculars handle well in any terrain.

1B. 42mm Monarch ATB
Choose easy handling in any viewing situation: the 8x42 is ideal for "all-around" viewing, the 10x42 is especially bright for a 10x model, and the 12x42 gives you a real edge by bringing all the action incredibly close to you in a feather-light body!

1C. 56mm Monarch ATB
Go ahead and meet the challenge of watching wildlife before the break of dawn. The large, light-grasping 56mm Monarchs deliver the bright, highly contrasted images you seek in the lowest of light!

Nikon Monarch Features:
Phase corrected prisms, fully multi-coated optics, Eco-Glass, turn-and-slide eyecups, waterproof, rainguard, objective lens covers, case and neck strap.



4. Action Extreme (EX) ATB Series

4. Action Extreme (EX) ATB — For rough roads
Nikon builds on the classic tradition of built-in value with the Porro prism design of the Action Extreme binoculars. As the name implies, these ATB binos are ready for rocky roads, dense brush, open prairies and the most extreme conditions—reliable no matter what the day brings your way!

Extreme choices
Enter the world of bird watching with the advantage of an extra-wide field of view. Nikon's Action Extreme 7x35 and 8x40 binoculars are great choices for all-around use as you find and follow birds in flight. The 10x50 proves its worth with power to pull in details, even in dim light. Boating only gets better with the 7x50 handling the wave action. And, for relaxed 3-dimensional viewing, the 12x50 and 16x50 binoculars deliver views typical of a small spotting scope and wonderful views of the night sky.

Nikon Action Extreme Features:
Multi-layered anti-reflective coatings, Eco-Glass, turn-and-slide eyecups with multi-click stops, waterproof, O-ring sealed, nitrogen filled, metal
and lightweight polycarbonate chassis, rubber armor, rainguard, objective lens covers, case and neck strap.

	Monarch ATB								Trailblazer ATB				ProStaff ATB				Action Extreme ATB					
	8x36	10x36	8x42	10x42	12x42	8.5x56	10x56	12x56	8x25	10x25	8x42	10x50	8x25	9x25	10x25	12x25	7x35	8x40	7x50	10x50	12x50	16x50
Eye Relief	17mm	15mm	19.6mm	15.5mm	15.4mm	19.2mm	17.4mm	16.3mm	18mm	18mm	19.7mm	19.7mm	15.5mm	15.8mm	15.9mm	15.9mm	17.3mm	17.2mm	17.1mm	17.2mm	16.1mm	17.6mm
Close Focus	8.2'	8.2'	8.2'	8.2'	8.2'	32.8'	32.8'	32.8'	8.2'	11.5'	16.4'	16.4'	9.2'	9.2'	9.2'	9.2'	16.4'	16.4'	23'	23'	23'	23'
Field of View (1000 Yards)	367'	314'	330'	314'	262'	324'	315'	288'	429'	344'	366'	294'	330'	293'	262'	220'	487'	430'	335'	341'	284'	185'
Height	4.9"	4.8"	5.7"	5.6"	5.7"	7.8"	7.8"	7.8"	4.1"	4.1"	6.1"	7.4"	3.9"	4.0"	4.0"	4.1"	4.3"	5.4"	7.0"	7.0"	7.0"	7.0"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	5.7"	5.7"	5.7"	4.5"	4.5"	5.2"	5.5"	4.5"	4.5"	4.5"	4.5"	7.3"	7.4"	7.7"	7.7"	7.7"	7.7"
Weight	19.8 oz	19.9 oz	21.5 oz	21.5 oz	21.8 oz	40.2 oz	40.7 oz	41.6 oz	9.9 oz	9.9 oz	25.4 oz	30.3 oz	12.5 oz	12.7 oz	12.9 oz	12.9 oz	28.2 oz	30.1 oz	35.3 oz	36.0 oz	36.8 oz	36.7 oz

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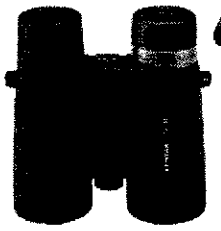
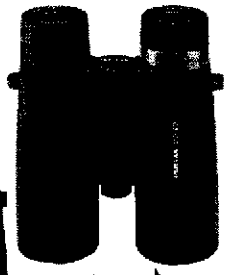
PENTAX Pentax Binoculars

As a leading manufacturer of sports optics, Pentax delivers high performance binoculars for a wide variety of situations. Pentax Worry-Free warranty.

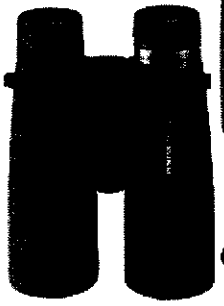
DCF Binoculars Series — Nature comes alive in these top-of-the-line binoculars
An osprey in a canyon, trumpeter swans on a remote lake, vireos in thickets, and elk crossing a ridge at dawn ... when you want to see it all, choose one of the many fine binoculars in the DCF series for outstanding views — all fully submersible to a depth of one meter.



1A. New 32mm DCF ED



1B. New 43mm DCF ED



1C. New 50mm DCF ED

1A-C. New DCF ED Series — Delivering premium views

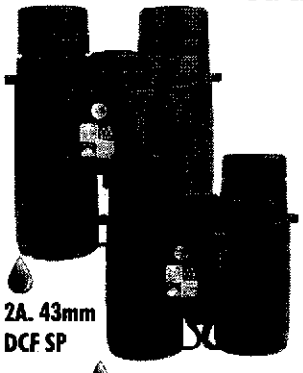
Pentax puts you on the path to incredible viewing with these binoculars, featuring all you need for brighter, truer colors, sharper images from one edge to another with little glare. Tight, durable construction is your ally no matter what the season brings your way. With a DCF ED in hand, you need not worry one bit about rain, sleet, snow ... or that surprise dip in a mountain stream.

Pentax DCF ED Features:
Phase corrected, extra-low dispersion glass, hybrid aspherical lens elements, fully multi-coated, hard coating on exposed lenses, rubber armor, magnesium alloy body, rainguard, carry case, objective lens covers, neck strap.

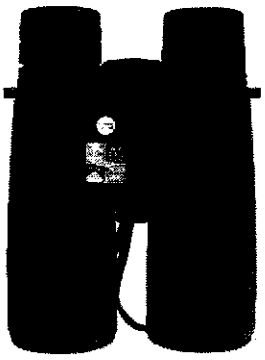
2A-C. DCF SP Series — Spectacular color from edge to edge

The DCF SP binoculars will bring out the "WOW!" in everything you look at. Take in impressive views of plants, animals, landforms and even the stars with the full size DCF SP 50mm binoculars! With the smaller 43mm objective lenses, you can explore effortlessly for longer hours. The lightweight 32mm DCF SP binocular lets you enjoy a full day of viewing butterflies, flowers, and other critters (all from as close as five feet)!

Pentax DCF SP Features:
Phase corrected, fully multi-coated, hybrid aspherical optical elements, BaK-4 prisms, twist-up four-stop eyecups, internal focus design, waterproof, nitrogen filled, submersible to one meter, magnesium frame, rubber armor, rainguard and tethered objective lens covers, case and strap.



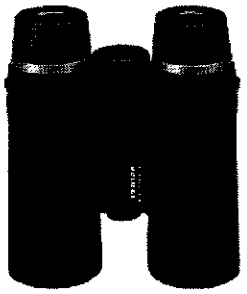
2A. 43mm DCF SP



2B. 32mm DCF SP

2C. 50mm DCF SP

3. 42mm DCF WP II



4. New 42mm DCF HRc

3. DCF WP II Series — Ready for long hours

Rough trails ahead? Leave all worries behind. Choose a DCF WP II for hours of tireless viewing through binoculars that test high for durability. From sunup to sundown, and every hour in between, you'll enjoy bold, crisp views through easy handling binoculars with a convenient center focus system, custom fit eyecups, and low weight.

Pentax DCF WP II Features:
Phase corrected, fully multi-coated super-reflective coated, twist-up four-stop eyecups, internal focus design, waterproof, nitrogen filled, submersible to one meter, rubber armor, rainguard and objective lens caps, padded case and neck strap.

4. New DCF HRc — Smooth handling for birders

No surprises here, the new DCF HRc models are sure to please birders. Pentax takes high optical quality and serves it up in two popular configurations. The 8x42 is a favorite for general observation, and the 10x42 has the power needed for scanning distant ridges for raptors and other wildlife. High performance has a new name this season, and it comes in the form of the HRc binoculars — working hard with ruggedness you can count on to weather any storm!

Pentax DCF HRc Features:
Phase corrected, silver-deposited prisms, fully multi-coated optics, waterproof, fogproof, fiber-reinforced polycarbonate body, rubber armor, rainguard, objective lens covers, case and neck strap.

5. 25mm UCF WP

6. 21mm Papilio

5. UCF WP Series — A great traveler in and out of water!

If you value compactness and durability pick up the UCF WP binoculars. The dual axis, unibody design keeps the optical barrels properly aligned for refreshing views. Even when paddling in white water you can tip your canoe continuously and not ruin your trip with these waterproof models in hand. Aspherical lenses along with fully multi-coated optics and BaK-4 glass prisms deliver brighter, more colorful images, even in dimmer light.

Pentax UCF WP Features:
Fully multi-coated, Bak-4 prisms, aspherical lenses, internal focus design, pop-out diopter adjustment knob, waterproof, submersible to one meter, eyepiece covers, case and neck strap.

6. Papilio — The extreme close focus pocket

The Papilio, named for the swallowtail, will draw you to clear views of butterflies from little more than a foot away with its unique Convergent Lens Optical System Engineering (C.L.O.S.E.) — packing just the right amount of power for taking in fine details at art exhibits, museums, concerts and plays, too.

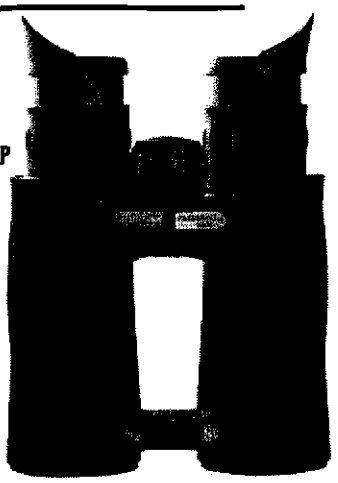
Pentax Papilio Features:
Fully multi-coated, BaK-4 prisms, twist-up eyecups, rubber armor, eyepiece covers, case and neck strap.

	DCF ED				DCF SP				DCF WP II		DCF HRc		UCF WP		Papilio	
	8x32	8x43	10x43	10x50	8x32	8x43	10x43	10x50	8x42	10x42	8x42	10x42	8x25	10x25	6.5x21	8.5x21
Eye Relief	17mm	22mm	17mm	22mm	17mm	22mm	17mm	22mm	22mm	17mm	21mm	18mm	15mm	15mm	15mm	15mm
Close Focus	4.9'	6.6'	11.5'	11.5'	4.9'	6.6'	6.6'	11.5'	8.2'	8.2'	8.2'	8.2'	6.2'	6.2'	1.6'	1.6'
Field of View (1000 Yards)	393'	330'	315'	261'	393'	330'	315'	261'	330'	315'	393'	315'	324'	261'	393'	315'
Height	5.0"	5.7"	5.7"	6.7"	5.0"	5.7"	5.7"	6.7"	5.7"	5.7"	5.0"	5.7"	4.3"	4.4"	4.5"	4.6"
Width	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.2"	5.2"	4.6"	4.6"	4.3"	4.3"
Weight	23.5 oz	25.2 oz	25.8 oz	30.2 oz	23.2 oz	24.5 oz	25.0 oz	29.6 oz	28.2 oz	28.2 oz	23.6 oz	23.3 oz	12.3 oz	12.3 oz	10.2 oz	10.2 oz

Steiner Binoculars

Count on over 50 years of experience with designing and producing binoculars for great adventures in the outdoors.

Steiner Peregrine XP — Delivering brilliant colors and incredible views
Broadband multi-coatings and dielectric mirrors, boasting over 40 layers of coatings, deliver brilliant colors and high resolution for incredible viewing. When applied to the larger 44mm objective lenses (nearly 10% larger than a 42mm lens), Steiner guarantees you amazing details and wide-field viewing with the Peregrine XP binoculars.



1. 44mm Peregrine XP

1. Steiner Peregrine XP — Designed for the Serious Outdoor Enthusiast
Steiner dedicates their newest and latest line of premium class high performance binoculars to you — the serious birders, scientific explorers and hunters of the world. Steiner also aims to provide the ultimate in viewing comfort and optical performance no matter how rough the field situation. That's why the lightweight, waterproof Peregrine XP binoculars also feature extra-long eye relief for pleasing views, whether or not you wear eyeglasses. As a bonus feature, the Peregrine XP binoculars come with interchangeable, ergonomic profiled rubber eyecups. Gel-filled grip and thumb pads (embedded in the armor) add a considerable amount of grip and holding comfort. The unique body design and smooth focus of the Peregrine XP binoculars let you move in on distant wildlife fast!

Steiner Peregrine XP Features:
High resolution glass with broad-band transmission optical coatings, coated dielectric mirrors, waterproof, nitrogen filled, rubber armored, interchangeable rubber eyecups, rainguard, strap, tethered objective lens covers, deluxe custom case. Steiner 30-year limited warranty.

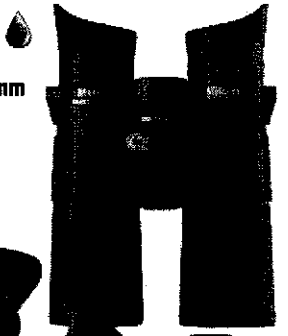
1A. 8x44 Peregrine XP
Take advantage of the extremely versatile viewing power of these 8x44 binoculars.

1B. 10x44 Peregrine XP
The long-range reach of the powerful 10x44 Peregrine XP binocular proves to be a real pro at delivering fine details from great distances.

2A-B. Peregrine — Lightweight, steady power
Packed with such features that are valued by wildlife enthusiasts and hunters, the Peregrine binoculars deliver more telling details in even the most difficult viewing situation. When birds and other wildlife hide in the shadows, the Peregrine reaches out and brings them sharply into focus with just one turn of the wheel. Plus, soft angled eyecups keep distracting light out of your eyes on bright, sunny days and fold back for wonderful viewing with eyeglasses.

Get peak optical performance with natural colors from Steiner's Peregrine binoculars, featuring High Definition (HD) glass and broadband coatings for optimal light transmission. Built according to military specifications, you can rely on the new Peregrines to stay absolutely sealed for non-stop use whether you face the challenges of a spring rainstorm or a winter blizzard.

2A. 42mm Peregrine



3A. 50mm Merlin

3B. 42mm Merlin

2B. 50mm Peregrine

3C. 32mm Merlin

3A-C. Merlin Series — Blending with nature
If you are a naturalist or birder, the Merlin series has much to offer you! Benefit from the experience of Steiner Optik's championship birding team, and the experts at the American Birding Association, who worked at developing binoculars to suit every viewing situation.

Imagine moving through dew-soaked grasslands with the waterproof Merlin binoculars in hand. Your grip on the rugged armor is secure as you move in silence for incredible up-close glassing. You're not giving your whereabouts away ... and neither does the earthy brown armor of these Merlin binoculars. The unique exterior was especially formulated to absorb light, not reflect it, so these binoculars become practically transparent to the animals you track.

From the compact 8x32 to the full sized 10x50 binocular, you'll get the power you've been looking for with the Merlin line of binoculars!

Steiner Merlin Features:
Phase corrected, fully multi-coated optics, winged rubber eyecups, waterproof, rubber armor, rainguard, tethered lens caps, carry case, neoprene strap. Steiner 10-year warranty.

Steiner Peregrine Features:
High Definition glass, broad-band transmission optical coatings, waterproof, nitrogen filled, winged rubber eyecups, rainguard, strap, tethered objective lens covers, deluxe custom case. Steiner 30-year limited warranty.

	Peregrine XP		Peregrine			Merlin				
	8x44	10x44	8x42	10x42	8.5x50	8x32	10x32	8x42	10x42	10x50
Eye Relief	20mm	20mm	20mm	20mm	20mm	15mm	16mm	19mm	18mm	18mm
Close Focus	6.5'	6.5'	5.9'	6.9'	6.5'	8.9'	8.9'	6.9'	7.9'	8.0'
Field of View (1000 Yards)	390'	328'	367'	295'	306'	336'	294'	342'	274'	264'
Height	7.4"	7.4"	6.4"	6.4"	7.3"	5.5"	5.5"	6.4"	6.4"	7.3"
Width	4.5"	4.5"	5.2"	5.2"	5.2"	5.2"	5.2"	5.2"	5.2"	5.2"
Weight	30 oz	30 oz	24 oz	25 oz	30 oz	20 oz	20 oz	23 oz	24 oz	26 oz

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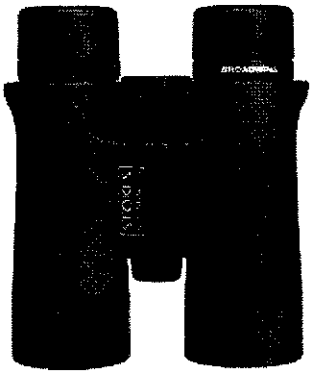
Stokes Birding Series

STOKES BIRDING SERIES

Vortex Optics makes the Stokes Birding Series binoculars for educators Don and Lillian Stokes — known as America's "first family of birding" and trusted for more than 25 years as authorities on birds. Vortex VIP transferable warranty.

1. The Stokes 42mm DLS



2. The Stokes 42mm Broadwing

3. The Stokes 42mm Talon

4. 8x25 Meadowlark

1. The DLS Binoculars — Conceived, designed, endorsed by and for birders
See why so many birders love the Stokes DLS. The superior balance and feel of these binoculars makes holding them to your eyes an almost effortless experience. Passionate bird watchers will be surprised by their amazing brightness — pulling in extra light for better viewing on those cloudy late afternoons. The close focus of 4.5 feet allows you to enjoy intricate details and subtle color shadings ... images you won't soon forget! Combine the fast accuracy of the focus wheel with an excellent field of view adn following birds in flight becomes a much easier task.

Stokes DLS Features:
Phase corrected, silver coated prisms, twilight optimized fully multi-coated with XHR (eXtremely High Resolution) coatings, high-density prism glass, optical glass elements free of arsenic and lead, JIS Class 6 waterproofing and dust proofing, fog proof with nitrogen purging, tethered objective lens covers, rainguard, case, neck strap.

2. The Broadwing — Refining your view of nature
From butterflies at five feet to bison at five hundred, you'll be in a better position to watch wildlife in the dim light of day with a Broadwing. State-of-the-art multi-coatings on all lens surfaces team up with fine BaK-4 phase corrected roof prisms for bright, sharp scenes across the entire field. Head high above the timberline or out on the open prairie with complete confidence in the waterproof, fog proof nature of the Broadwings ... and prevail over rain, sleet, snow, and extreme temperature changes. Generous eye relief allows eyeglass wearers to take in more of the field of view. If you don't wear eyeglasses, the tapered multi-stop eyecups let you make adjustments for the greatest viewing comfort.

Stokes Broadwing Features:
Phase corrected, fully multi-coated, BaK-4 prisms, waterproof, O-ring sealed, nitrogen filled, multi-stop eyecups, polycarbonate chassis, rainguard, tethered objective lens covers, carry case, deluxe neck strap.

3. The Talon — For the rugged naturalist
Nature is full of surprises — and so are the Stokes Talon binoculars! Eye-catching value is yours with these phase corrected roof prisms ... featuring multiple coatings on the high-grade optics for brighter, crisper, and more colorful views of animals and landscapes. Pick up the Talons and range from as close as five feet then out to distant ridges, easily keeping sight of wildlife moving across the very generous field of view.

With the Talons you can be a bit risky in where you wander. Count on the tough waterproof and fog proof nature of the Talon binoculars to overcome the rigors of rough handling in harsh habitats.

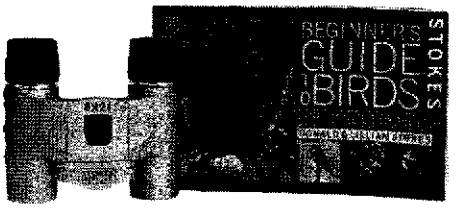
Stokes Talon Features:
Phase corrected, fully multi-coated, waterproof, rainguard, case and neck strap.

4. The Meadowlark — A fist full of power
This Stokes Birding Series compact is an excellent companion for both birding and travel, catching every detail from as close as five feet! Precision-cut BaK-4 glass prisms and fully multi-coated optics improve image sharpness, color and resolution for bright views throughout the day. Soft rubber eyecups retract for comfortable, full field views with eyeglasses. Lightweight and easily tucked in any pouch or pocket, the Meadowlark binoculars travel well and are durable. Let it rain or snow—you can head out with confidence.

Stokes Meadowlark Features:
Fully multi-coated, BaK-4 prisms, waterproof, O-ring sealed, nitrogen filled, soft carry case, neck strap.

5. Stokes Birding Kits — Travel light as a feather with 8x21 roof prisms
No matter where you roam, get started watching wildlife with these affordably-priced, water-resistant binoculars in hand. Multi-coated lenses bring you fine views of backyard birds, butterflies, and other wildlife along the path. The 8x21 binoculars in the Stokes Birding Kit come with a neck strap and protective carry case. Limited warranty.

Stokes Kit includes Stokes Beginner's Guide to Eastern or Western Birds
See ... then learn more about 100 birds found east or west of the Rockies. The compact beginner's guide is full of tips for attracting birds, but also covers voice, habitat, nests, eggs, incubation time, population trends, bird behaviors, birdhouse and feeder preferences, and much, much more. Brilliant full-color photographs of each bird species (including male and female if plumage differs) are arranged according to the color of a bird's plumage for quick and easy reference.

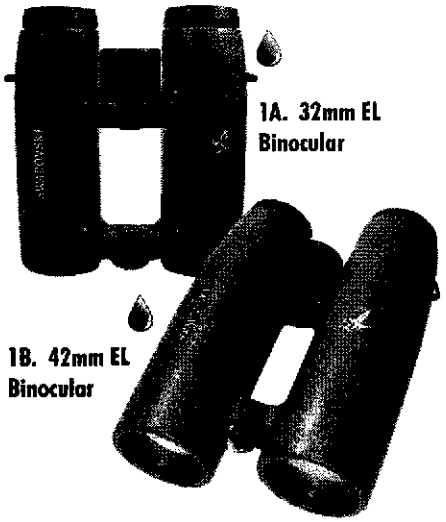


5. Stokes Eastern Birding Kit

	DLS		Broadwing		Talon		Meadowlark	Stokes Kit
	8x42	10x42	8x42	10x42	8x42	10x42	8x25	8x21
Eye Relief	18mm	17mm	18mm	16mm	18mm	16mm	18mm	8mm
Close Focus	4.5'	4.5'	5'	5'	4.5'	5'	5'	8'
Field of View (1000 Yards)	383'	308'	350'	330'	420'	345'	357'	383'
Height	5.5"	5.5"	6.0"	6.0"	6.0"	6.0"	4.8"	3.8"
Width	4.9"	4.9"	5.0"	5.0"	5.0"	5.0"	4.4"	2.5"
Weight	26.4 oz	26.4 oz	26.6 oz	26.2 oz	25.5 oz	25.0 oz	10.2 oz	6.0 oz

Swarovski Binoculars

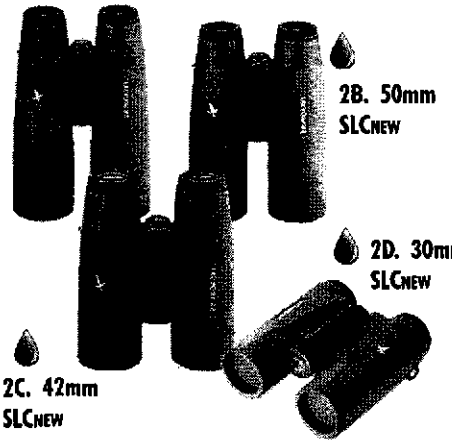
For over 100 years, the commitment of founder Daniel Swarovski to "constantly improving what is good" has guided this family-run company — including the protection of our environment. Swarovski limited lifetime warranty.



1A. 32mm EL Binocular

1B. 42mm EL Binocular

Swarovski EL Features:
Phase corrected, Swarobright mirror prism coating, twist-in eyecups, locking diopter, double-hinge design, magnesium housing, waterproof, nitrogen filled, hinged ocular cover, tethered objective lens cover, case and neck strap.



2A. 56mm SLCnew

2B. 50mm SLCnew

2D. 30mm SLCnew

2C. 42mm SLCnew

3. Swarovski Pockets — Absolutely rugged!

Here's one gem of a binocular. Ideal for any outdoor activities, these waterproof compact binoculars are a logical choice for hiking, biking, backpacking, kayaking ... and the list goes on! Even nights at the theatre are more sensational with views through these premium binoculars. Swarovski Pockets are top-quality binoculars with unsurpassed sharpness that absolutely satisfies your need for excellent color and fantastic brightness.

Swarovski Pocket Features:
Phase corrected, Swarobright mirror prism coating, waterproof, light alloy housing, rubber armor, case and neck strap. **Black or Green armor.**

Swarobright® Coating
This is an innovative coating technology that, for the first time, makes it possible to selectively control reflected light in the prism system. As a result, binoculars with Swarobright® coatings deliver 5-10% more light in the blue/green spectrum — some elements receive more than 30 extremely thin layers. This complicated procedure reduces reflections and controls all color spectrums to provide the highest light transmission, best contrast, sharpest resolution, and optimal color fidelity.

1. EL Binoculars — Light, bright and easy to carry

The fresh design of the EL optical system exemplifies the Swarovski tradition by bringing you images that are ultra-sharp, clear, and bright — rivaling the best. See the EL binoculars in action and enjoy exquisite, natural colors as Nature displays them! There's no doubt you can travel anywhere with the premium optics of the EL binoculars! Though rough weather and travels may be hard on you, count on the torsion-free twin-bridge construction of the absolutely rugged Swarovski EL binoculars to keep the axis parallel—and always view with confidence! By putting less effort into holding an EL, you'll tire less quickly and hold the image steadier—observing fine details that make viewing so enjoyable.

Is any habitat too extreme for Swarovski's EL binoculars? Let's see ...

- **100% functional reliability from -4° to +131° Fahrenheit.**
- **100% airtight construction even keeps dust from damaging the optics.**
- **100% waterproof performance and submersible to a depth of 13 feet.**
- **Nitrogen purged to prevent internal fogging.**
- **Rugged magnesium housing is extremely lightweight.**

1A. 32mm EL

Pick up exceptional views of birds and butterflies from as close as seven feet with the 8x32 EL, and follow their flight with ease — no matter how fast or erratic the pattern is! One of the lightest binoculars in the EL series, you'll not think twice about carrying the 10x32 binoculars on any field trip.

1B. 42mm EL

Swarovski brings you one of the best binoculars of all time—setting a standard for excellence! Open your eyes and look through these binoculars for absolutely amazing clarity of distant scenes. With an edge on power and light gathering ability over the 8x32 EL, these mighty binoculars are ideal for extended viewing into the twilight hours. The 10x42 EL binoculars bring you that perfect blend of power and size that works so incredibly well for western style hunting and general watching of wildlife. At the other extreme, you can sit back and enjoy critters scrambling around as close as eight feet away. What versatility!

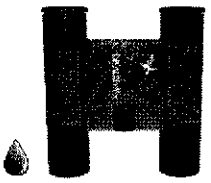
2A-D. SLCnew Binoculars — Upgraded lens coatings

The SLCnew binoculars have superb image quality you can count on for resolution, brilliance and color fidelity that ranks among the finest available. A 3-part objective lens allows for outstanding light transmission — giving you very bright views ... even when light conditions are poor. Distinctive lens and prism coatings, adjusted in this new model to improve color and further reduce reflection, are hard at work to bring crystal clear details and pure colors into complete compliance with Mother Nature's exacting palette.

Viewing at twilight never was better than it is today with the upgraded lens coatings on the SLCnew binoculars. Now lighter in weight and textured like Swarovski's ELbinoculars, you'll be thrilled with changes in Swarovski's SLCnew binoculars—including deeper thumb grooves for more secure handling. The large center focus responds well with quick, precise fine-tuning even when you need to wear heavy gloves.

You'll be able to move from one temperature extreme to the other and from dry to wet conditions without concern for internal fogging or damage to your SLCnew binoculars. In fact, these SLCnew binoculars are so waterproof that if you dropped them in a lake, they'd be watertight to a depth of 13 feet. You could dive down and get them, but why not make your life easier and just attach the floatation strap!

Swarovski SLCnew Features:
Phase corrected, Swarobright mirror prism coating, Swarobright interference mirror prism coatings, twist-up eyecups, locking diopter, large center focus, waterproof, nitrogen filled, tripod adaptable*, hinged ocular cover, tethered objective lens cover, case and neck strap. *Free tripod adapter included with 15x56 model.



3. Swarovski Pockets

	EL				SLCnew						Pockets	
	8x32	10x32	8.5x42	10x42	8x30	7x42	10x42	10x50	8x56	15x56	8x20	10x25
Eye Relief	15mm	12mm	18mm	15mm	15mm	19mm	14mm	17mm	22mm	13mm	13mm	13mm
Close Focus	7'	7'	8'	8'	13'	13'	13'	16'	30'	26'	13'	16'
Field of View (1000 Yards)	420'	360'	390'	330'	408'	420'	330'	336'	345'	231'	345'	285'
Height	5.4"	5.4"	6.5"	6.2"	5.0"	6.5"	5.8"	7.7"	8.5"	8.5"	4.0"	4.6"
Width	4.5"	4.5"	4.8"	4.8"	4.5"	4.8"	4.8"	5.0"	5.0"	5.0"	3.7"	3.7"
Weight	21.5 oz	21.2 oz	28.9 oz	27.5 oz	20.8 oz	33.5 oz	30.7 oz	40.9 oz	43.7 oz	45.5 oz	7.6 oz	8.1 oz

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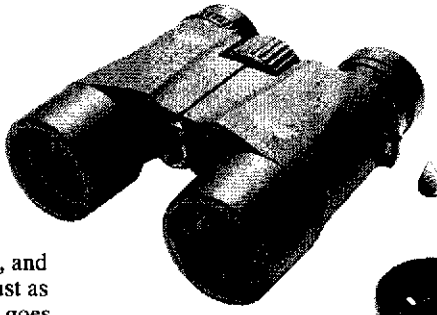
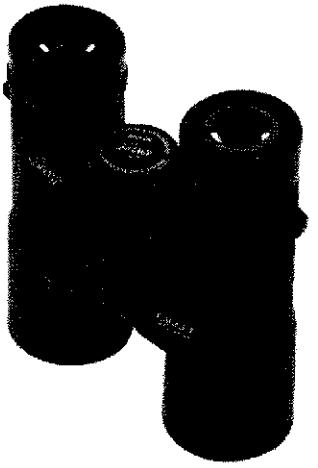
Swift Binoculars

Professional ornithologists and casual backyard birders benefit from nearly 80 years of Swift's optical experience. SwiftPremier Twenty Five Year warranty.



1A. New 36mm Eaglet



1B. New 42mm Eaglet

1A-B. New Eaglet Series — Extraordinary vision within your grasp!
Nature is full of surprises, so be prepared with a most dependable choice. The lightweight Swift Eaglet is ideal for birders, butterfly watchers, anglers, and wildlife observers. When you head out with an Eaglet binocular, you'll be just as prepared for an unexpected splash of waves as a shower of raindrops. Swift goes above and beyond with their prism coating technology that increases reflective performance up to 99.8% for especially bright views of wildlife:

- **Kellner Ocular System and three objective lenses eliminate spherical aberration and reduce astigmatism for higher resolving power.**
- **Cold Fusion Technology protects the integrity of the prism surface by applying multiple coatings to roof prism surfaces without exposure to high temperatures.**
- **Phase correction provides sharper, higher contrast images.**
- **Fully multi-coated optics increase light transmission for brighter images.**

Swift Eaglet Roof Prism Features:
Phase corrected, Cold Fusion Technology (CFT), Kellner ocular system, fully multi-coated optics, waterproof, fogproof, rubber armored, rainguard, tethered objective lens covers, padded field case, neoprene neck strap.

2. 42mm Ultra Roof Prisms

2. Ultra Series — Comfortable viewing for hours
Now available in a rugged roof prism design, these Ultra binoculars give you a sure grip while running between raindrops. Take in distant landscapes, but explore the world nearby, too. An Ultra lets you focus in as close as six feet — opening up a whole new world of sparkling clear views to you!

Swift's patented ergonomic design works well with the unique dual-density armor to absorb shock and reduce fatigue: the hard rubber exterior guards against unexpected bangs and softer interior rubber cushions your hands for extra comfort. Eyecups twist up and down to put you in control of choosing the most satisfying distance for enjoying the full field of view and a non-slip focus knob lets you focus in on critical details with ease, even when wearing gloves.

Swift Ultra Roof Prism Features:
Phase corrected, fully multi-coated, BaK-4 prisms, twist-up eyecups, waterproof, nitrogen purged, rubber arm, tripod adaptable, rainguard, objective lens covers, case and neck strap. **Black with Blue, Green or Grey accents.**

3A. Audubon Porro Prism — Improving popular binoculars for watching wildlife
How? The Swift Audubon 8.5x44 ED binoculars are even sharper and closer in color to nature's palette than the original Swift 8.5x44 binoculars. When internationally famous ornithologists came up with a wish list of features for binoculars, Swift came up with the world famous Audubon Porro prism binoculars ... still popular for the extraordinary value they offer to birders and nature enthusiasts everywhere. From dry and dusty desert habitats to misty realms of dense forest cover, the Swift Audubon binoculars have proven themselves over and over again.

Following migrating songbirds, waterfowl on the wing, and wildlife on the run is all the easier with the wide 430-foot field of view of Swift's Audubon. Even if you wear eyeglasses, you'll enjoy the panoramic views. And what about the extra magnification? The boost to 8.5x from 8x is just enough for the greater detail recognition you often need — without compromising a steady image.

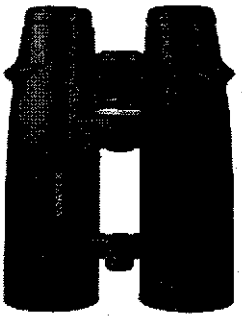
Swift Audubon Porro Prism Features:
ED or standard glass, 5-lens ocular system, BaK-4 prisms, fully multi-coated optics, waterproof, fogproof, magnesium chassis, rubber armored, pop-and-lock eyecups, eyepiece covers, objective lens covers, padded hard carry case, woven neck strap.

3. 8.5x44 Audubon Porro Prism

	Eaglet Series			Ultra Series		Audubon Series Porro Prisms	
	7x36	8x42	10x42	8x42	10x42	8.5x44ED	8.5x44
Eye Relief	16mm	20mm	18mm	19.5mm	16mm	16mm	16mm
Close Focus	5.9'	6.5'	6.5'	6'	6'	10'	10'
Field of View (1000 Yards)	374'	372'	261'	341'	314'	430'	430'
Height	5.5"	5.5"	5.5"	6.0"	6.0"	5.5"	5.5"
Width	4.8"	4.8"	4.8"	5.0"	5.0"	7.5"	7.5"
Weight	20.6 oz	23.4 oz	23.6 oz	24.0 oz	24.0 oz	24.0 oz	24.0 oz

Vortex Binoculars

Vortex Optics puts a high priority on value with rugged binoculars packed with features expected by birders and wildlife watchers. Vortex VIP unlimited, unconditional warranty.



1. New 50mm Razor Binocular

Each Razor comes with standard eyecups and interchangeable side shields to block stray light and provide views as free from glare in sunshine as in shadow.

X factor power from dawn to dusk

- **XD (Xtra-low Dispersion) glass objectives bring you truer color, finer resolution and detailing.**
- **XR multi-layer coatings increase resolution and light transmittance for superior details at all times of the day.**

Argon Gas Purging

Internal fogging of lenses is eliminated by replacing moist, atmospheric air with either nitrogen or argon gas. However, argon gas purging takes fogproofing to a whole new level. Argon gas is highly prized because it guarantees performance far beyond the norm by not absorbing or reacting chemically with water. In addition, argon gas maintains its protective properties over a wider range of temperatures and does not diffuse as quickly as other elements. The end result? Binoculars are less susceptible to corrosion — extending the service life of the optics much longer.

1. New Razor Binoculars — On the cutting edge of optics!

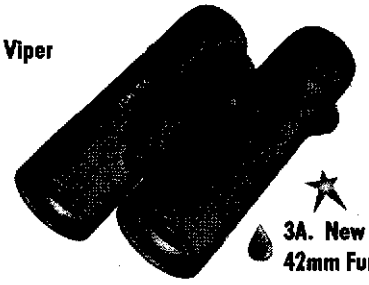
You'll say "Wow!" the moment you look through a Razor. Delivering razor sharp optics and natural color, a Razor draws out critical feather details. Innovative by design, the Vortex Razors are winning admiration and approval from the most discriminating and demanding wildlife enthusiasts. Durability, dependability and ruggedness are hallmarks of Razor engineering. When you face the force of nature, the Razor gives you the power needed to overcome the most challenging viewing conditions.

- **Guaranteed protection against internal corrosion and fogproofing with argon gas purging.**
- **Tight seals exclude moisture and dust from affecting views.**
- **Stylish open hinge design handles extremely well, even when wearing heavy gloves.**
- **Center diopter locks in fine focus corrections for conveninet, easy handling.**
- **Rugged, lightweight chassis is easy to carry.**
- **Expertly cut, polished and silver-coated phase corrected roof prism surfaces**

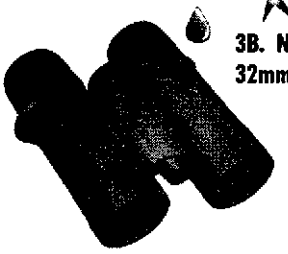
Vortex Razor Features:

XD glass objectives, patented XR multi-layered lens and prism coatings, phase corrected, twilight optimized lens coatings, highly polished and silver-coated phase corrected prisms, multi-step eyecups, center diopter, JIS Grade 7 waterproofing, JIS Grade 6 dust proofing (the highest rating), argon gas purged for fog proofing, ridged rubber armor, interchangeable eyecups with side shields, rainguard, tethered objective lens covers, padded deluxe storage case, weight-reducing neck strap.

2. 42mm Viper Binocular



3A. New 42mm Fury



3B. New 32mm Fury

3C. 28mm Fury

2. Viper Binoculars — Major performance with minimum weight

Rain. Snow. Dust. Real world viewing demands rugged binoculars — and nothing gets past a Viper! These high performance binoculars are perfect for active observing in rugged terrain. When daylight dims or shadows deepen, Viper optics have just what you need to pierce through low light and pull out fine details with high contrast. One of the best values in the field.

Vortex Viper Features:

XD glass objectives, patented XR multi-layered lens and prism coatings, phase corrected, JIS Grade 6 waterproofing and dust proofing, fog proof with nitrogen purging, ribbed rubber armored, soft multi-position tapered eyecups (re-inforced wtih metal), rainguard, tethered objective lens covers, deluxe padded carry case, deluxe contoured neck strap.

3. New Fury Binoculars — Sized for amazing views ... anywhere!

If you're looking to save on weight, but still demand excellent long-range performance, it's hard to beat a Fury. From compact to full size, the Fury series delivers a sure-fire combination of just the size and magnification with easy handling in the harshest weather. Exploding with optical power, you'll pierce through tangled brush and discover that Eastern Towhee. The Fury shows you intricacies that count! We're sure you'll be boasting about more than the wildlife when you come in from viewing with the Fury binos!

3A. 42mm Fury Binoculars

Even as daylight dims and shadows deepen, you can plan on staying out a bit longer with the rewards of brighter images. Deluxe 5-element eyepiece focuses light for extremely bright, sharp, color-correct images.

3B. 32mm Fury Binoculars

Step down in size, but don't cut back on quality. The 32mm are in the same league as the 42mm Fury with 5-element eyepieces, silver-coated prisms and XR multi-coatings for superior details.

3C. 28mm Fury Binoculars

Gathering more light than possible through the typical pocket model, the 28mm Fury binoculars deliver the outstanding views you need — without weighing you down! Plus, a single hinge design makes these rugged compacts incredibly easy to handle with just one hand.

Vortex 42mm and 32mm Fury Features:

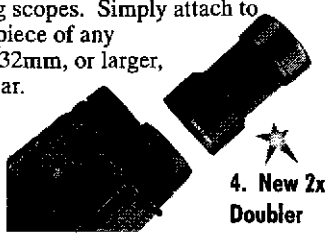
XR fully multi-coated, phase corrected, 5-element eyepiece, silver-coated prisms, waterproof, fogproof with argon gas, rubber armored, tapered multi-step eyecups, center locking diopter, rainguard, tethered objective lens covers, soft carry case and comfort neck strap.

Vortex 28mm Fury Features:

Phase corrected, fully multi-coated optics, waterproof, fogproof with nitrogen gas, rubber armored, retractable eyecups, click-stop diopter, rainguard, deluxe padded carry case and comfort neck strap.

4. New Vortex 2x Doubler

Keep the total weight of your gear low, and pack the pocket-sized 2x Doubler for high-power views that compete with many spotting scopes. Simply attach to the eyepiece of any Vortex 32mm, or larger, binocular.



4. New 2x Doubler

*Specifications to be finalized.	Razor					Viper			Fury						
	8x42	10x42	8.5x50	10x50	12x50	8x42	10x42	12x42	8x28	10x28	6.5x32*	8x32*	10x32*	8x42*	10x42*
Eye Relief	18mm	16mm	18mm	17mm	17mm	20mm	16.5mm	15.8mm	20mm	19mm	21mm	17mm	15mm	21mm	16mm
Close Focus	8.2'	8.2'	9.8'	9.8'	9.8'	5.1'	5.1'	5.1'	9.7'	9.7'	4.9'	4.9'	4.9'	4.9'	4.9'
Field of View (1000 Yards)	410'	325'	358'	329'	274'	342'	319'	267'	319'	267'	436'	409'	346'	357'	336'
Height	6.5"	6.5"	7.2"	7.2"	7.2"	5.8"	5.8"	5.8"	4.7"	4.7"	5.0"	5.5"	5.5"	6.0"	6.0"
Width	5.5"	5.5"	5.8"	5.8"	5.8"	5.3"	5.3"	5.3"	4.5"	4.5"	5.0"	5.0"	5.0"	5.0"	5.0"
Weight	29.4 oz	29.8 oz	37.0 oz	37.4 oz	37.4 oz	23.8 oz	23.4 oz	23.2 oz	11.8 oz	12.0 oz	21.0 oz	21.0 oz	21.0oz	26.6 oz	26.2 oz

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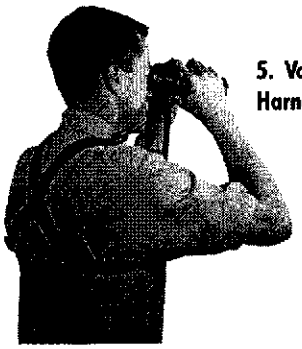
VORTEX



5. Vortex Binocular Harness Strap

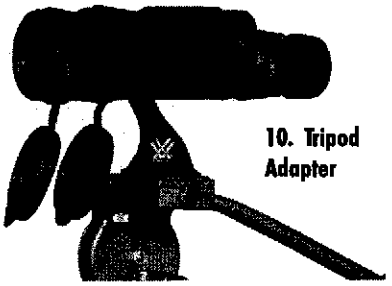
5. Vortex Binocular Harness Strap
Keep your binocular from jostling around as you hike with this comfortable accessory — strap spreads binocular weight across your neck and shoulders.

7. Vulture Binoculars — A big performer
Soar to a higher plateau of performance, and feast on broad, bright scenes through the high power of a Vulture binocular. Even as the sun dips toward the horizon, the Vulture feeds your need for fine details at a distance with bright images that carry on from one edge of the field to the other.

Like an eagle in the high country, you've got to be ready for any weather ... and you will be with the naturally rugged Vultures. Tight seals with nitrogen purging actively fend off rain and snow, keeping internal lenses free from fogging in extreme temperature changes. And when you're out in cold, wet weather, checkered ridges in the rubber armor give you solid handling and a secure grip you can depend on!

- **8.5 x 50: bright images while scanning in low light.**
- **10 x 50: steady images with extra viewing power.**
- **12 x 50: tremendous viewing power and tripod mountable for greater stability.**

Vortex Vulture Features:
Phase corrected, fully multi-coated, BaK-4 prisms, retractable tapered eyecups, waterproof, O-ring seals, nitrogen purged, ridge rubber armor, rainguard, tethered objective lens covers, custom molded high-impact case, comfort neck strap. **Vortex Green or Coyote Brown armor.**



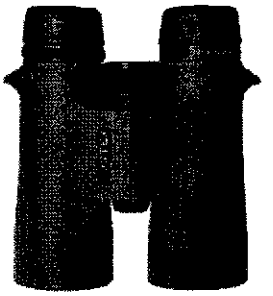
10. Tripod Adapter

10. Vortex Tripod Adapter
Get more viewing power out of your binos! The Vortex tripod adapter is the link you need to mount your binoculars on a standard tripod or car window mount for steadier views a reality at the highest possible magnifications.

6. Diamondback Binoculars
Pulling the widest field around!
Not only do the Diamondbacks boast the widest field of view around, their fine optics pierce through dark, shadowy areas with bright, steady views. Taking their lead from the Diamondback's namesake, these rugged binoculars are striking in how well they detect subtle colors. Durable twist-and-lock eyecups are built on a solid frame — soft and tapered for a most natural fit. And, as you would expect, the Diamondbacks are waterproof and fogproof for rock solid performance.

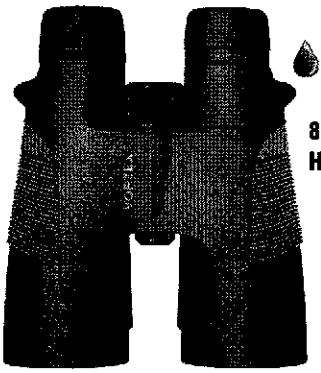
Vortex Diamondback Features:
Phase corrected, fully multi-coated, BaK-4 prisms, twist-and-lock tapered eyecups, waterproof, O-ring seals, nitrogen purged, ridge rubber armor, rainguard, tethered objective lens covers, custom molded high-impact case, comfort neck strap. **Vortex Green or Coyote Brown armor.**

Unconditional Unlimited Warranty



6. New 42mm Diamondback Binocular

7. New 8.5x50 Vulture



8. New 15x63 Hawk Owl

8. Hawk Owl Binoculars
— Sharp optics for real adventures
Heading out in the grey light of early morning won't be a challenge with a Hawk Owl in hand — this is the light in which these binos do their finest work. The new 15x63 Hawk Owl works especially hard for glassing distant ridges with the power of a spotting scope. Built tough to handle the worst weather, the Hawk Owls let you keep going even as biting temps gnaw at your fingers. Sporting a low weight that is rare among binoculars of this size, you'll prize the easy handling of these oversized binoculars for long hours in the field ... from first light to last!

Vortex Hawk Owl Features:
Phase corrected, fully multi-coated, BaK-4 prisms, twist-up eyecups, waterproof, nitrogen purged, ridged rubber armor, rainguard, tethered objective lens covers, padded case, comfort neck strap.

9. New 28mm Hurricane Pockets — Not to be judged by size!
Just because the Hurricane is small doesn't mean you have to baby it! Vortex armors this lightweight compact with everything needed to stand up against the rain you're sure to face as a birder. Boasting the clear views you'll want in the light of early morning or late evening, the 28mm Hurricane delivers more than meets the eye — being unusually bright for its size! Featuring steady, easy-to-handle 8x magnification, these go-anywhere binoculars are destined for lots of action!

Vortex Hurricane Features:
Phase corrected, fully multi-coated, twist-up eyecups, waterproof, nitrogen purged, rubber armor with diamond pattern in grip areas, rainguard, tethered objective lens covers, deluxe padded carry case, comfort neck strap. **Vortex Green or Coyote Brown armor.**

9. New 28mm Hurricane

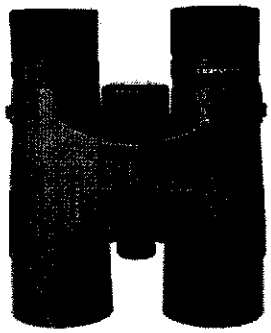
*Specifications to be finalized.	Diamondback 8x42	Diamondback 10x42	Vulture 8.5x50	Vulture 10x50	Vulture 12x50	Hurricane 8x28	Hurricane 10x28	Hawk Owl 8x56*	Hawk Owl 9x63*	Hawk Owl 15x63*
Eye Relief	18mm	16mm	[illegible]	[illegible]	[illegible]	19.3mm	16.0mm	[illegible]	17mm	16mm
Close Focus	4.5'	5.0'	[illegible]	[illegible]	[illegible]	13.1'	13.1'	[illegible]	6.5'	7.80'
Field of View (1000 Yards)	420'	345'	[illegible]	[illegible]	241'	360'	300'	346'	278'	214'
Height	5.9"	5.9"	6.5"	6.8"	6.8"	4.8"	4.8"	6.8"	6.8"	6.8"
Width	5.6"	5.6"	5.36"	5.8"	5.8"	4.5"	4.5"	6.5"	6.5"	6.5"
Weight	25.2 oz	24.4 oz	31.0 oz	31.0 oz	31.0 oz	14.0 oz	14.0 oz	34.0 oz	39.0 oz	39.0 oz

11. Crossfire Binoculars — Get started right!

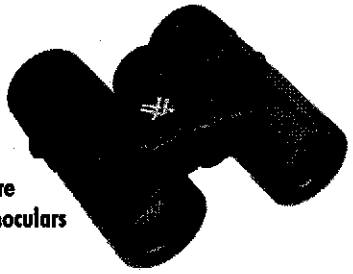
Brace yourself for bright, true images and overpowering value with a Crossfire binocular! You can count on the full force of light-grasping 42mm objective lenses to pick out wildlife rustling through the woods from sunrise to sundown.

Count on the power of relaxed viewing as you venture out with the Crossfire binoculars. Tapered eyecups conform more naturally to the shape of your eye and are trimmed with a soft rubber rim for a light touch and comfortable day long scanning. In addition, these eyecups retract smoothly for satisfying views with eyeglasses.

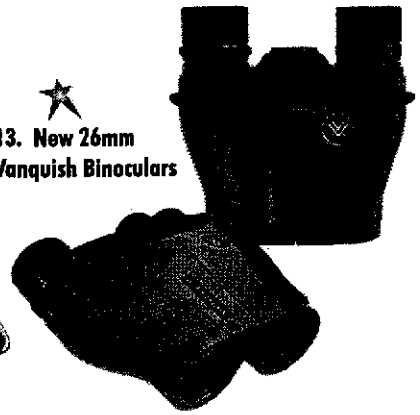
Vortex Crossfire Features:
Fully multi-coated, BaK-4 prisms, twist-and-lock tapered retractable eyecups covered with soft rubber, waterproof, O-ring seals, nitrogen purged, ridge rubber armor, rainguard, tethered objective lens covers, soft case, comfort neck strap.



11. 42mm Crossfire Binocular



12. Spitfire 32mm Binoculars



13. New 26mm Vanquish Binoculars

12. 32mm Spitfire Binoculars — Tough for the trail

Here's one great combination of small size and bright optics! A troubleshooter by nature, the mid-size of the Spitfire is ideal for daytime observation when you can get by with less than a full size binocular.

The Spitfire binoculars take up the challenge of rough handling and harsh weather with a completely waterproof shield against dust and water ... even to the point of keeping the internal lenses clear of fog with sudden temperature dips. Built on a rugged, reliable aluminum alloy frame, the 32mm Spitfires are lightweight, easy to handle, and destined for lots of action!

Vortex Spitfire Features:
Fully multi-coated optics, BaK-4 prisms, twist-up multi-position eyecups, waterproof, O-ring seals, nitrogen purged, aluminum alloy frame, rubber armor, rainguard, objective lens covers, soft case, and comfort neck strap.

13. New Vanquish Porro Prisms High in value

Thanks to a reverse Porro prism design using high density glass, the Vanquish compact delivers a bright, wide field that stays in sharp focus from near to far. Easy to use with just one hand, the Vanquish brings you high performance for a relatively low cost.

Vortex Vanquish Features:
Fully multi-coated optics, twist-up eyecups, waterproof, fogproof with nitrogen purging, rubber armored, rainguard, soft case, and comfort neck strap.

Vortex Fog Free Lens Cleaning System

Details on page 35.

Unconditional Unlimited Warranty

*Specifications to be finalized.	Crossfire 8x42	Crossfire 10x42	Spitfire 8.5x32	Spitfire 10x32	Vanquish 8x26	Vanquish 10x26
Eye Relief	19mm	16mm	16mm	15mm	15mm	16mm
Close Focus	6.0'	6.0'	5.0'	5.0'	7.6'	7.6'
Field of View (1000 Yards)	315'	315'	354'	319'	384'	327'
Height	6.0"	5.8"	4.3"	4.3"	4.8"	4.8"
Width	5.0"	5.0"	5.0"	5.1"	4.4"	4.3"
Weight	22.0 oz	21.6 oz	17.1 oz	16.9 oz	12.2 oz	12.2 oz

Eagle Optics on Location!

As supporters and sponsors of numerous birding and nature festivals, the Eagle Optics staff has the opportunity to attend many events throughout the course of the year. Though there are a lot of great things to be said about being a premiere internet and mail-order retailer for sport optics, we relish opportunities to meet our customers in person!

Bringing optics you can see for yourself!
Our staff brings a variety of binoculars and spotting scopes to these festivals. So, stop by our booth, say "hi", and check out the selection!

If there's ever any specific model you're interested in seeing, let us know. Simply call us and let us know what event you'll be attending — we're happy to help!

Visit Eagle Optics at a festival near you
For the latest list of birding and nature festivals around the country, follow the link to **Eagle Optics on Location!** at **www.eagleoptics.com**

VORTEX

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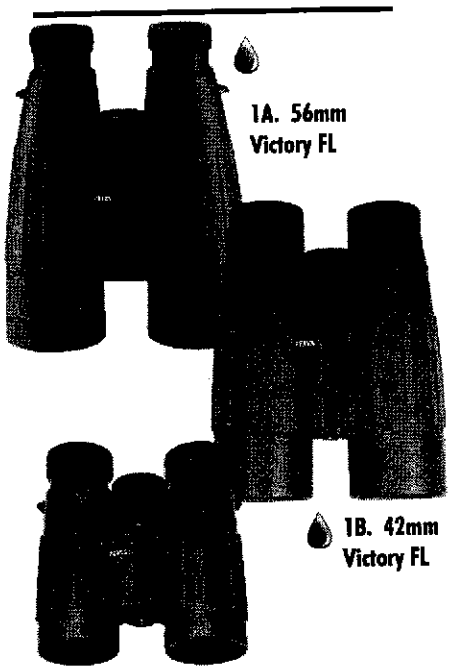
Z Zeiss Binoculars

ZEISS

An optical pioneer since 1846, Zeiss continues in the quest to build binoculars that respond to the needs of the most sophisticated user Zeiss limited lifetime transferable warranty.



1A. 56mm Victory FL

1B. 42mm Victory FL

1C. New 32mm Victory FL

Zeiss LotuTec™ and Optical Coatings
Zeiss Victory FL binoculars now feature LotuTec™ technology for even more brilliant views. LotuTec™ acts as a protective coating for the lens by repelling water, dirt and grease with a pearl-off effect. If the lens does happen to become soiled, the extremely smooth surface can be easily and quickly cleaned without smearing.

Zeiss proprietary T* optical coatings reduce internal reflection and greatly enhance the quality and amount of light reaching your eyes, aiding in image brightness, color fidelity, and contrast. The Victory FL binoculars also use the Zeiss Advanced Optical System (AOS) to increase optical performance while reducing weight and bulk. At the heart of this revolutionary approach is the lens — thinner at the center and made without lead or arsenic, so the production process is kinder to our environment.

1. Newly updated Victory FL Series — Setting a new standard with LotuTec™ technology

Dreaming of durable, yet light weight, perfectly balanced and easy-to-handle binoculars? Test the Zeiss claim to put perfection in the palm of your hand with the first class Victory FL binoculars. What are the cornerstones of their claim? Brilliant views of absolutely natural color without color fringing, large fields of view, extreme durability and a lightweight, ergonomic design. Simply put, Zeiss brings sensational image quality to a level you have to see to believe!

1A. 56mm Victory FL Series

Extend your viewing day well into the night with the light-grasping objectives of the 56mm Victory FL binoculars. Both models offer superior brightness at twilight.

1B. 42mm Victory FL Series

Ideal for countless applications from birding to outdoor recreation because wide fields, smooth handling, and absolutely natural color dominate the scene — even in poor light.

1C. 32mm Victory FL Series

Zeiss puts premium Victory FL quality in a compact size you can easily carry as you bird, watch wildlife, examine architectural masterpieces, and enjoy performances by athletes and artists.

Zeiss Victory FL Features:
Phase corrected, fluoride glass, T* multi-layer coating, Abbe-Koenig* prisms (42mm and 56mm only), twist-up eyecups lock at four settings, waterproof, nitrogen filled, glass-fiber reinforced magnesium housing, rubber armor, tripod adaptable, rainguard, tethered objective lens covers, cordura case and neck strap. *Schmidt-Pechan 32mm prisms with dielectric coating for total reflection and increased light transmission. **Black or Green armor.**

2. Victory Compacts — Fine ergonomics

These Zeiss pocket binoculars represent a peak in the evolution of small, lightweight binoculars. T* multi-layer coatings guarantee image brilliance, razor-sharp definition and outstanding color fidelity. High eye point eyepieces with lockable push-pull eyecups also let you enjoy the fullest field of view with glasses. Zeiss tops off these waterproof, dustproof compacts with an attractive black rubber covering for a firm, comfortable grip in the most extreme weather.

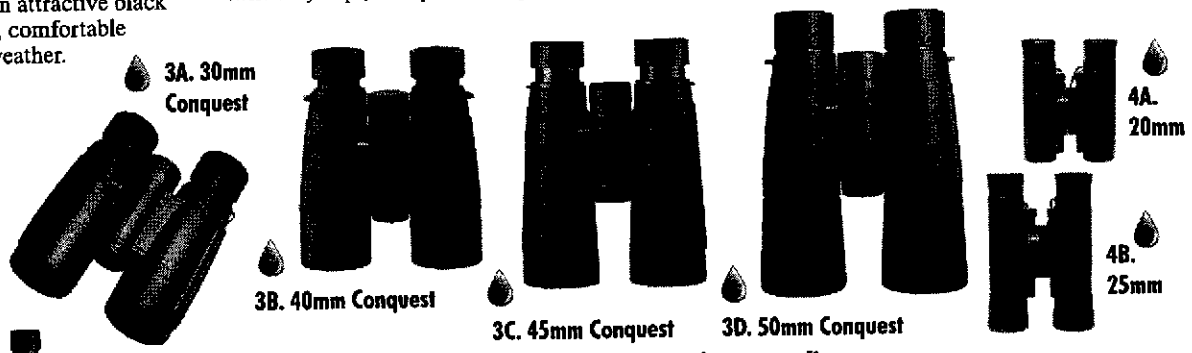
Zeiss Victory Compact Features:
Phase corrected, Pechan prisms, T* multi-layer coating, lockable push-pull eyecups, waterproof, nitrogen filled, glass-fiber reinforced synthetic housing, rubber armor, case and neck strap.

3A-D. Conquest Mid and Full Size Series — Lightweight binos for daylight viewing

Legendary Zeiss optics land solidly at an attractive price with the Conquest binocular series. Along with fine views, Zeiss carefully engineers these binoculars to keep the smallest drop of moisture away from the optics. Available in a wide range of sizes and magnifications, you can count on a Conquest for rich details throughout the day and well into the night.

- **30mm: Mid sized and lightweight for long hauls up steep mountain slopes or treks across vast open prairies.**
- **40mm: Popular for easy handling and fine viewing from sun up to sundown.**
- **45mm: Super powers for triumphant views of wildlife at long distances.**
- **50mm: Extremely bright for challenging low light situations.**

Zeiss Mid and Full Size Conquest Features:
Phase corrected, T* multi-layer coated, Pechan prisms (40mm and 50mm use Abbe-Koenig prisms), locking twist-in eyecups, waterproof, nitrogen filled, rubber armor, eyepiece cap, cordura pouch with belt loop, neck strap



3A. 30mm Conquest

3B. 40mm Conquest

3C. 45mm Conquest

3D. 50mm Conquest

4A. 20mm

4B. 25mm

2A. Victory 8x20 Compact

2B. Victory 10x25 Compact

4. Conquest Compact Series — Highly compact and waterproof!

The bright views of a Conquest compact come at a great value. Built with the ruggedness you demand for outdoor life, these Conquests are also compact and elegant enough for the opera. Folding down to the size of a cell phone, it's hard to think of a reason not to carry these along!

Zeiss Conquest Compact Features:
Phase corrected, T* multi-layer coated, Pechan prism, waterproof, case and neck strap.

	Victory FL Series							Victory Compacts	
	8x32	10x32	7x42	8x42	10x42	8x56	10x56	8x20	10x25
Eye Relief	16mm	16mm	16mm	16mm	16mm	16mm	16mm	14mm	14mm
Close Focus	6.5'	6.5'	6.5'	6.5'	6.5'	9.8'	9.8'	8.5'	13.1'
Field of View (1000 Yards)	420'	360'	450'	405'	330'	390'	330'	351'	285'
Height	4.6"	4.6"	6.5"	6.8"	6.8"	7.9"	7.9"	4.0"	4.7"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	6.2"	6.2"	3.8"	3.8"
Weight	19.8 oz	19.8 oz	26.1 oz	26.6 oz	27.0 oz	43.0 oz	44.0 oz	7.9 oz	8.8 oz

	Conquest Series									
	8x20	10x25	8x30	10x30	8x40	10x40	12x45	15x45	8x50	10x50
Eye Relief	14mm	14mm	15mm	15mm	16mm	15mm	14.5mm	14.5mm	16mm	15.5mm
Close Focus	9.8'	16.4'	9.8'	9.8'	9.8'	9.8'	16.4'	16.4'	18.5'	18.5'
Field of View (1000 Yards)	330'	264'	360'	288'	360'	315'	240'	192'	330'	288'
Height	4.0"	4.7"	5.6"	5.6"	5.6"	5.6"	6.8"	6.8"	7.8"	7.8"
Width	3.7"	3.8"	4.5"	4.5"	5.25"	4.5"	4.7"	4.7"	5.2"	5.2"
Weight	6.5 oz	7.1 oz	17.5 oz	18.0 oz	29.0 oz	29.0 oz	21.3 oz	21.9 oz	27.8 oz	32.0 oz

Monoculars for an easy carry!

1. Audubon 6x16 Monocular

Taking a walk need not be ordinary any longer with the Audubon monocular as your companion. Its incredible range of focus lets you catch the beauty of a fritillary landing nearby, or the brushwork of a fine painting from as close as 36 inches. You'll even enjoy architectural and landscape details that would escape your notice without the aid of this ultra-compact, feather-light pocket scope.

Audubon 6x16 Monocular Features:
Strap, carry case with belt-loop attachment. **Blue, Metallic, or Yellow finish.**

2. Eagle Optics 7x18 Insight Monocular

So you want to travel light? The Insight monocular is a perfect travel companion for closer looks at fine art, sculptures, and architectural details. Of course, the wide field of view makes locating birds and wildlife all the easier — bringing distant vistas seven times closer, too.

Eagle Optics Monocular Features:
Strap and soft pouch with belt-loop attachment. **Bluebird Blue, Cardinal Red, Goldfinch Yellow, Warbler Green, or Metallic finish.**

3. New Minox Macroscope

Here's a miniature telescope that fits neatly into the palm of your hand. The 8x magnification is great for watching birds and wildlife — a great travel companion for better viewing of architectural details, or the big event in a stadium or concert hall. The tough armor of the Macroscope goes to work against everyday wear and tear — battling rain showers as well as accidental dunks when canoeing. Plus, the Macroscope lets you enter the world of macro-viewing with a highly portable and compact mini-telescope!

Minox Macroscope Features:
Multi-layer coatings, waterproof, fogproof, rubber armored, twist-up eyecups, case and strap.

4A-C. Minox 6x16 and 8x16 Monoculars

Put a lightweight monocular to work wherever you need to see a good field of view. German engineers designed the slide lever focus so you can make easy adjustments with just one hand. In addition to the compact 8x16 size, the 6x16 comes with (16x16A) or without a built-in altitude meter (6x16).

Minox Monocular Features:
Multi-coated optics, case and strap.

5. Vortex Solo 8x25 Monocular

Go ahead and wade across rivers, push on through rain showers, brave blizzards and leave all your concerns for the Solo at the trail head. The lightweight Solo monocular is completely waterproof and fog proof, armored in rubber for a non-slip grip and protection from rough landings —packing all the power you need for safe, enjoyable adventures in the wilderness.

Vortex Solo Monocular Features:
Waterproof, nitrogen purged, rubber armor, case and neck strap.

6A-D. Zeiss DesignSelection Monoculars

Zeiss combines styling that's sophisticated enough for the theater and concerts with sure-fire mechanical and optical systems that excel in the field. Choose from one of four DesignSelection styles for the piece that best suits your needs:

4x12: The 4x12 Mono is a magnificent magnifier that is easy to use in anytime you need a closer look. *Draw tube focus.*

6x18: Consider using the mid-power 6x18 monocular for museum and stadium events. Its 366-foot field-of-view gives you a good perspective and a push-pull focus easily adjusts for stunning contrast and brilliant views. *Draw tube focus.*

8x20: The 8x20 DesignSelection monocular makes an ideal mini-telescope for people who travel, attend sporting events, or take in cultural events. *Diopter focus.*

10x25: Zeiss' biggest and brightest 10x25 monocular magnifies your view ten times and is a smart option for orienting yourself to distant landmarks or nearby views — complete with a handy lanyard. *Diopter focus.*

DesignSelection Monocular Features:
Zeiss P* and T* coatings, waterproof, case and strap.

7. Zeiss Conquest Mini Quick Monocular

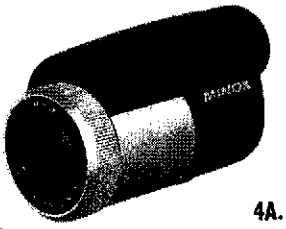
The 5x10 Mini Quick is a really a miniature magnifier and telescope in one piece. No larger than a fountain pen, it weighs less than a pocketknife so you can enjoy brilliant, highly contrasted views at all times. Take in the entire field in comfort with eyeglasses, too. Great for gifts!

Mini Quick 5x10 Features: T* multi-coatings, waterproof, leather pouch and built-in pocket clip.

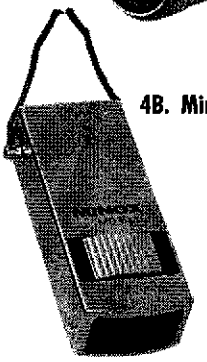
7. Zeiss Conquest Mini Quick

1. Audubon 6x16 Monoculars
Available in Blue, Yellow or Metallic finishes.

2. Eagle Optics Insight 7x18 Monocular

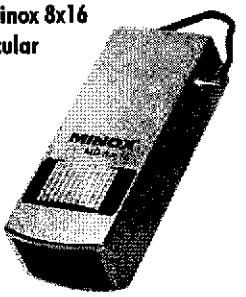


3. New Minox 8x25 Macroscope



4B. Minox 6x16

4C. Minox 6x16A (Altitude Meter)



4A. Minox 8x16 Monocular

5. Vortex Solo 8x25

4x12 6x18 8x20 10x25

6A-D. Zeiss DesignSelection Series

	Audubon	Eagle Insight	Minox			Vortex Solo	Zeiss Design Selection				Zeiss Conquest
	6x16	7x18	Macroscope	6x16	8x16	8x25	4x12	6x18	8x20	10x25	5x10
Eye Relief	8mm	8mm	12mm	14mm	14mm	16mm	16mm	16mm	16mm	16mm	16mm
Close Focus	3'	18'	1.2'	5'	5'	17'	1'	1'	9.8'	16.4'	13.1'
Field of View (1000 Yards)	473'	470'	342'	420'	368'	430'	552'	366'	345'	285'	300'
Length	2.3"	3.0"	3.6"	3.2"	3.2"	4.25"	2.8"	3.7"	4.0"	4.6"	4.5"
Width	1.1"	1.0"	2.2"	1.3"	1.3"	1.75"	1.1"	1.1"	1.3"	1.5"	0.6"
Weight	2.2 oz	1.8oz	5.3 oz	3.7 oz	3.7 oz	5.8oz	1.6oz	2.0oz	2.7oz	3.1 oz	.8oz

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Audubon Spotting Scopes

The officially licensed binoculars by Vortex for the National Audubon Society. Limited lifetime warranty on all Audubon spotting scopes.

1. 60mm Lightwave Spotting Scope

Lightweight and affordable!

Looking for a rugged, compact scope for easy hikes through your favorite natural areas? Keep your load light with Audubon's 60mm Lightwave. Audubon's Lightwave features fully multi-coated optics for sharp, color-correct views of every animal from feeder birds and diving ducks to deer in a nearby field. Use the integrated sunshade to reduce annoying glare for views that are just as satisfying as you zoom from 15x up to 45x.

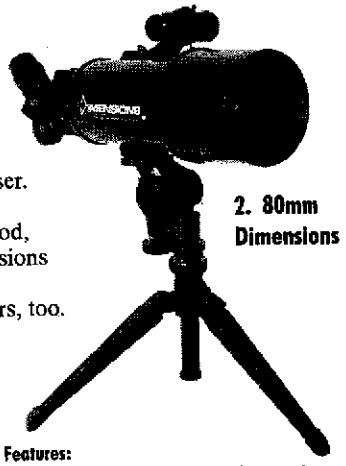
1. 60mm Lightwave

Audubon 60mm Lightwave Features:
15-45x eyepiece, fully multi-coated, waterproof, nitrogen purged, deluxe padded storage case, tabletop tripod.

2. 80mm Dimensions Spotting Scope

The Audubon Dimensions spotting scope is exceptional for astronomy and will increase your appreciation of the cycles of our moon, lunar eclipses, planets, and galaxy. The multi-coated optics and a fine lens system, using a large air-spaced doublet, work to deliver high contrast levels and excellent resolution in low light.

Use the low-power finderscope to point the Dimensions in the right direction, and then focus smoothly with the fast 1.25" rack and pinion focuser. Mounted on its portable tabletop tripod, you'll use the Dimensions for exciting views of birds and other critters, too.



2. 80mm Dimensions

Audubon 80mm Dimensions Features:
Standard astronomical eyepieces (20x and 45x), multi-coated optics, rack-and-pinion focuser, finderscope, built-in tripod adapter for mounting on standard photographic tripods, tabletop tripod, dew shield.

	Lightwave 60mm	Dimensions 80mm	
Eyepiece	15-45x	20x	45x
Eye Relief	18-15mm	14mm	8mm
Field of View (1000 Yards)	122-62'	90'	60'
Close Focus	50'	28'	28'
Weight	25.2 oz	55 oz	
Length	15"	15"	

Bushnell Spotting Scopes

Experience with binoculars dates back to 1947, and continues with contemporary spotting scope designs. Bushnell lifetime warranty.

1A-B. Elite 80mm Porro Prism Spotting Scopes

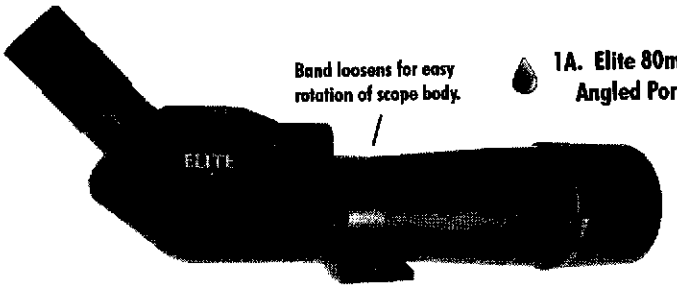
Bright ED glass pulls out fine details

The secret to appreciating life's big picture is in enjoying all the small pieces that go into it — and the Elite spotting scope delivers every glorious detail n matter how small.

These scopes are crafted with the finest materials, from ED Prime Extra-Lo Dispersion glass to premium BaK-4 Porro prisms. In plain English: you ca count on an Elite to provide amazing color fidelity and contrast, extraordina brightness, and the most distinct details possible, even in low-light conditior You won't miss a feather on a woodpecker's head or a snort of mist from the elk's nostrils ... assuming you want to see mist from a bull elk's nostrils!

Easy rotation of scope body

This feature on the 80mm Elite scopes makes sharing views with children so very easy with the angled eyepiece position. Instead of changing the height of the tripod, simply rotate the scope body so that the eyepiece faces downward. Also helpful when using a car window mount.



1A. Elite 80mm E Angled Porro P

1A. Elite 80mm ED Straight Porro Prism

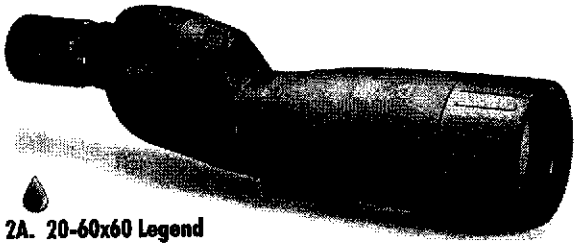
Bushnell Rainguard® Protection

Working hard to keep viewing at its best!

Bushnell 80mm Elite Features:
20-60x eyepiece, ED glass, BaK-4 Porro prisms, Rainguard®, waterproof, nitrogen se rubber armor, retractable sunshade, objective and ocular lens covers, black zippered view-through protective case.
Choose between Straight or Angled eyepiece positions.
Available Accessories: 22x and 30x eyepieces, Bushnell SLR/DSLR photo adapter, also compatible with Vortex large digiscoping adapter.

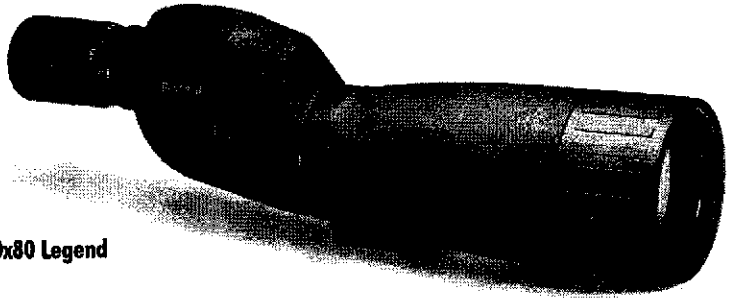
Bushnell Rainguard® Protection
Coated with Bushnell's unique Rainguard protection, moisture droplet bead up in smaller than normal sizes on the lenses of the Legend spott scope. By reducing how much light scatters, Bushnell makes sure you enjoy even brighter than normal views in the mist, rain and snow!

2. Legend Spotting Scopes — Go anywhere in any season!
Built on the legacy of the Bushnell Legend binoculars, the Legend spotting scope continues the series with optics wrapped in a solid, rugged housing that's ready for any condition. You really can travel anywhere, in any season, with the Legend™ as your companion. 100% waterproof and dust proof, the fog proof housing stands up against the harshest elements, and the rubber armor shields the housing from rough fieldwork. Extra-long eye relief means that every user can enjoy comfortable viewing — even when wearing eyeglasses.



2A. 20-60x60 Legend

Bushnell Rainguard® Protection
Reducing light scatter for brighter views when you're out in the mist.



2B. 20-60x80 Legend

Bushnell Legend Spotting Scope Features:
20-60x eyepiece, fully coated optics, BaK-4 Porro prism, Rainguard®, waterproof, fog proof, rubber armor, objective and ocular lens covers, soft carry case.

Hot Deals!

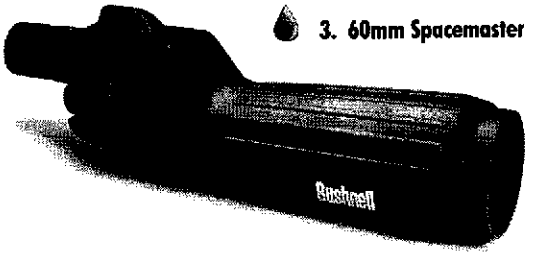
Take a closer look today ... or tonight!

www.eagleoptics.com/hot_deals.asp

2A. Legend 20-60x60 Spotting Scope
If you'll do the footwork, the Legend will do the rest! Bushnell makes the task of trailing wildlife as easy as optically possible with the bright, razor-sharp imagery of this 60mm spotting scope. The 20-60x60 Legend scope delivers precise, powerful field performance for an exceptional price.

2B. Legend 20-60x80 Spotting Scope
Ducks at dawn and deer at dusk just got easier to see with the largest of the Legend spotting scopes. A wonderfully sized 80mm objective pulls light through the 20-60x zoom range for amazing views of feather and fur. As with the Bushnell 60mm Legend spotting scope, this Legend™ delivers precise, powerful field performance for an exceptional price.

3. Spacemaster Spotting Scopes with a new look!
The beauty of this Spacemaster spotting scope lies in how the 60mm high resolution objective lens is able to feed brilliant, clear images to your eye through the zoom eyepiece. Roam where wildlife is free and master the challenges of nature with Bushnell's best-selling Spacemaster spotting scope. This classic favorite has a new armored look, and is more rugged than ever! Complete waterproofing guarantees fine viewing after enduring rain, sleet, and snow storms. Full fog proofing gives you the freedom to move out of the cabin, into the cold ... and not miss out on a minute of viewing.

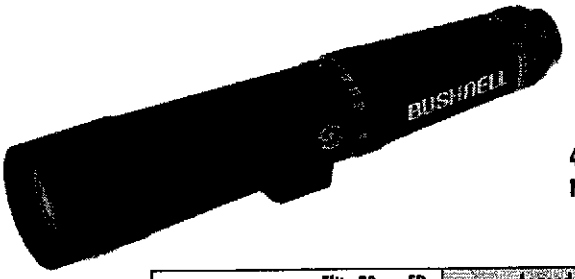


3. 60mm Spacemaster

Bushnell Spacemaster Spotting Scope Features:
15-45x eyepiece, fully coated optics, BaK-4 Porro prism, Rainguard®, waterproof, fog proof, rubber armor, objective and ocular lens covers, carry pouch.
Available Kits: Choose between the 20-45x60 or the 15-45x60 (Black or Camo armor) models. Kits include a compact tripod and backpack carry case.

4. Natureview Spotting Scopes
This spotting scope has a wide field of view and long eye relief for comfortable viewing while birding. As part of the Bushnell Birding Series, the Natureview was designed to enhance your enjoyment of the avian world. Set it up at home for fun views of cardinals feasting at your sunflower feeder, but take it to nature reserves for better views of less common birds in their natural habitats — the 15-45x zoom eyepiece will work well for you. A smooth rubber finish guards the scope body.

Bushnell Natureview Features:
Fully coated optics, built-in 15-45x eyepiece, photo adapter, rubber armor, objective and ocular lens covers, soft carry case.
Available Accessories: T-ring to match 35mm camera.



4. 15-45x60 Natureview

	Elite 80mm ED	Legend		Spacemaster		Natureview
		60mm	80mm	60mm		60mm
Eyepiece	20-60x	20-60x	20-60x	15-45x	20-45x	15-45x
Eye Relief	18mm	21mm	20mm	11mm	18mm	32mm
Field of View (1000 Yards)	98-50'	138-60'	109-52'	125-42'	90-30'	150-38'
Close Focus	15'	12'	12'	30'		30'
Weight	53.0 oz	34.3 oz	55.4 oz	43.0 oz		29.0 oz
Length	17"	14.3"	17.3"	12.7"		14"

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Eagle Optics Spotting Scopes

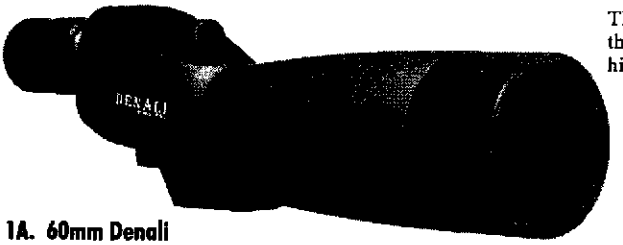
Building a reputation for unmatched customer service, and an exceptional selection of quality products at extremely competitive prices. Eagle Advantage limited transferable lifetime warranty.

1A-B. Denali Spotting Scopes
Ideal for the active hiker

Robust and field worthy, the 60mm Denali is made for exploring mountains, prairies, and any other natural space you find yourself in. Start panning distant horizons at 15x and zoom in at 45x for the critical details that complete the picture. You'll be pleased with the clearly defined views of the Denali. Pick up the Denali and enjoy a great value!

At less than 27 ounces, you'll be free to roam wherever you want—the Denali spotting scope won't ever be a burden. This small, lightweight scope packs up for grand adventures in the high country as well as casual wildlife watching at more local parks. A table-top tripod (included) is easy to use on decks and picnic tables — a nice addition for convenient viewing at home, too.

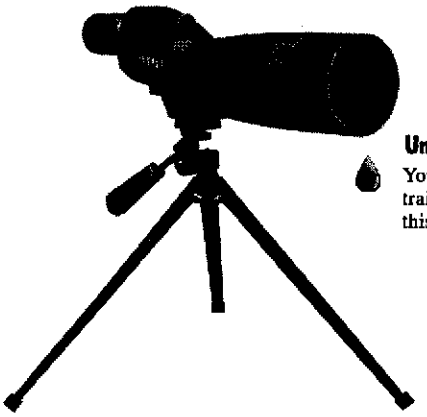
Choose the Denali and be ready for unexpected surprise on the trail. If you get covered with dust or soaked with rain, don't worry about the solidly built Denali — it is waterproof and fogproof. A view-through case protects the Denali from unwanted dings and shocks, too.



Bright, Bright Views
The Broadband coatings of the Denali guarantee bright, highly resolved images!

1A. 60mm Denali Straight

1B. 60mm Denali Angled



Unpack the box and take off!
You'll be ready to head down the trail with the Denali — comes with this handy tabletop tripod.

Eagle Optics Denali Spotting Scope Features:
Built-in 15-45x eyepiece, fully multi-coated lense Broadband coatings, BaK-4 prisms, waterproof, nitrogen purged, tabletop tripod, view-through ca
Choose Straight or Angled eyepiece position.

2. Triumph Spotting Scope — Extremely portable
Need a small spotting scope for travel? Look no further than the 50mm Triumph — this scop is ultra-portable! Counting ounces? At less than 26 ounces, the Triumph is super lightweight and makes a perfect choice for hunters, hikers and those traveling on foot, horseback, or by plane.

Keep the 8-24x Triumph by your side or at the cabin for handy use when viewing nature — this scope comes with a table-top tripod for great viewing of your backyard bird feeder from the comfort of your table. The Triumph provides good eye relief and comfortable viewing throughout its 8-24x range. At such an unbeatable price for great optics, you can't go wrong with the Triumph spotting scope. It comes complete with a soft carrying case and tabletop tripod that's ready for gift giving as well!

Eagle Optics Triumph Spotting Scope Features:
Built-in 8-24x eyepiece, multi-coated optics, tabletop tripod, soft carry case.

2. Eagle Optics 50mm Triumph

All you need to start viewing
The Triumph comes ready to mount on its own tabletop tripod.

	Denali 60mm	Triumph 50mm
Eyepiece	15-45x	8-24x
Eye Relief	15-14mm	16-11mm
Field of View (1000 Yards)	148-80'	189-44'
Close Focus	32'	15'
Weight	23.6 oz	25.6 oz
Length	13.9"	10.4"

Questions?
Call 1-800-289-1132

Talk to our friendly, knowledgeable staff at Eagle Optics

Email information@eagleoptics.com.

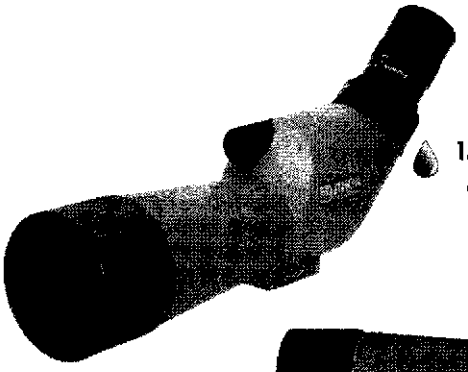
Here to help you choose what you need for optics!

Fujinon Spotting Scopes

Fujinon spotting scopes sport the advanced optical technology of other Fujinon optics. Fujinon lifetime warranty.

1A-B. Super 60 — So easy to carry
Looking to carry less weight? Pick up the Super 60 for backpacking, hiking, or blazing the trail with real horsepower. This field scope is amazingly compact and portable. Measuring less than 12 inches and weighing just over 27 ounces, the Super 60 weighs little more than many full size binoculars!

Size, however, is only part of the story. Advanced optical technology from Fujinon tells the rest with superb images — true to nature in color from one edge of the viewing field to the other. The Super 60 spotting scope shares many of the outstanding features for which the Super 80 is known. It also comes with a high quality 20-60x for greater appreciation of both flora and fauna.



1A. Fujinon Super 60 Angled Scope

1B. Fujinon Super 60 Straight Scope

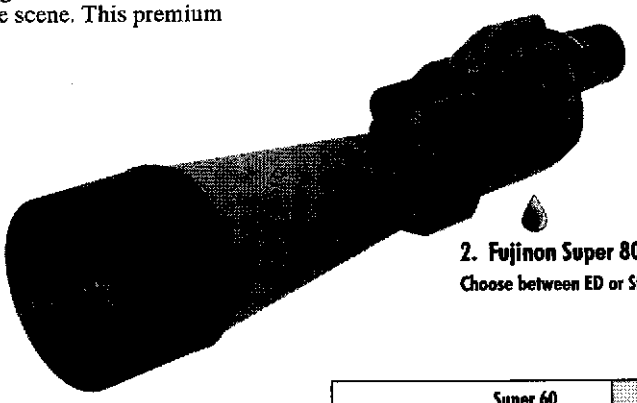
Fujinon Super 60 Spotting Scope Features:
20-60x eyepiece, EBC multi-coatings, flat-field lenses, waterproof, nitrogen purged, objective and ocular lens covers.
Choose between Straight or Angled eyepiece positions.

Available Accessories for 60mm and 80mm Models:
80x eyepiece, Fujinon SLR/DSLR photo adapter, compatible with Vortex Small Universal Digiscoping Adapter for digiscoping.

2. Super 80 and Super 80 ED — Shining in low light
If you need to overcome the challenges of watching wildlife in the dim light of dusk, bring along the Super 80 ED spotting scope from Fujinon — it's in low-light conditions like this that the ED Prime (Extra-Low Dispersion) glass really brightens the scene. This premium glass is well worth the investment for critical viewing because it:

- **Dramatically reduces chromatic aberration and color-fringing**
- **Improves resolution at high magnification**
- **Allows for amazing photographic results**

Superb images appear throughout the zoom range, thanks to Fujinon's advanced technology — increasing the light transmission so that 99.9% of the light passes through each individual optical element! The result? Super sharp, impressively bright and really outstanding images — even at 80x!

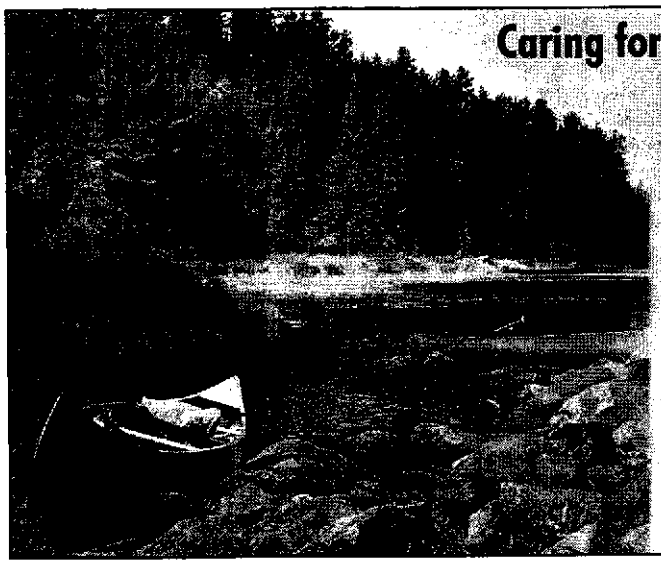


2. Fujinon Super 80 ED
Choose between ED or Standard glass.

ED Glass delivers the details — especially at dusk!
When the wildlife you watch wanders out at dusk, you'll expect the power of your scope to bring you fine details. It's in these low-light conditions that ED Prime Extra-Low Dispersion glass really shines. Delivering amazing color resolution and contrast, it virtually eliminates chromatic aberration and color-fringing so you see some of the most distinct details possible.

Fujinon Super 80 ED Spotting Scope Features:
20-60x eyepiece, EBC multi-coatings (up to 13 layers), flat-field eyepiece lenses, high-performance eyepieces and over-sized prisms, waterproof, nitrogen purged, alloy body, objective and ocular lens covers, compatible with Vortex Small Universal Digiscoping Adapter.

	Super 60 60mm		Super 80 80mm	
Eyepiece	20-60x	80x	20-60x	80x
Eye Relief	20-12mm	12mm	20-12mm	12mm
Field of View (1000 Yards)	99-57'	33'	99-57'	39'
Close Focus	22'		22'	
Weight	27.1 oz		45.5 oz	
Length	11.6"		15"	



Caring for our world!

Eagle Optics is making a difference!

For over 20 years Eagle Optics has been donating a significant portion of profits in support of land conservation and habitats for a variety of birds and wildlife. These are just a few of the groups and events Eagle Optics sponsors:

- Operation Migration
- Optics for the Tropics
- World Birding Center
- Midwest Birding Symposium
- Hawk Watch
- Cornell Lab of Ornithology
- Ducks Unlimited
- Fish & Wildlife Service
- Gathering Waters Conservancy
- Gulf Coast Bird Observatory
- Hawk Ridge Bird Observatory
- International Bird Rescue Research Center
- International Migratory Bird Day
- National Audubon Society (plus many local chapters)
- Natural Heritage Land Fund
- North America Natural Resources & Wildlife
- North American Butterfly Association
- North American Ornithological Conference
- Point Reyes Bird Observatory
- Rio Grande Valley
- River Alliance of Wisconsin
- San Francisco Nature Education
- Saving Birds Thru Habitat
- Trust for Public Land
- Urban Ecology Center
- Wildlife Habitat Council
- Wisconsin Wetlands Association
- Plus numerous State Ornithological Societies

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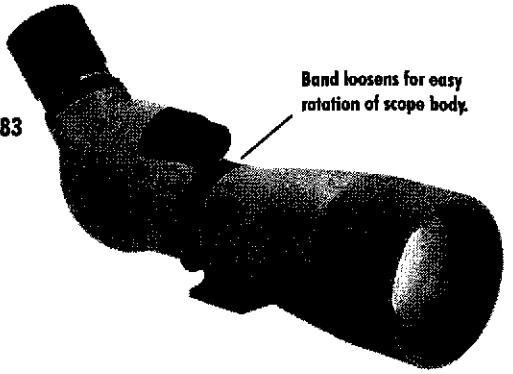
K O W A Kowa Spotting Scopes

Established in 1894, Kowa remains just as committed to the needs of future generations today as in the beginning. Kowa limited lifetime warranty

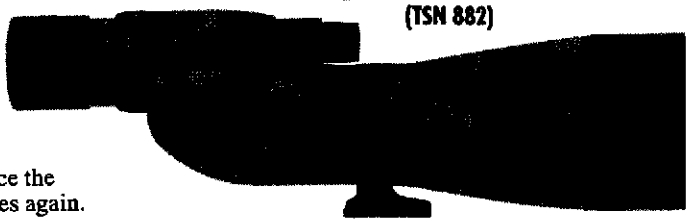


1A-B. New Kowa TSN 883 (TSN 881)

1A-D. New 88mm Spotting Scopes — Premium optics

Even in the challenging light of dawn and dusk, this scope delivers brighter views of birds and other wildlife when they are most active. A combination of a large 88mm objective, fine optical glass and coatings put crisp details within your reach. A quick focus knob gives you the ability to focus from 16 feet out to infinity in just two revolutions. The compact design of this larger 88mm spotting scope is an extra bonus as you travel around from one spot to another.

- **Advanced lens system achieves less chromatic aberration without compromising brightness, and allows for a compact size.**
- **C3 coating is a multi-coating of dielectrics, reflecting at 99% or higher across the entire visible spectrum.**
- **Inner focus system decreases image movement when focusing.**
- **Large exit pupil provides bright images and ease of viewing**



1C-D. New Kowa TSN 884 (TSN 882)

The fine optics of the Kowa 881 do not need pampering. You'll be able to face the inevitable downpour of rain or snow and keep on viewing when the sun shines again.

Kowa TSN 880 Series Features:
Multi-coated, Eco-Glass, waterproof, nitrogen filled, retractable sunshade, carbon fiber body, rubber armor, objective and ocular lens covers. **Choose between Straight or Angled eyepiece positions with Standard or Prominar Fluorite glass.**

Available Accessories:
25xLER, 30xWA, 20-60x eyepieces, protective case, Kowa digital camera adapter, Kowa SLR/DSLR photo adapter.

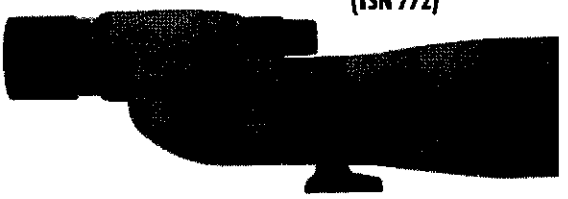
2A-B. New Kowa TSN 773 (TSN 771)

2A-D. New Kowa 77mm Series

Kowa uses a unique lens system giving you a more compact scope that is a pleasure to carry. Sharing the fine optical coatings of the 88mm scope, the slightly smaller objective lens of the waterproof 77mm Kowa will wow you with crisp, bright details!

TSN 770 Series Features:
Fully multi-coated, retractable sunshade, waterproof, nitrogen purged, rotating tripod mount, objective lens cover. **Choose between Straight or Angled eyepiece positions with Standard or Prominar Fluorite glass.**

Available Accessories:
25xLER, 30xWA, 20-60x bayonet eyepieces, view-through protective case, Kowa digital camera adapter, Kowa SLR/DSLR photo adapter.



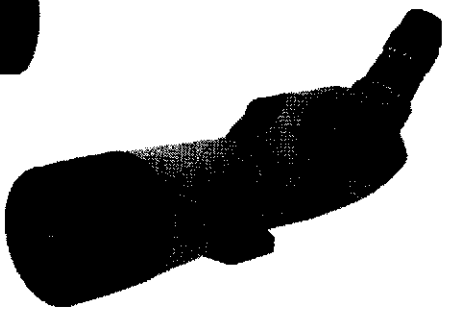
2C-D. New Kowa TSN 774 (TSN 772)

3A-D. Kowa 66mm Series

Adding brighter views without the bulk

A TSN 660 is a compact spotting scope that delivers the brightness you need to distinguish feather from foliage in dim viewing situations. For the truest colors and improved image resolution, choose the ED glass elements of the angled TSN 663 or the straight TSN 664. As with all other Kowa spotting scopes, these completely waterproof and fog proof scopes are sealed for reliable fog proof performance in any weather condition.

3A-B. Kowa TSN 664 ED (TSN 662)



3C-D. Kowa TSN 663 ED (TSN 661)

Kowa TSN 660 Series Features:
Fully multi-coated, waterproof, nitrogen purged, retractable sunshade, rotating tripod mount, objective lens cover. **Choose between Straight or Angled eyepiece positions in Standard or ED glass.**

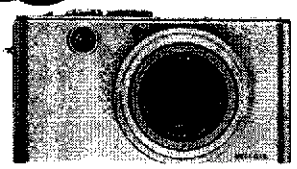
Available Accessories: 20xWA, 25xLER, 30xWA, 20-40x, 20-60x bayonet eyepieces, digital camera adapters and rings, view-through protective case.

	TSN 660 Series 66mm					TSN 770 Series 77mm			TSN 880 Series 88mm		
Eyepiece	20xWA	25xLER	30xWA	20-40x	20-60x	25xLER	30xWA	20-60x	25xLER	30xWA	20-60x
Eye Relief	20mm	32mm	20mm	18.5-14.5mm	22-11mm	32mm	20mm	17-16.5mm	32mm	20mm	17-16.5mm
Field of View (1000 Yards)	173'	110'	126'	109-80'	89-52'	110'	126'	115-55'	110'	126'	115-55'
Close Focus	20'					16.4'			16.4'		
Weight	36.0 oz					48.9 oz			54.7 oz		
Length	12"					12"			13"		

Leica Spotting Scopes

After nearly 100 years, Leica continues to improve your viewing with environmentally-friendly materials and technological processes. Leica USA limited lifetime and No-Fault Passport replacement warranty.

2. New Leica D-Lux 3 Digital Camera (Black or Silver)



3. Leica Digital Camera Adapter

2. New Leica D-Lux 3 Digital Camera

Creative freedom for unforgettable photos!

Every picture taken with Leica's D-Lux 3 digital camera has a story to tell. The unique manual setting options give you the freedom to create images that express your own style. Use this high quality Leica lens to take stunning shots from the wide-angle to the telephoto range. Choose between three picture formats, and achieve first-class image quality with the camera's 10 megapixel sensor. Small and elegant, the Leica D-Lux 3 is always ready to make your personal view of the world a reality. **Choose Black or Silver.**

3. Leica Digital Camera Adapter

Compatible with many compact digital cameras

Connect a Televid with a large number of compact digital cameras (irrespective of their filter thread or tripod screw) and camera phones — allowing both observation and digital photography. With a simple turn of the adapter, even portrait and landscape photos can be shot through Leica's 32x/26x, and 20x/16x eyepieces.

4A-C. Leica Televid 62mm Spotting Scope

Setting the standard for this class of compacts

Count on carefree, easy handling while crossing the roughest terrain ... baking in the sun, drenched in a downpour, fighting a blinding blizzard ... get the picture? The lightweight 62mm Televid spotting scope packs the highly acclaimed optics of the 77mm Televid in an extremely rugged, dependable scope for equally superb color fidelity and contrast through very fine fixed and zoom eyepieces.

Leica 62mm Televid Features:
Dual focus device, 2-speed focus knob, retractable sunshade, aluminum/carbon fiber body, waterproof, nitrogen filled, partial rubber armor*, objective and ocular lens covers. **Choose between Straight* or Angled eyepiece positions with Standard or APO glass. *62mm straight (standard and APO), also available with full rubber armoring.**

Available Accessories:
26x WA, 32xWA, 16-48x bayonet eyepieces, protective case, Leica digital camera bracket, Leica SLR/DSLR photo adapter.

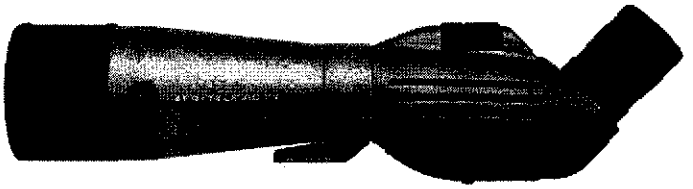
1A-B. Leica Televid 77mm APO

True color at its purest

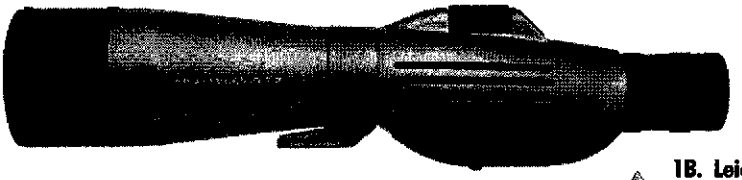
Professional ornithologists and astronomers count on the Televid spotting scope for the most critical observations. Apochromatic (APO) color correction and fluorite glass equip you with the best Leica technology to date. The Televid APO takes viewing wildlife beyond the norm and is an excellent choice for digiscoping or conventional film photography.

Designed to thrive in nature's extremes, you can count on the Televid spotting scope for excellent performance and handling in the most extreme of conditions! Go ahead and travel carefree .. brave rugged terrain, get drenched in an unexpected downpour, bake in the desert sun ... such trials will be harder on you than your Televid! This rugged spotting scope is ready for anything you can endure!

The Televid is an excellent choice for digiscoping.



1A. Leica Angled 77mm Televid APO



1B. Leica Straight 77mm Televid APO

Leica 77mm Televid Features:
Waterproof, nitrogen purged, all aluminum die-cast, 2-speed focus knob, retractable sunshade, objective and ocular lens covers. **Choose between Straight or Angled eyepiece positions with Standard or APO glass.**

Available Accessories:
32x WA, 40xWA, 20-60x bayonet eyepieces, protective case, Leica digital camera bracket, Leica SLR/DSLR photo adapter.

4A. Leica Angled 62mm Televid

4B. Leica Straight 62mm Televid

4C. Leica Straight 62mm Televid (Rubber Armor)

	Televid Series 62mm			Televid Series 77mm		
Eyepiece	26xWA	32xWA	16-48x	32xWA	40xWA	20-60x
Eye Relief	19.3mm	17mm	22-16mm	19.3mm	17mm	22-16mm
Field of View (1000 Yards)	164'	121'	131-74'	121'	104'	106-63'
Close Focus	12.8'			12.8'		
Weight	32.1 oz*	*Type of glass and armor determines actual weight.		52.2 oz*	*Type of glass determines actual weight.	
Length	11.6"			15.4"		

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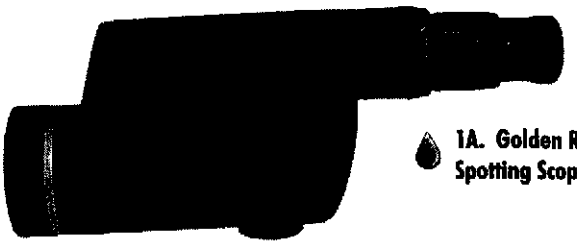
Leupold Spotting Scopes

Leupold optics are founded on nearly 100 years of craftsmanship. Leupold full lifetime warranty.

1B. Golden Ring 12-40x60 HD Kit
Includes HD scope, compact tripod, window mount, digital camera adapter, soft form-fitting case, and hard-side case.

1A. Golden Ring 12-40x60 Spotting Scope — Impressive images with premium optics ...

... and just what you need for birding and outdoor recreation. The 60mm Golden Ring features Leupold's Multicoat 4 lens coatings and an anti-glare interior for exceptional brightness, clarity and color fidelity. Count on the Golden Ring HD (High Density) scope for enhanced image resolution, color and contrast. You'll enjoy the comfort of extra long eye relief of 30mm through out the entire 12-40x zoom range of either scope! But the Golden Ring spotting scope promises more than just fine optics! This scope is lightweight (only 37 ounces) and rugged ... waterproof, fog proof, and ready for harsh weather and tough trails. And the popular Golden Ring spotting scope now wears Leupold's signature deep brown armor — a rich color that works equally as well in the field for naturalists as hunters.



1A. Golden Ring 12-40x60 Spotting Scope

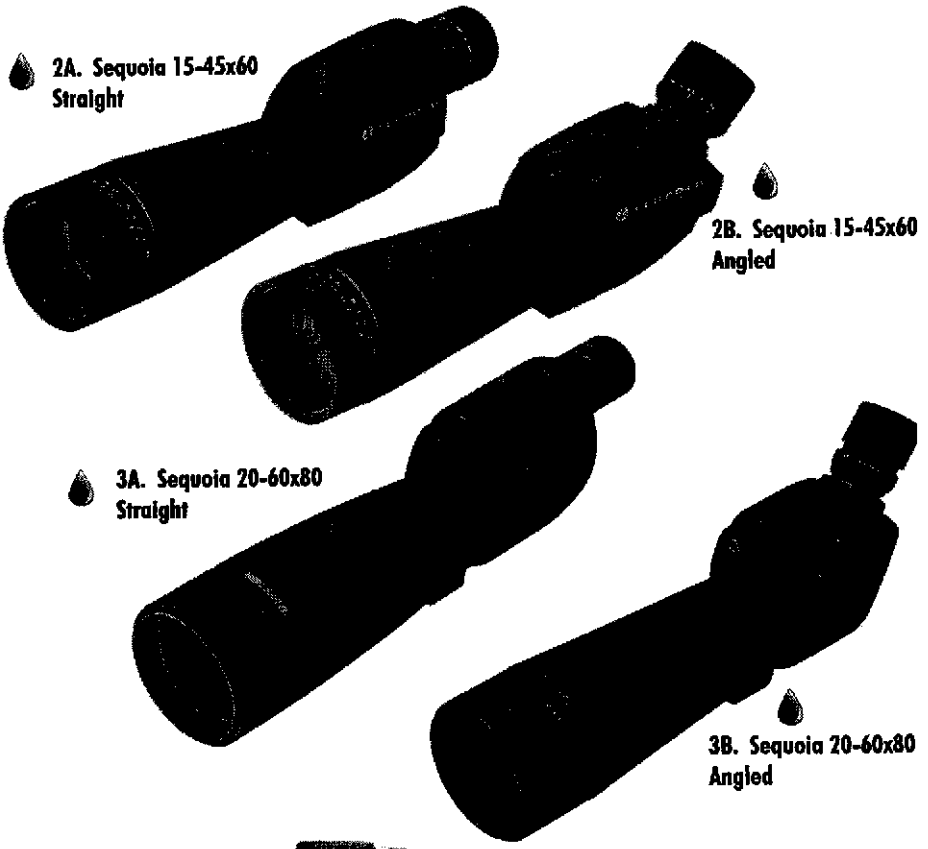
Golden Ring Spotting Scope Features:
Built-in 12-40x eyepiece, Multicoat 4 lens coating, eco-friendly fluoride-based objective lens, waterproof, magnesium housing, rubber armor, soft form-fitting view-through case. **Choose between Standard or HD glass.**

2A-B. Sequoia 15-45x60 Spotting Scope — Optics to go anywhere!

The Sequoia straight spotting scope is for the naturalist who braves bone-chilling altitudes as well as the birder who scans for shorebirds on balmier beaches. This truly is a "take anywhere" spotting scope — ranging from 15x up to 45x for outstanding details at all practical distances. Enjoy the clear, well-contrasted and sharp images you demand and the viewing comfort you want with the Sequoia spotting scope.

3A-B. Sequoia 20-60x80 Spotting Scope Triumphant in the wild

Head out with one of the most powerful spotting scopes in the Green Ring Sequoia series. Now you can move in close to elk ranging on the horizon, or grizzly fishing in the river ... without any disturbances. The large 20-60x80 Sequoia straight spotting scope works hard to give your eyes a feast — and your feet a rest. The huge range of magnification is incredibly flexible and capable of delivering a bright, wide field of view as you zoom in on wildlife.



2A. Sequoia 15-45x60 Straight

2B. Sequoia 15-45x60 Angled

3A. Sequoia 20-60x80 Straight

3B. Sequoia 20-60x80 Angled

4. Sequoia Spotting Scope Kit
Your choice of the 60mm or 80mm Sequoia kit includes an angled or straight Sequoia spotting scope body with a zoom eyepiece, compact tripod, soft carry case, reinforced protective case with foam padding and a carrying handle.

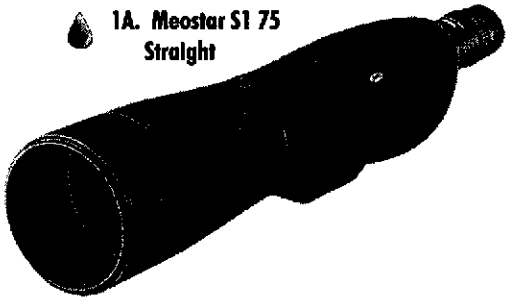
Sequoia Spotting Scope Features:
Built-in eyepiece, fully multi-coated, waterproof, rubber armor, twist-up eyecup, rotating tripod mount, objective and ocular lens covers, soft carry case.
Choose between Straight or Angled eyepiece positions.

4. Sequoia Spotting Scope Kit (80mm Angled)

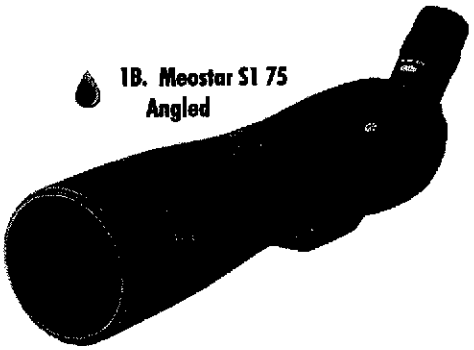
	Golden Ring	Sequoia	
	60mm	60mm	80mm
Eyepiece	12-40x	15-45x	20-60x
Eye Relief	30mm	18.5-15mm	18.9-15mm
Field of View (1000 Yards)	168-52'	131-43'	99.6-33'
Close Focus	36'	30'	30'
Weight	37 oz	35.1 oz	62.8 oz
Length	12.4"	13"	15.9"

Meopta Spotting Scopes

Meopta, manufacturing optics in Eastern Europe since 1933, melds the precision of old world craftsmanship with modern technology and materials. Meopta North American fully transferable limited warranty.



1A. Meostar S1 75 Straight



1B. Meostar S1 75 Angled

Choose apochromatic lenses for amazing images!
Step up to crystal clear images under the most difficult light conditions with the superb Meostar apochromatic (APO) spotting scope. The exotic objective lens element of this Meopta spotting scope successfully reduces secondary color aberration.

1A-B. Meostar S1 75 Spotting Scope
The wilderness experience demands much from you, and from your spotting scope. Count on Old World craftsmanship to deliver fine performance for the investment. The large 75mm objective lens gathers plenty of light for bright images throughout a versatile 20-60x zoom range. At just over 40 ounces, the aluminum alloy body is strong and makes the Meopta S1 75mm spotting scope a fine choice for this class of large spotting scopes. Waterproofing stands up to the challenges of rain, sleet and snow and a pebbled grip surface provides more secure handling.

The straight eyepiece position offers a more natural line of sight that is helpful when following wildlife, and favored by many novice users. The straight eyepiece also works well when viewing downward from an elevated platform, such as a deck or patio. You'll find the angled eyepiece is ideal for viewing at an upward angle, as when watching herons perched high in treetops. In addition, this offset eyepiece makes it easier to share your finds with friends of different heights.

Meopta Meostar S1 75 Features:
Aluminum alloy body, waterproof, pebbled grip surface, objective and ocular lens covers. Works with the Vortex Small Universal Digital Camera Adapter. **Choose Straight or Angled eyepiece positions, Standard or APO glass. Available Accessories:** 30x WA, 20-60x eyepieces.

	Meostar S1 75 75mm	
Eyepiece	30x	20-60x
Eye Relief	15mm	15mm
Field of View (1000 Yards)	114'	93-48'
Close Focus	14'	14'
Weight	40.6 oz*	*APO weighs 45.7oz and measures 14.4".
Length	13.8"	

Cleaning Accessories

Want to keep your viewing at its best day after day, season after season? Take time for a little thing like cleaning the lenses — it'll make a big difference in how well you enjoy your optics! Get the help you need with one of these handy accessories.

1. Eagle Optics Lens Pen

1. Eagle Optics Lens Pen — Keeping lenses spotless!
No larger than a pocket pen, the Lens Pen is a total lens care system for any optics. Remove solid particles from the lens surface with the high quality natural hairbrush. Retract the brush and gently clean the lens with the rounded chamois leather pad (impregnated with a specially formulated non-liquid cleaning compound). Laboratory testing proves that the Lens Pen outperforms other products in removing the most common lens surface contaminant — oily fingerprints.

2. Vortex Fog Free Lens Cleaning System — All you need in one package!
Here's a no-worry way to care for your investments! Now you can carry everything you need for keeping lenses clean and clear — a complete rugged, weather-resistant package.

2. Vortex Fog Free Lens Cleaning System

- **Ultra Brush:** Best for removing fine dirt and dust particles from lenses.
- **Vor-tek Microfiber Cloth:** Perfect for removing smudges and fingerprints. Scientifically-designed fibers wipe cleaner than any other type of cloth.
- **Formula MC Anti-fog Lens Cleaner:** Ideal for multi-coated lenses. Tested and approved by NASA.
- **Premium Grade Lens Cleaning Tissue:** Very soft and safe for all lenses. Meets Federal guidelines NNN-P-40B.

3. Vortex Fog Free Lens Cleaning Kit — Easy to pack and use
Here's another way to keep lenses free of smudges for the best viewing. Kit includes the Vor-tek Microfiber cloth and Formula MC Anti-fog lens cleaner.

3. Vortex Fog Free Lens Cleaning Kit

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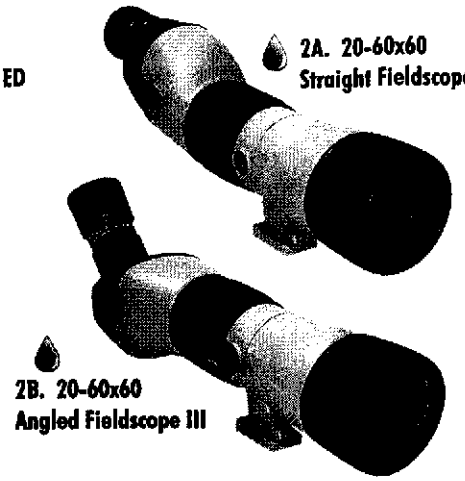
Nikon Spotting Scopes

One of the world's foremost producers of fine optical glass, Nikon puts this experience to work in a variety of spotting scopes for the outdoors. Nikon 25-year limited warranty.

1. 25-75x82 Fieldscope ED Spotting Scope
Nikon took the legendary optics of the 60mm Fieldscope III and worked them into a light-grasping size with the 82mm Fieldscope — all for birders, naturalists and other outdoor enthusiasts.The result? Incredibly detailed nature study. The premium glass of the Fieldscope ED scope virtually eliminates chromatic aberration and color-fringing ... improving resolution at high magnifications, and allowing for amazing photographs when coupled with conventional or digital Nikon cameras.

1B. 25-75x82 Straight Fieldscope ED

1A. 25-75x82 Angled Fieldscope ED



2A. 20-60x60 Straight Fieldscope III

2B. 20-60x60 Angled Fieldscope III

2A-B. 20-60x60 Fieldscope III Spotting Scope — A most dependable favorite
Set out on great adventures with a scope you can handle in any terrain. Nikon's 3rd generation of the 60mm Fieldscope brings you the same exceptional optical performance that birders, naturalists, and travelers have depended on for well over a decade ... all in a wonderfully small package. A compact design is the foundation for this rugged favorite — dependable for field work in rain, sun and shadows. Extra low Dispersion (ED) glass option brings you premium views with even sharper images at high magnifications, brighter images in low light, and better photographic results.

Nikon 60mm Fieldscope III and 82mm Fieldscope ED Features:
Fully multi-coated, premium glass, helical focus ring, waterproof, nitrogen purged, retractable sunshade, green metal finish, objective lens cover, bayonet mount cover, view-through protective case. **Choose Straight or Angled eyepiece position (60mm with ED or standard glass).**

Fieldscope Digiscoping Accessories:
Nikon digital camera adapters, digital camera brackets, SLR/DSLR photo adapter, digiscoping eyepieces.

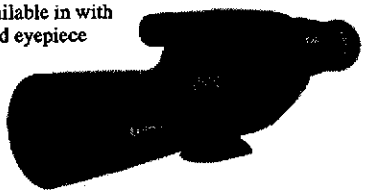
2 C-D. 60mm Fieldscope III with ED Glass
Choose the 60mm Fieldscope with extra low dispersion (ED) glass for even sharper images at high magnifications, brighter images in low light, and better photographic results.

3. 13-30x50 Fieldscope Spotting Scope
Ideal for packing in the back country
Introducing the most compact and lightweight spotting scope in the Fieldscope series. Birders, naturalists, and back country travelers all agree — the 50mm ED Fieldscope brings you the same exceptional performance of the larger ED Fieldscopes. The high quality eyepieces and objective lens deliver unbelievable colors and bright, high contrast images .. ideal for close study of flora and fauna.

Nikon 50mm Fieldscope Features:
Fully multi-coated, ED glass, waterproof, green metal finish, objective lens cover, ocular lens cover, storage case. **Choose Straight or Angled eyepiece position.**

Other Fieldscope Eyepieces:
NA/24xWA/30xWA [#7462]
20xWA/30xWA/38xWA [#7463]
27x/40x/50x [#7461]
27xWA/40xWA/50xWA [#7464]
40xWA/60xWA/75xWA [#7465]
13-30x/20-45x/25-56x [#7466]
13-40x/20-60x/25-75x [#7467]

Fieldscope Digiscoping Eyepieces
16x/24x/30x [#6954]
27x/40x/50x [#6950]
40x/60x/75x [#6951]



3A. 13-30x50 Straight Fieldscope ED

Also available in with an angled eyepiece position.

4A-B. Prostaff 20-60x82 Spotting Scope
The ProStaff spotting scope easily crosses wide-open ranges with the power of a 20-60x zoom eyepiece. No matter where you roam, count on the light-grasping ability of the 82mm angledProStaff for bright details at any time of the day. No weather is too harsh, no terrain too rough for venturing out in when you carry the ProStaff scope.

5A-B. Prostaff 16-48x65 Spotting Scope
The 65mm ProStaff spotting scope is an excellent choice for naturalists, birders, or any outdoor enthusiast The 16-48x zoom range sets you up with fine details at a most reasonable price. More compact than the 82mm model, the 65mm ProStaff spotter is every bit as tough — and perfect for carrying anywhere!

Nikon 65mm and 82mm Prostaff Features:
Zoom eyepiece, multi-coated optics, waterproof, fog proof, rubber armored, retractable sunshade, objective lens cover, ocular lens cover, view-through case. **Choose Straight or Angled eyepiece position. Black/Dark Green or Realtree Hardwoods camo.**

Other Prostaff Eyepieces:
20x, 25x [#8325]
20xLER/25xLER [#8324]
30x/38x [#8326]
16-48x/20-60x [#8323]

Prostaff Digiscoping Eyepieces:
20x/25x [#8338]
16-48x/20-60x [#8339]

4A. 20-60x82 Straight Prostaff

4B. 20-60x82 Angled Prostaff

5A. 16-48x65 Straight Prostaff

5B. 16-48x65 Angled Prostaff

Prostaff 65mm and 82mm Straight Spotting Scope Outfits
Outfit includes a black spotting scope body, zoom eyepiece and a full-size tripod. **Realtree Hardwoods Green Camo Outfit also includes a car window mount.**

*Weight for angled body with zoom.	Fieldscope ED Series 50mm	60mm	82mm	Prostaff Series 65mm	82mm
Eyepiece	13-30x	20-60x	25-75x	16-48x	20-60x
Eye Relief	12.9mm	14.1mm	14.1mm	15-13.6mm	15-13.6mm
Field of View (1000 Yards)	157.5'	105'	84'	126-62'	99-49.9'
Eyepiece Item#	#7466	#7467	#7467	#8323	#8323
Close Focus	9.8'	16.4'	16.4'	13.1'	20'
Weight	21.9 oz*	47.3 oz*	64.2 oz*	32.8 oz	43.2 oz
Length	8.1"	11.0"	12.9"	11.5"	15"

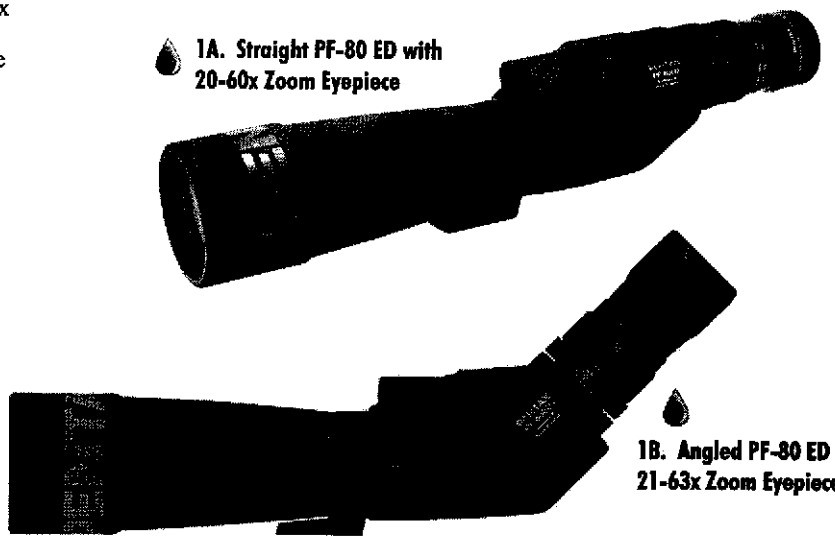
Pentax Spotting Scopes

As a leading manufacturer of sports optics, Pentax delivers high performance spotting scopes for a wide variety of situations. Pentax limited lifetime warranty.

Pentax Premium Eyepieces
Quality guaranteed! Pentax XW and SMC 1.25" telescope eyepieces are renowned for sharpness, field of view, contrast, and freedom from aberration. All of the fixed eyepieces have wider fields of view, 20mm of eye relief, and focus down to as close as 19 feet. These high-performance eyepieces (sold separately) were made to impress:

- **Fully multi-coated lenses increase light transmission and color quality.**
- **High-refraction low dispersion glass elements deliver bright, highly resolved images.**
- **Weatherproof construction for durability.**

The PF-65 ED II and PF-80 ED spotting scopes are sold without interchangeable eyepieces, or as a package including a zoom eyepiece.



1A. Straight PF-80 ED with 20-60x Zoom Eyepiece

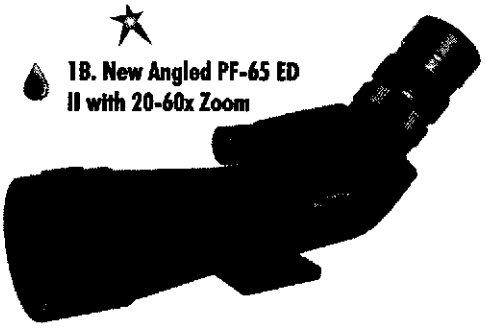
1B. Angled PF-80 ED with 21-63x Zoom Eyepiece

1A-B. Pentax PF-80 ED Spotting Scopes — Designed for the most naturally colored views
The PF-80 ED is a world-class viewing instrument — a scope designed for outstanding resolution from sun up to sundown. These glass elements ensure a sharp, high-contrast image with minimal chromatic aberration.

- **Extra-low Dispersion (ED) glass with Lanthanum Crown (rare earth) glass provides optimum optical resolution.**
- **Super multi-coating maximizes light transmission, clarity and contrast.**
- **Larger 80mm objective lenses provides bright viewing under all light conditions.**

Even in the real world of dim light and shadowy thickets where birds and wildlife dwell, the Pentax PF-80 ED brings clear definition to your subject. View clearly — any time of day!

1A. New Straight PF-65 ED II with 20-60x Zoom



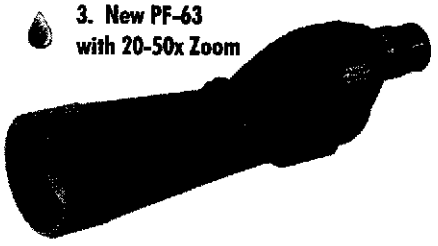
1B. New Angled PF-65 ED II with 20-60x Zoom

2A-B. PF-65 ED II Spotting Scopes —
The Pentax 65mm ED II spotting scope features a redesigned internal optical system that brings you even crisper images and a flat field at any magnification. Like the PF-80 ED, this ED spotting scope delivers outstanding resolution and dynamic viewing — basic to this line of time-proven Porro prism spotting scopes.

Pentax PF-65 ED II and PF-80 ED Spotting Scope Features:
Fully multi-coated, ED glass, Lanthanum Crown (rare earth) glass elements, accepts all standard 1 1/4" interchangeable telescope eyepieces, waterproof, nitrogen-filled, retractable sunshade, soft field case. Work with the Vortex Large Universal Digital Adapter. **Choose Straight or Angled eyepiece position.**

3. PF-63 Spotting Scope with Zoom
The PF-63 Zoom scope offers backpackers and avid travelers a lightweight option. Pentax includes a bright 20-50x eyepiece at a very affordable price. Weighing little more than many binoculars, you'll be thrilled with how close you can move in on wildlife. Yet the PF-63 has a rugged body and tight seals for adventures in the rainy, even snowy, weather without a concern for the optics. The side focus knob is easily adjusted at a moment's notice.

Pentax PF 63 Spotting Scope Package Features:
Fully multi-coated, waterproof, nitrogen-filled, eyepiece cover, objective lens cover, retractable sunshade, soft view-through case.



3. New PF-63 with 20-50x Zoom

	PF-65 ED II Angled Body* 65mm				PF-80 ED Angled Body* 80mm				PF-63 63mm
Eyepiece Item#	XF Zoom Package	#XW20	#XW14	#XW10	XF Zoom Package	#XW20	#XW14	#XW10	
Eyepiece	20-60x	19.5x	28x	39x	21-63x	27x	37x	52x	20-50x
Eye Relief	11-15mm	20mm	20mm	20mm	12-16mm	20mm	20mm	20mm	22-17mm
Field of View (1000 Yards)	117-51'	183'	132'	93'	112-49.5'	137'	97'	69'	84-48'
Close Focus	16.4'	*Straight scope weighs 37.0 oz.			19'	*Straight scope weighs 39.4 oz. from 20-60x, & 15.4" long and weighs 19.4 oz.			39.4'
Weight	37.7 oz				55.1 oz				29.6 oz
Length	10.6"				14.9"				12.9"

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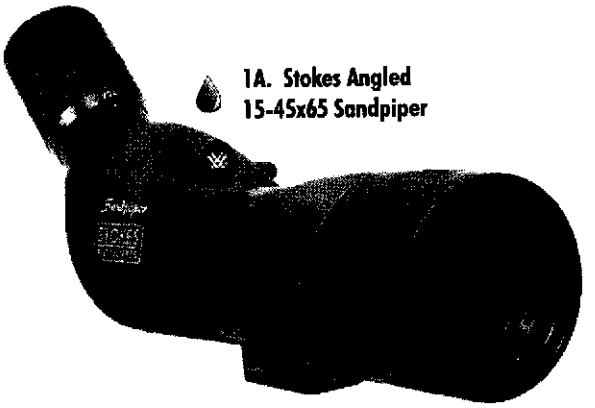
Stokes Birding Series

The Stokes Birding Series spotting scopes were developed by Vortex for Don and Lillian Stokes, "America's first family of birding". Don and Lillian have been the most trusted authorities and educators of birding information for more than 25 years. Vortex VIP transferable warranty.



1A. Stokes Angled 15-45x65 Sandpiper

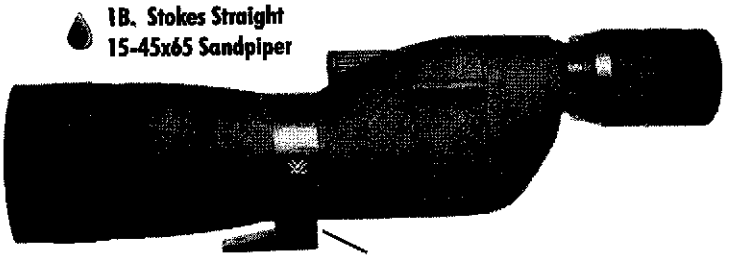
Digiscoping Accessories:
The Sandpiper spotting scopes can be used for digiscoping. Compatible with the Vortex Large Universal Digiscoping Adapter.

1A-B. Stokes 15-45x65 Sandpiper

A Rugged, Portable Scope by Vortex

Enter the world of birding with exceptional optics and a high level of ruggedness. Distinctive broadband coatings reduce surface reflections for crisp, bright images. This first scope in the Stokes Birding Series brings you spectacular color, regardless of the lighting conditions outside.

You can step up from a conventional 60mm spotting scope to this larger 65mm Sandpiper and still keep a hand on portability. The Sandpiper pulls in more light for brighter views throughout the versatile range of this modern 15-45x eyepiece. Your eye will rest comfortably against the soft rubber eyecup that twists back for full field viewing if you wear eyeglasses.



1B. Stokes Straight 15-45x65 Sandpiper

Band loosens for easy rotation of scope body.

	Sandpiper 65mm
Eyepiece	15-45x
Eye Relief	18mm
Field of View (1000 Yards)	144-67'
Close Focus	25'
Weight	38.0 oz
Length	14.4"

Waterproof for rainy day birding

If you're serious about birding, you won't let a little thing like "poor weather" keep you inside. The Sandpiper spotting scope is tightly sealed with O-rings and nitrogen purged for complete waterproof, fog proof viewing. On brighter days, you simply pull out the sunshade for high quality images that are free from glare.

The Stokes Sandpiper spotting scope is available with either an angled or straight eyepiece position and comes with a view-through carry case, 15-45x zoom eyepiece. Both models feature a handy built-in viewing aid and tripod-mounting collar that lets you rotate the scope body to virtually any angle you prefer.

Stokes 15-45x65 Sandpiper Features:
15-45x zoom eyepiece, fully multi-coated Broadband coatings, retractable eyecups, waterproof, O-ring sealed, nitrogen purged, rotating tripod mounting collar, ocular and objective lens covers, soft view-through case. Works with the Vortex Skyline Quick Release Digital Adapter and the Vortex Large Digital Camera Adapter.. **Choose between Straight or Angled eyepiece position.**

2. New Digiscoping Adapter

Use your Sandpiper spotting scope for digiscoping with a point-and-shoot camera. Slip the Skyline Quick Release Digital Adapter over the eyepiece before you even step out the door. When you're ready to digiscope, simply attach the camera mount to the adapter tube and shoot away! *More details on page 40.*

3. Stoke Birding Series Tripod

Count on the lightweight, yet sturdy, Stokes Birding Series tripod for quick action in the field. Smooth operation is an important consideration when choosing a tripod. That's why the Stokes full-size tripod is such a treat to use, responding to your need to pack up fast and move along the trail. Control the Stokes Birding Series tripod with a 3-way fluid motion panhead that makes watching wildlife so much easier. When you want to switch equipment, a quick-release plate makes changes a snap.

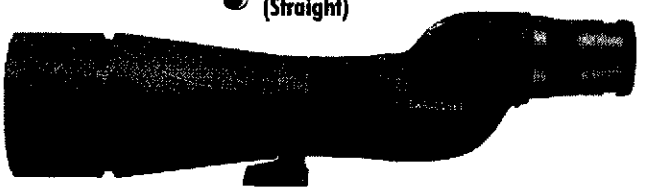
2. New Vortex Quick Release Digital Adapter

3. Stokes Full Size Birding Tripod

	Stokes Birding Tripo
Maximum Height	64"
Minimum Height	23"
Maximum Load	9#
Folded Height	24"
Folded Width	4.5"
Weight	5.5#
Leg Sections	3
Multiple Leg Angles	Yes

Swarovski Spotting Scopes

For over 100 years, the commitment of founder Daniel Swarovski to "constantly improving what is good" has guided this family-run company — including the protection of our environment. Swarovski limited lifetime warranty.



1A. Swarovski 80mm STS (Straight)

1B. Swarovski 80mm ATS (Angled)

2A. Swarovski 65mm STS (Straight)

2B. Swarovski 65mm ATS (Angled)

1A-B. Swarovski 80mm Spotting Scopes — Light, bright, and easy to focus

The ATS 80 and STS 80 observation spotting scopes set a high standard among scopes in this category. Even with the easy-to-handle fully rubberized armoring, they are by far the lightest of the larger observation spotting scopes. Thanks to a recalculated optical system, they offer precise observation of detail, optimum edge-to-edge images and almost 100% color fidelity with an extremely wide field of view for revolutionary image quality.

2A-B. Swarovski 65mm Spotting Scopes

Renowned for rivaling the optical quality of many 80mm spotting scopes, these compact models are perfect for following woodland species as well as shorebirds and raptors. In terms of functionality, the Swarovski ATS 65 and STS 65 scopes (and HD models) provide all the advantages of the 80 series, differing only in their dimensions.

These premium scopes perform admirably due to expertly cut and polished glass elements and Swarovski's patented coatings. Take advantage of amazing close-up focusing at only ten feet. These spotting scopes are light and easy to handle, making them ideal for days when you'll be moving around a lot!

Choose the HD Advantage!

How do you improve on superior scopes? Choose the HD model. Even the slightest chromatic zonal aberration is drastically lowered — thanks to the High Definition (HD) glass used in the objective lens. Pair this with a well-engineered optical system and you have superb, highly contrasted images that near the perfection of how nature paints the scene.

Swarovski 65mm and 80mm ATS and STS Features:
Retractable sunshade, aluminum housing, rubber armor, waterproof, nitrogen filled, internal focus, helical focus ring, objective lens and bayonet mount cover, soft carry case with padded insert. Angled models have a rotating tripod ring allows you to adjust to your preferred viewing position. **Choose between Straight or Angled eyepiece positions with Standard or HD glass. Interchangeable bayonet eyepieces sold separately and are available as listed.**
Available Accessories: Swarovski digital camera adapter, Swarovski SLR/DSLR photo adapter.

*Weight listed for angled body.	Swarovski ATS/STS 65mm			
Eyepiece	20x	30xWA	45xWA	20-60x
Eye Relief	17mm	20mm	22-16mm	17mm
Field of View (1000 Yards)	180'	126'	131-74'	108-60'
Close Focus	10'			
Weight	38.8 oz (39.9 oz for HD)			
Length	12.8"			

Swarovski ATS/STS 80mm			
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
10'			
[illegible]			
14"			

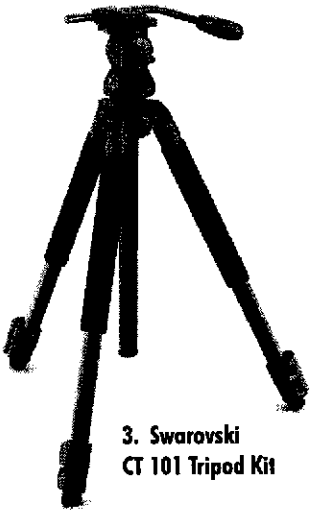
3. Swarovski CT101 Tripod Kit

Pick up and go — anywhere!

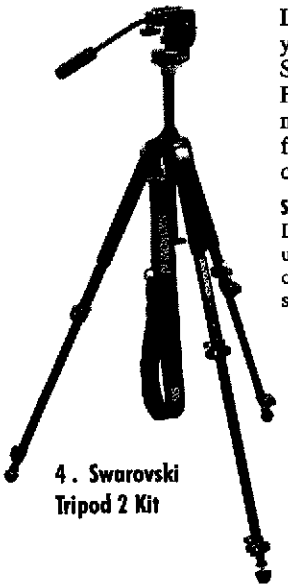
Strength is all wrapped up in a lightweight, sturdy tripod. Just right for longer hikes and tough up-hill climbs, Swarovski sets you up with a stable tripod that won't weigh you down. The smooth action of FH 101 tripod head is a favorite in the field. Pick up and go anywhere — leg angles adjust to uneven terrain, 2-stage tripod legs and flip-up leg clamps adjust fast and silently, broad panning is easy with just one hand.

- **Unbreakable, lightweight carbon fiber legs.**
- **High-strength magnesium tripod body.**
- **Sturdy synthetic components are shock-absorbent.**
- **Durable metal components are of corrosion-resistant steel or anodized aircraft-grade aluminum.**

Look at the padded upper legs of the CT101 tripod. Swarovski planned for extra carrying comfort — something you'll really appreciate at the end of a long day in the field.



3. Swarovski CT 101 Tripod Kit



4. Swarovski Tripod 2 Kit

4. Swarovski Tripod 2 Kit

Looking for a solid tripod for your ATS or STS spotting scope? Swarovski's Tripod 2 Kit with the FH 101 tripod head is a perfect match — built strong for dependable field use with quick-action tension controls that are so easy to use.

Swarovski Tripod 2 Features:
Dacromat anti-rust leg clamp bolts, padded upper leg sections, extended length center column, reversible rubber/metal spike feet, shoulder carry strap.

	Swarovski CT101	Swarovski Tripod 2
Maximum Height	70.9"	62.3"
Minimum Height	16.1"	20.5"
Maximum Load	18D	11#
Folded Height	27.5"	26.6"
Folded Width	4.4"	4.5"
Weight	4.4#	6.0#
Leg Sections	2	3
Multiple Leg Angles	Yes	Yes

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VORTEX Vortex Spotting Scopes

Discover the great value of rugged spotting scopes for the outdoors. Completely covered by the Vortex VIP warranty — unlimited, unconditional, and fully transferable.

1. New Skyline ED Spotting Scope

Exceptionally views just got better!

Now the rewards of watching wildife are much higher with the Skyline ED spotting scope — delivering the ultimate in vivid colors and high resolution. Even in the grey light of early dawn, this Vortex spotting scope brings you close to shorebirds feeding on far-off mudflats with bright, sharply defined details. Whether you're a birder or more interested in watching wildlife roaming across the open prairie, thank the Vortex Skyline ED for placing amazing long-distance views within your reach.

- **Extra-low dispersion glass for bright, color-correct and sharply-defined images throughout the powerful zoom range.**
- **Distinctive Broadband coatings reduce surface reflections for the most impressive images at high magnifications.**
- **Fully multi-coated optics increase the amount of light passing through the scope for brighter, more detailed views.**

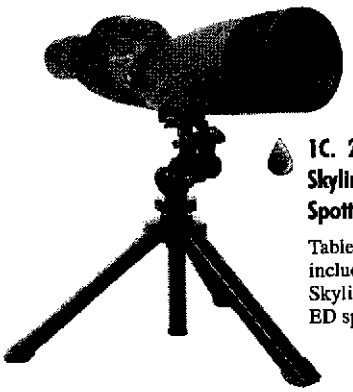
Watching animals from a distance is so easy with the Skyline ED spotting scope. From near to far, the Skyline ED will impress you with crystal clear details and natural colors throughout the entire zoom range. This versatile 20-60x eyepiece lets you take in the whole scene at 20x, and zoom in for fine feather detail at 60x. Designed for comfort, all you do is twist back the eyecup for pleasing, wide-field viewing when you wear eyeglasses.

1A. New 20-60x80 Skyline ED Angled Spotting Scope

Tripod mount allows you to rotate the scope body.

1A. New 20-60x80 Skyline ED Straight Spotting Scope

Rugged, Waterproof and Fogproof!



1C. 20-60x80 Skyline Straight Spotting Scope

Tabletop tripod included with every Skyline and Skyline ED spotting scope!

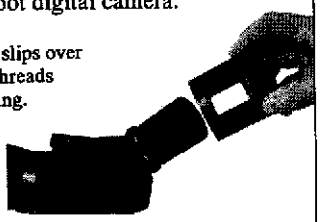
*Weight for angled ED.	Skyline 80mm	Nomad 60mm	Impact 70mm
Eyepiece	20-60x	20-60x	25-75x
Eye Relief	19-18mm	17-14mm	18-15mm
Field of View (1000 Yards)	113-55'	116-51'	89-47'
Close Focus	26'	20'	33'
Weight	60.4 oz*	27.4 oz	29.3 oz
Length	17.7"	11.8"	10.2"

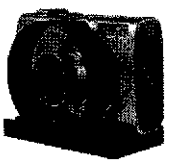
Vortex 20-60x80 Skyline and Skyline ED Features:
20-60x eyepiece, 80mm spotting scope (standard or ED lens), fully multi-coated with Broadband coatings, waterproof, O-ring seals, retractable eyecups, nitrogen purged, rubber armor, ocular and objective lens covers, view-through carry case, and table-top tripod. **Choose between Straight or Angled eyepiece positions.**

2. New Skyline Quick Release Digital Adapter

Now you can capture exciting memories by digiscoping with a Skyline spotting scope. Not only is the Skyline Quick Release Digital Adapter a cinch to use, but it also provides a hassle-free way to switch between observing and digiscoping with a point-and-shoot digital camera.

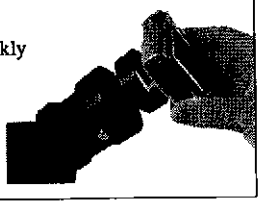
- Adapter tube slips over eyepiece and threads onto adapter ring.





- You'll have full use of digital camera even when attached to the camera mount and ready for digiscoping.

- Camera mounts quickly on the adapter tube, remaining securely centered in the mounting ring.



3. New Summit CBX Carbon Fiber Tripod

Rock solid support starts with the latest in carbon-fiber technology. The Summit CBX tripod is extremely light in weight, yet tough and durable. Designed for strength and stability, the CBX tripod is ideal for securely mounting larger binoculars and spotting scopes. With retractable spiked feet, the CBX stays put on any surface — whether you're setting up in a marsh, on an outcrop of granite or glare ice.

- **No-hassle leg levers flip up and lock down fast**
- **Locking collar is easy to grip with gloved hands and lets you set the legs at multiple angles.**
- **Foam leg wraps on the upper sections of all three legs provide a comfortable surface to grip in the coldest of weather.**

The Summit CBX tripod head is built tough for rugged wear, smooth operation, and great birding! The quick release plate has a locking mechanism to keep the scope secure, yet gives you the ability to swap out equipment in a hurry for photography and digiscoping.

Vortex Summit CBX Features:
Deluxe soft carry case with pockets.

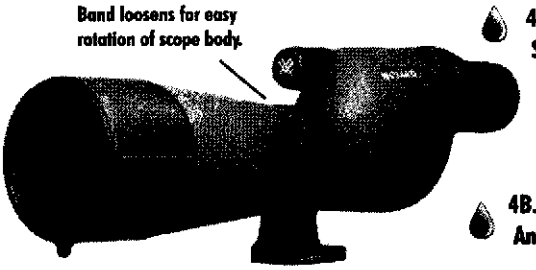
3. New Vortex Summit CBX Tripod

Specification table on next page.

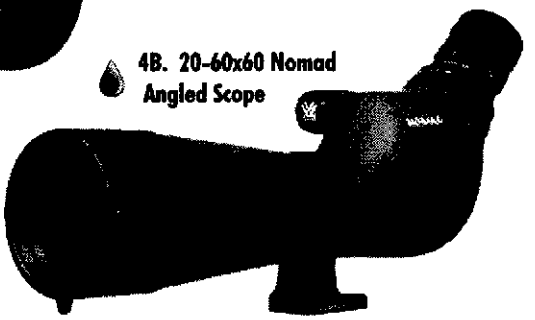
4. The Nomad 20-60x60 — High on value

Explore the wilds with a scope that's made for high adventure. The Nomad ranks high on the value scale with smooth handling, rich image quality, and a rugged construction—ideal qualities for any trip. Now you can take in awe-inspiring views without breaking your back ... or your budget! Take in panoramic scenes at 20x to more targeted details at 60x. No matter where you set the zoom, high quality optics deliver views of great color and clarity. A contemporary eyecup design makes the most of long eye relief for wide angled views — available to every user by simply retracting the multi-stop eyecup to the most pleasing position.

Solid construction is the basis for a lifetime of results as you head outdoors. The Nomad spotting scope is very portable with a rugged polycarbonate body, covered in a durable rubber armor. Tight seals guarantee a fully waterproof, internally fog proof scope you can depend on in the harshest of environments.



4A. 20-60x60 Nomad Straight Scope



4B. 20-60x60 Nomad Angled Scope

Digiscoping Accessories:
The Nomad spotting scopes use the Vortex Small Universal Digiscoping Adapter for digiscoping. More information about digiscoping on pages 46-47.

Vortex 20-60x60 Nomad Features:
20-60x eyepiece, fully multi-coated, BaK-4 prisms, multi-stop eyecups, waterproof, O-ring seals, nitrogen purged, rugged polycarbonate housing, rubber armor, and view-through carry case. Works for digiscoping with the Vortex Small Universal Digital Camera Adapter. **Choose between Straight or Angled eyepiece positions.**

View-through Case
Included with all Skyline and Nomad spotting scopes.

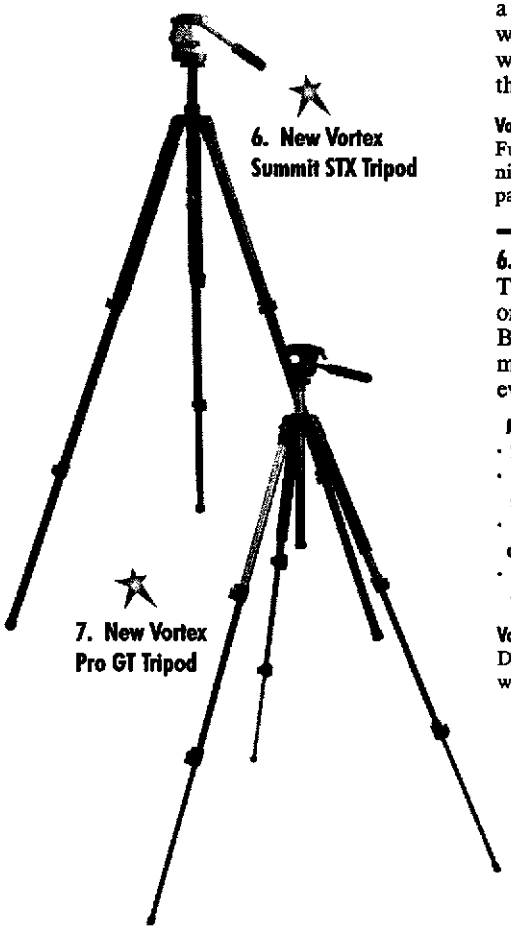
5. Impact 25-75x70 Spotting Scope

Extra power ... and so little bulk!

The trail is steep and long, the wildlife scarce, distant ... and you need a spotting scope, but can't carry much gear. The Impact from Vortex is the solution. Powerful views begin at 25x, from where you can zoom in on rocky crags above the timberline. At 75x you'll be able to spot animals miles away. The Impact spotting scope will impress you with high contrast, crisp details, and true colors throughout the zoom range. Along with a compact catadioptric design, the Impact has a tough polycarbonate build — so light it weighs less than many binoculars! Dustproof, waterproof, and internally fogproof protection, the Impact really masters the elements.

5. Impact 25-75x70 Spotting Scope with Tabletop Tripod

Vortex 25-75x70 Impact Features:
Fully multi-coated, broadband coatings, waterproof, O-ring seals, nitrogen purged, rubber armor, rugged polycarbonate housing, micro-adjustable tabletop tripod, and deluxe padded carry case. Works with the Vortex Small Universal Digital Camera Adapter for digiscoping.



6. New Vortex Summit STX Tripod

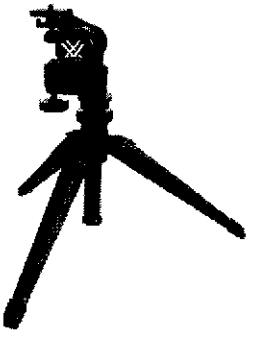
7. New Vortex Pro GT Tripod

6. New Summit STX Tripod

The Summit STX adapts easily to any situation on which you land with field-friendly features. Built of sturdy metal, the STX is a reliable mount for larger spotting scopes, binoculars, even digiscoping equipment.

Multiple leg angles are secure on uneven terrain.
- **Rubber tripod feet easily grip slick surfaces.**
- **Balancing hook lets you hang extra weight for greater stability on windy days.**
- **Foam leg wraps cover two of the upper leg sections for more comfort in cold weather and over the long haul.**
- **Smooth panning tripod head features a quick release plate with locking mechanism.**

Vortex Summit STX Features:
Deluxe soft carry case with pockets.



8. New Vortex Summit Shooting Stand

7. New Summit Pro GT Tripod

Count on the Pro GT for solid support of heavier binoculars, scopes and digiscoping equipment.

- **Quick-release plate with built-in level on head.**
- **Padded leg wraps on upper sections of two legs.**
- **Quick-action leg lever locks.**

8. New Vortex Summit Shooting Stand

Are you counting ounces? Pack this handy table-top tripod on your next trip — weighing less than two pounds! Enjoy steady viewing with your spotting scope (or large binoculars) and take advantage of the fine tuning afforded by the micro-adjustable focus dials.

	Summit Series			Shooting Stand
	CBX	STX	Pro GT	
Maximum Height	68.5"	70.5"	63.0"	13.3"
Minimum Height	28.5"	19.5"	23.0"	10.8"
Maximum Load	11#	11#	9#	5#
Folded Height	21.7"	30.5"	24.5"	13.25"
Folded Width	4.0"	4.2"	4.5"	4.8"
Weight	6.2#	6.9#	5.8#	1.5#
Leg Sections	3	3	3	1
Multiple Leg Angles	Yes	Yes	Yes	No

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Z Zeiss Spotting Scopes

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An optical pioneer since 1846, Zeiss optics continues responding to the needs of the most sophisticated user. Zeiss limited lifetime transferable warranty.

1A-B. Diascope 85mm Spotting Scope — Premium views in tough territory

Can a light-grasping 85mm spotting scope be portable? Absolutely! The Zeiss Advanced Optical System (AOS) makes this large spotting scope relatively compact and lightweight (little more than 13 inches and just over three pounds). The rugged, robust casing is made of a corrosion-resistant light metal alloy, and is tightly sealed for confident viewing in rough terrain, on safari, or in a tropical rainforest ... guaranteed to function perfectly at temperatures between –2° and +131° Fahrenheit.

The Zeiss Diascope 85 T* FL is in a class of its own. A dual wheel allows for fast focusing and, if required, separate fine focusing — all with just one hand. Razor-sharp definition over the entire focusing range delivers the excellent detail recognition expected by birders, guides and explorers. With an excellent weight and performance ratio, it will be your constant companion for revealing the wonders of wildlife out on the open range, or within your yard (focuses down to 16 feet).

2A-B. Diascope 65mm Spotting Scope

Is your destination the mountain summit? A remote trail? Do you need precise, reliable optics to see far into the distance? If so, you'll be thrilled with the 65mm Diascope! This compact spotting scope is tailor-made for hikers, backpackers, and the most demanding hunters. Not only is the 65mm Diascope easier to carry, you may even get by using a lighter tripod.

Zeiss 65mm and 85mm Diascope Features:
Superachromatic objective lenses, T* multi-coated, waterproof, nitrogen purged, metal alloy housing, 2-speed focus knob, retractable sunshade, non-slip rubber grip area, rapid sighting aid, objective lens and eyepiece receptacle covers. **Choose between Straight or Angled eyepiece positions in Silver or Green finish.**

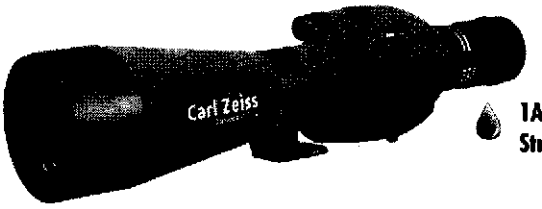
3. New Diascope Digital Camera Eyepiece

Zeiss takes nature observation to a whole new level with the DC4 — an eyepiece with an integrated digital camera for use with any Zeiss Diascope. Mounted directly to the Diascope without an adapter, the DC4 lets you observe through the eyepiece and digitally photograph what you see by simply pushing a remote control button. The DC4 is made for easy handling ... even when the weather puts up a fuss ... it's shockproof, impact resistant, sealed against water spray, and solidly armored with rubber.

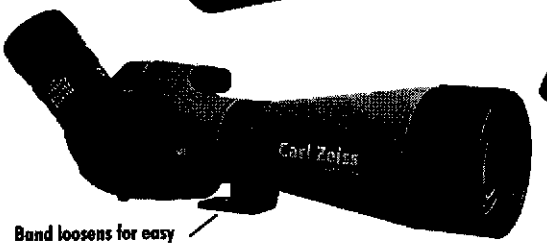
Zeiss DC4 Digital Camera Eyepiece Features:
4 megapixel camera, 1460mm focal lens, 2-inch display, bayonet-type connection, rubber armored, sealed against water spray, high performance polyamide body, USB/Video/Network connection, 128 MB SD memory card, IR receiver for remote control, ACDSee™ 8.1 Photo-Manager software.

Other Available Accessories:
View-through protective jacket, Zeiss digital camera bracket and SLR/DSLR photo adapter.

Zeiss Spotting Scope Optical Quality
The outstanding image quality you observe through a Zeiss Diascope is directly related to a combined use of the Zeiss Advanced Optical System (AOS), the extra-low dispersion Fluoride (FL) glass, and proprietary T* multi-layer coatings. Superior glass materials, free of lead and arsenic, combine with state-of-the-art lens technology to reduce the overall scope length. Objective lenses have Superachromatic properties and, thanks to high light transmission through the optical system, images are extremely bright. The result? You can count on extended viewing during dawn and dusk, crisp images with high contrast, natural color rendition down to the finest nuances, and virtually no color fringing.



1A. 85mm Diascope Straight

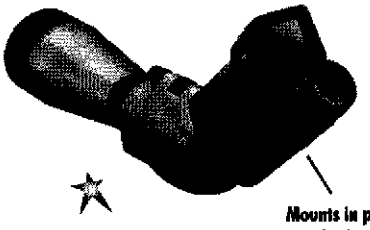


1B. 85mm Diascope Angled

Band loosens for easy rotation of scope body.

Choose between Silver and Green finishes.

2A. 65mm Diascope Straight



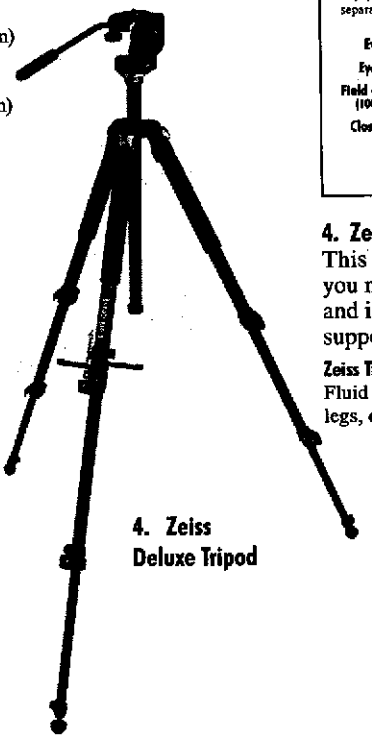
Mounts in place of a standard eyepiece.

2B. 65mm Diascope Angled

3. New Diascope DC4 Digital Camera Eyepiece

View through the eyepiece at 30x (65mm) or 40x (85mm), and digiscope at a focal length of 1,120 (65mm) or 1,460 (85mm).

*Eyepieces sold separately.	Diascope Series 65mm			85mm		
Eyepiece	23xWA	30xWA	15-45X	30xWA	40xWA	20-60X
Eye Relief	18.5mm	18mm	16mm	18.5mm	18mm	16mm
Field of View (1000 Yards)	156'	120'	168-73'	120'	90'	129-60'
Close Focus	13.1'			16.3'		
Weight	38.8 oz			51.2 oz		
Length	11.8"			13.6"		



4. Zeiss Deluxe Tripod

4. Zeiss Deluxe Tripod

This deluxe tripod has all the fine features you need for stability in all kinds of terrain and in any kind of weather, making it an idea support for spotting scopes and binoculars.

Zeiss Tripod Features:
Fluid pan/tilt head, retractable spiked feet, padded legs, quick lever locks, quick release mount.

	Zeiss Deluxe
Maximum Height	74.8"
Minimum Height	3.2"
Maximum Load	13.3#
Folded Height	29.5"
Folded Width	5.0"
Weight	7.9#
Leg Sections	3
Multiple Leg Angles	Yes

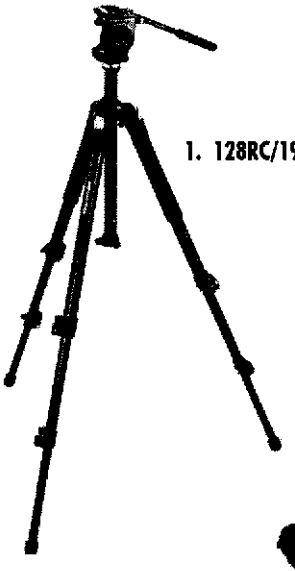
Bogen / Manfrotto Tripods

Bogen brings you a wide variety of lightweight tripod legs that provide the stability you need for optimal viewing through your spotting scope — also critical for digiscoping and digital or film photography in the outdoors. The kits combine a set of tripod legs with one of the more popular heads for outdoor observation. Two-year limited warranty (plus three more with product registry).

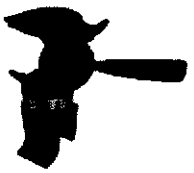
Bogen Tripod Kits

1. Bogen 128RC /190XB Tripod Kit
Bogen pairs up the 128RC, a lightweight fluid head using a pan bar, with the 190 XB tripod legs for easy use in the field. Count on smooth fluid movement while panning, and dependable viewing once pan and tilt locks are set. This tripod head also features a quick release camera plate with secondary security — excellent for supporting a variety of spotting scopes, binoculars and camera equipment.

Bogen's 190XB tripod is a redesign of the 3001 tripod — resulting in a lighter, slightly more compact tripod. Bogen also improved the ergonomics of the leg angle release mechanism and the quick action leg locks. Leg angle presets increase stability in bad weather conditions and on uneven terrain. You'll find the 190XB is one sturdy aluminum tripod you can count on for solid support as you view wildlife.


1. 128RC/190XB Kit

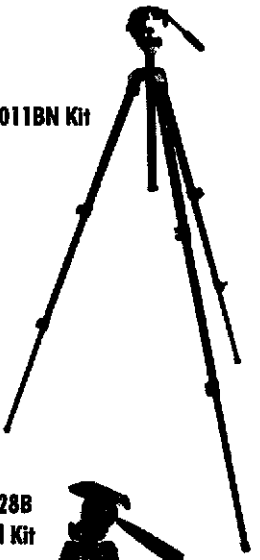
Bogen Car Window Mount Set
The compact 390RC2 Junior head is ideal for mounting scopes on car windows. The long handle adjusts both pan and tilt action — and easily locks in place. Combined with Bogen's window pod/clamp, this set is just the right size for viewing from a vehicle.



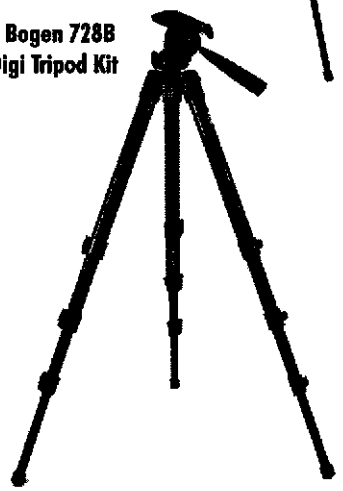
Features of the 390RC2 Junior Head
11 pound load capacity, weighs 1.6 pounds, 4" height, quick-release platform.

Features of the 3292 Window Pod/Clamp
Teflon pads clamp on window, weighs 5 ounces. Compatible with other Bogen/Manfrotto tripod heads.

2. Bogen 3130/3011BN Tripod Kit
One of the easiest Manfrotto tripods to handle, the 3011BN is lightweight, sturdy, and so portable! Add the popular 3130 tripod head and you have a winning combination for watching wildlife through spotting scopes, larger binoculars. The thumb screw leg locks provide extra stability.


2. 3130/3011BN Kit

3. Bogen 728B Digi Tripod Kit
Lightest and most compact of the full size tripods: 3-faceted center column, pan-tilt style head, quick action lever locks. Includes 390RC2 quick release head and soft carry bag with backpack style twin carry straps.


3. Bogen 728B Digi Tripod Kit

Bogen Tripod Legs

4. Bogen 190MF3 and 055MF3 Mag Fiber Tripod Legs
Carbon fiber legs reduce the weight of these two tripods — without compromising on the stability of the tripod. The quick-action lever locks of die-cast magnesium and all parts are assembled using a proven pressure clamp technology for greater durability and serviceability in the field. The padded carrying strap doubles as a counter-weight for increased stability on windy days.

4. Mag Fiber 055 MF3 Legs

5. 3021BN Classic Tripod Legs
Updated lightweight and portable version allows viewing from 3.1" above ground: faceted center column, rapid action lever leg locks, padded upper leg sections of two legs.

5. 3021BN Classic Tripod Legs

Bogen Tripod Heads

6. 700RC2 Mini Video Head
Supports the latest digital video equipment and still photography cameras. Fixed length pan bar with a soft handle and separate locking mechanisms for 360° pan and +90°/-75° tilt. Quick release video plate system with VHS pin and secondary safety catch. 1.1 pounds.

6. 700RC2 Head

7. 3130 Micro Fluid Head
Quick release features a set pin to prevent loosening in most scopes. It also has a safety catch to prevent accidental release. 1.9 pounds. 4.6" height.

7. 3130 Head

	Bogen Tripod Legs				Bogen Tripod Kits	
	3011BN	3021BN	190MF3	055MF3	728B Digi	128RC/190XB
Maximum Height	71.3"	70.1"	56"	66.5"	64.8"	61.6"
Minimum Height	22.1"	3.2"	4.3"	4.3"	19.1"	7.7"
Maximum Load	13.2#	15.4#	8.8#	15.4#	7.7#	11.4#
Folded Height	24"	24"	22"	25.2"	18.3"	25.1"
Folded Width	5"	5"	4.5"	4.5"	5"	4.5"
Weight	4.8#	5#	3.5#	4.4#	3.9#	6.3#
Leg Sections	3	3	3	3	4	3
Multiple Leg Angles	3	Yes	Yes	Yes	No	Yes

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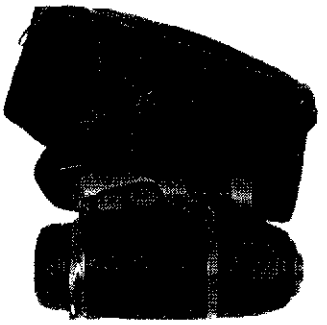
SPECIALTY OPTICS

Night Vision Views

Bushnell Night Vision Monoculars

Whoooooooo takes wing after the sun goes down? Do deer visit your gardens? Are raccoons rustling in the shadows? If you're curious about the night life in your backyard, bring it to light tonight with a sure-grip on a Prowler — completely waterproof and ultra-lightweight.

Bushnell Night Vision Monocular Features:
Used comfortably in the left or right hand, built-in infrared illuminator, rubber armor, tripod adaptable, fanny pack. Uses one CR123A battery. Bushnell limited lifetime warranty.



2.0x24 Prowler

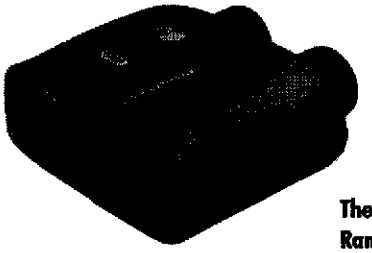
4.0x50 Prowler

New Leupold RXB-IV Digital Rangefinder — True Ballistic Range

The RXB-IV is the first binocular/digital laser rangefinder that can deliver more than the straight line distance to the target. Leupold gave this digital rangefinder True Ballistic Range capability for greater accuracy in long-range shooting at these maximum ranges:

- **Reflective to 1,500 yards, ± 1 yard.**
- **Trees to 900 yards, ± 1 yard.**
- **Deer to 800 yards, ± 1 yard**

This digital rangefinder from Leupold is rugged, waterproof, lightweight and compact. One-handed control makes the RXB-IV very easy to use in the field — even when your hands are sweaty or the weather is at its worst. A clicking fast-focus eyepiece also allows for quick adjustments in the field.



The New RXB-IV Digital Rangefinder

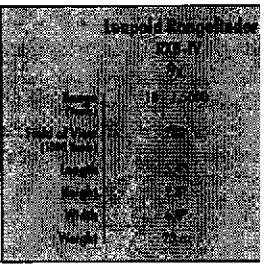
Compass, Inclinometer and more

You can even know the temperature — displayed in smaller numbers just below the reticle, with the choice of reading in Celsius and Fahrenheit. The measurement options for the RXB-IV are many, letting you choose to display in feet, yards or meters (feet and meters displayed to a single decimal place).

- **Precision magnetic inductor compass displays your compass reading in larger numbers above the reticle.**
- **Declination setting corrects the usual compass error between magnetic north and true north.**

Leupold RXB-IV Digital Rangefinder Features:
Waterproof, Lanyard, CR2 lithium battery, Leupold Limited 2-Year Warranty.

	Bushnell Night Vision Prowler	
	2.0x24	4.0x50
Close Focus	5-400'	5-700'
Field of View (1000 Yards)	105'	70'
Length	5.6"	6.4"
Height	3.2"	3.2"
Width	2.4"	2.4"
Weight	10.6 oz	15.8 oz



Refined and sophisticated for elegant (and everyday) occasions!

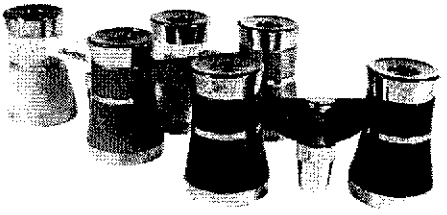
Theater Glasses with Program Light

These theater glasses arrive well-dressed with a most contemporary flair. At the touch of a button, a red light tastefully illuminates your program without disturbing your eyes (or those of the patrons seated around you). Carefully cut and polished optics heighten the drama on stage with details to delight anyone ... and you don't even need to focus! Simply lift these theater glasses to your eyes for effortless 3x viewing — sure to enhance your evening out at the theater.

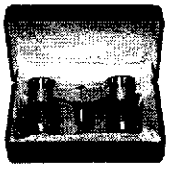
Features of Theater Glasses with Program Light
3x magnification, soft vinyl pouch, hard shell case.Lifetime warranty.

Theater Glasses with Program Light

- **Concerto:** Well-dressed in an elegant champagne finish. Blue case.
- **Encore:** Suited in black with gold-colored accents. Black case.
- **Ovation:** Proper, with gold-colored trim accenting the Mother-of-Pearl like finish. Red case.

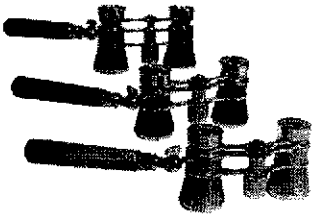


Theater Glasses with Program Light



Each theater glass comes with a carry pouch and storage case.

Theater Glasses with Handle



This adjustable handle makes viewing very comfortable.

Theater Glasses with Handle

Enjoy effortless viewing throughout the performance—these glasses feature an extended, adjustable handle for a more comfortable hold. With carefully cut and polished 3x optics, the full focus range of these theater glasses will draw you close to the performers, and bring you sheer delight as the drama unfolds.

Features of Theater Glasses with Handle
3x magnification, soft vinyl pouch, hard shell case. Lifetime warranty.

Theater Glasses with Handle
Prelude: Elegant silver finish and silver trim. Red case.
Sonata: Classic style with blue finish and silver trim. Blue case.
Symphony: Radiant with a red finish, accented with gold-colored trim. Black case

For Binoculars

Eagle Optics Bino System Harness Strap
Lift a load of weight off your neck and onto your shoulders with the Bino-System Harness. Fully adjustable with elastic straps, you can slide binoculars and cameras) up and out as needed without a concern for dropping them while you hike around.

Eagle Optics Neoprene Binocular Strap
Enjoy the cushiony comfort of this fully adjustable neoprene strap around your neck! Simply slip the tapered ends of this strap through the rainguard of your binoculars where it's always handy for protecting the lenses: strong, durable, washable.

Mini Link Strap
Eliminate neck strain and cut down on the swinging action of your binoculars, or camera, as you keep pace with wildlife. The Link Strap uses non-metal connections that won't scratch. It is an easy-to-use, inexpensive, alternative to the standard strap.

Vortex Tripod Adapter
Most binoculars mount on a tripod for more comfortable viewing over extended periods of time. Depend on this adapter to secure your binoculars on any tripod.

Eagle Optics Bino System Harness Strap

Eagle Optics Neoprene Strap for Binoculars

Mini Link Strap

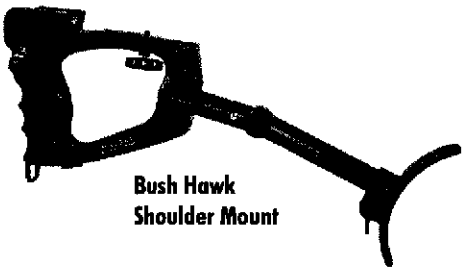
Vortex Tripod Adapter

For Spotting Scopes

Eagle Optics Car Window Mount
A simple twist of a knob secures Eagle Optics car window mount on the windowpane of your vehicle and transforms your vehicle into a portable blind for convenient viewing through any spotting scope! Simply loosen the handle to guide your scope: a counter-clockwise twist lets you pan and a clockwise twist locks the scene in place.

Eagle Optics Car Window Mount

Bush Hawk Shoulder Mount
Tired of lugging around bulky tripods for use with your spotting scope? The BushHawk shoulder mount was designed for you! It quickly adjusts to your needs — flexible enough to suit right-handed and left-handed viewers. Constructed of high-impact space age plastic for a lifetime of service to you!



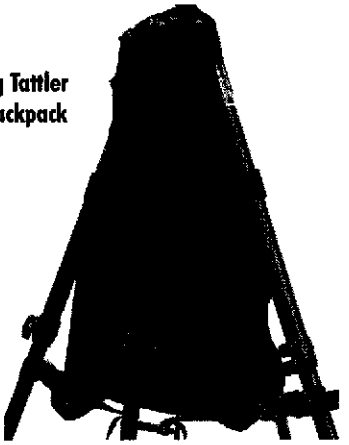
Bush Hawk Shoulder Mount

New Minox Windwatch Pro
The ultra-compact weather station!
Minox does it again with one of the smallest "weather stations" to be found. Within seconds, it is possible for you to measure wind speed, temperature, atmospheric pressure, altitude, and even humidity. Plus, the Windwatch Pro is ultra-compact and comes in a water-resistant housing — perfect for accurate estimations of the weather wherever you go!

Minox Windwatch Pro II Weather Station Features:
Lithium battery, cord strap.

The New Minox Windwatch Pro

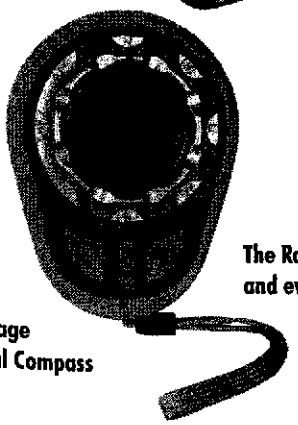
Wandering Tattler Tri-Pack Backpack
No matter how long your trek, you'll stride along in comfort with your tripod slung securely on your back. This Tri-Pack backpack keeps your hands free, and your tripod balanced.



Wandering Tattler Tri-Pack Backpack

Vortex Rage Digital Compass System
Access accurate, essential information anytime .. anywhere! The new Rage digital compass even factors in declination — no math needed in the field! Vortex tightly packs the Rage with an amazing amount of advanced technology into a rugged, lightweight, hand-held Digital Compass System (DCS).

- Digital compass
- Barometer
- Alarm
- Calender
- Time



The Rage is 100% waterproof and even floats!

The Rage Digital Compass

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DIGISCOPING

Do more with digiscoping!

Digiscoping is a unique kind of photography using a digital camera and a field spotting scope. Now you can expand your ability to photograph the wonders of nature by putting your digital camera to work with any spotting scope.

If you plan to invest in a spotting scope for digiscoping, the best results will come from high quality optical systems featuring High Definition (HD), Extra-low Dispersion (ED), Apochromatic (APO) glass, or Fluorite elements. Some of the more popular brands with digiscopers include Kowa, Leica, Swarovski, and Zeiss — but nearly any spotting scope, even binoculars, can be used for this exciting hobby.

A point-and-shoot digital camera can be held up to the spotting scope for more detailed images.

Need help with digiscoping?

Call Eagle Optics at 1-800-289-1132 today!

Lark Sparrow as digiscoped by Michael McDowell.

What do you really need for digiscoping?

Many people are excited by the incredible images they capture by simply holding their point-and-shoot digital camera up to the eyepiece of a spotting scope. Because not all digital cameras work well for digiscoping, please call us for advice regarding camera specifications.

Enjoy greater rewards

At Eagle Optics we can help you choose a digital camera and the adapters required for digiscoping. Though you're sure to be amazed by the professional-grade nature and wildlife images that can be acheived through most spotting scopes, more advanced systems will render higher quality results.

Proprietary Camera Adapters and Brackets

Spotting Scope	Digital Camera Adapter	Digital Camera Bracket Adapter	SLR/DSLR Photo Adapter
Kowa 66mm	Yes	Yes	Yes*
Kowa 77mm	Yes	Yes	Yes*
Kowa 88mm	Yes	Yes	Yes*
Leica 62mm Televid	—	Yes	Yes*
Leica 77mm Televid	—	Yes	Yes*
Leupold Golden Ring	Yes	—	—
Nikon 60mm Fieldscope	Yes	Yes	Yes Nikon SLR / DSLR only
Nikon 82mm Fieldscope	Yes	Yes	Yes
Swarovski 65mm Scopes	Yes	Yes	Yes*
Swarovski 80mm Scopes	Yes	Yes	Yes*
Vortex 80mm Skyline ED	Yes	Yes	—
Zeiss 65mm Diascope	(Digital Camera Eyepiece)	Yes	Yes*
Zeiss 85mm Diascope	(Digital Camera Eyepiece)	Yes	Yes*

*Some products require a T-ring specific to SLR/DSLR camera model.

Your spotting scope and digital camera make a grea team — letting you take home great memories of al your adventures.

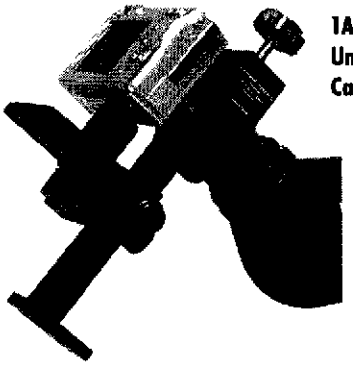
Why digiscoping?
By combining magnification from the spotting scope's eyepiece with the optical zoom of a digital camera, you'll be able to capture the splendor of wildlife while photographing from further away.

White Throated Sparrow as digiscoped by Michael McDowell.

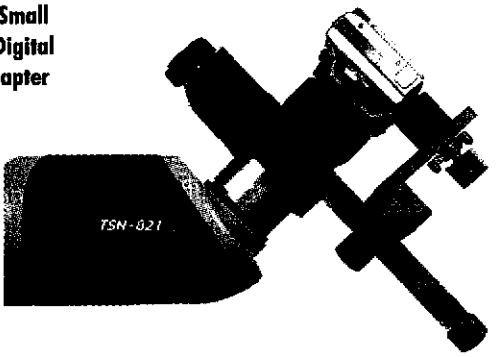
1. Vortex Universal Digital Camera Adapter

Vortex makes two sizes of this universal digital camera adapter bracket, allowing you to connect your digital camera to a spotting scope.

The Vortex DCA works with a variety of spotting scope eyepieces. Measure the outside diameter (OD) of the spotting scope eyepiece to choose the correct adapter bracket.



1A. Vortex Small Universal Digital Camera Adapter



1B. Vortex Large Universal Digital Camera Adapter

Small DCA
Fits 28-45mm Eyepieces (OD)

- Audubon 60mm Lightwave
- Bushnell 15-45x60 Spacemaster
- Eagle Optics 50mm Triumph
- Eagle Optics 60mm Denali
- Fujinon Super 60
- Fujinon Super 80 and Super 80 ED
- Nikon 13-30x50 Fieldscope
- Meopta 75mm Meostar
- Pentax PF-63
- Vortex 60mm Nomad
- Vortex 70mm Impact

Please call for information on any spotting scope or eyepiece combination not listed here.

1-800-289-1132

Large DCA
Fits 43-65mm Eyepieces (OD)

- Bushnell 80mm Elite
- Bushnell 60mm Legend
- Bushnell 80mm Legend
- Kowa 66mm with 20-60x Zoom
- Kowa 77mm with 20-60x Zoom
- Kowa 88mm with 20-60x Zoom
- Leica 62mm Televid
- Leica 77mm Televid
- Nikon 20-60x60 Fieldscope III
- Nikon 25-75x82 Fieldscope
- Nikon 65mm Prostaff
- Nikon 82mm Prostaff
- Pentax PF-65 ED II
- Pentax PF-80 ED
- Stokes 65mm Sandpiper
- Swarovski 65mm ATS / STS
- Swarovski 80mm ATS / STS
- Vortex 80mm Skyline
- Vortex 80mm Skyline ED
- Zeiss 65mm Dinscope
- Zeiss 85mm Diascope

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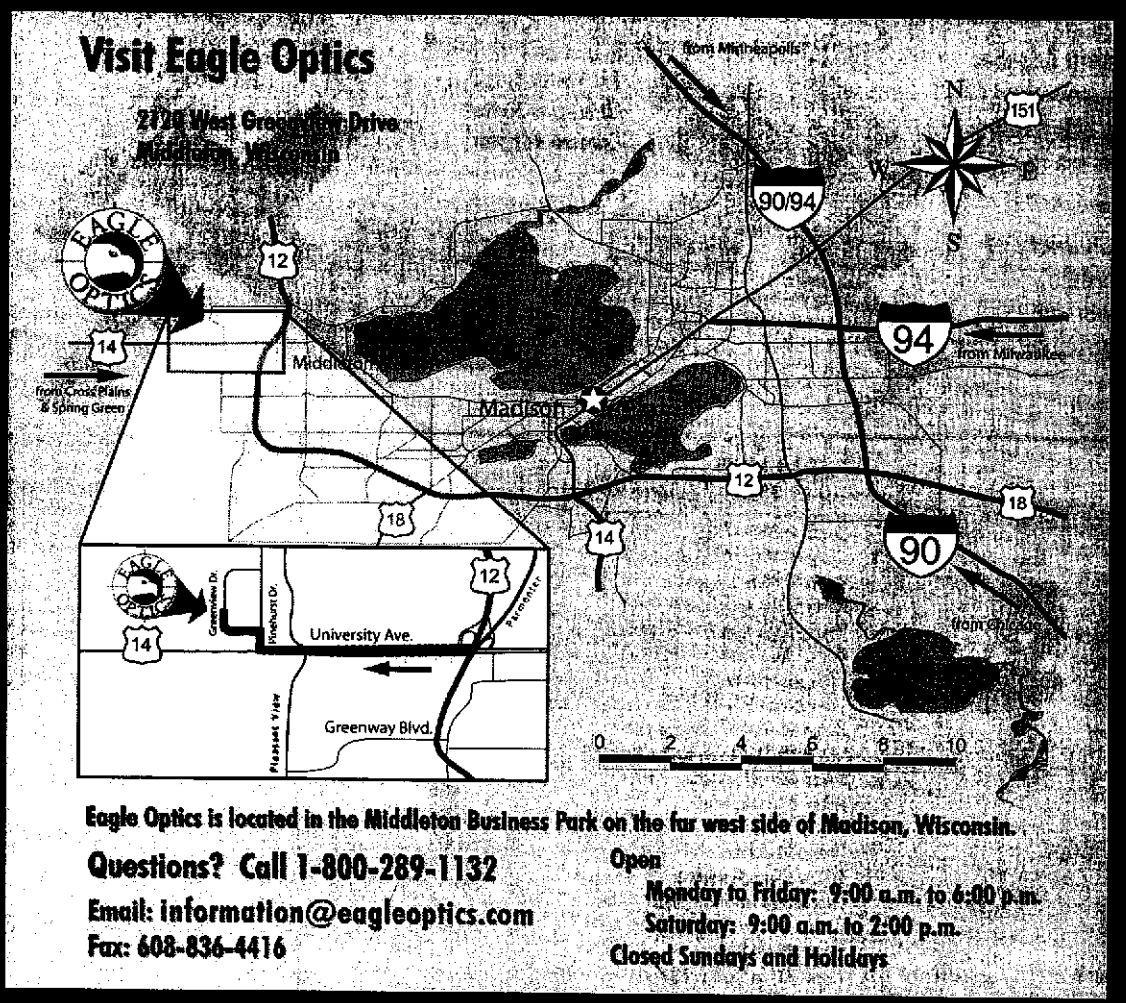

Eagle Optics is located in the Middleton Business Park on the far west side of Madison, Wisconsin.

Questions? Call 1-800-289-1132
Email: information@eagleoptics.com
Fax: 608-836-4416

Open
Monday to Friday: 9:00 a.m. to 6:00 p.m.
Saturday: 9:00 a.m. to 2:00 p.m.
Closed Sundays and Holidays

The right stuff...
The right place...
The right price.

EXHIBIT 8
TO DECLARATION OF
DANIEL C. HAMILTON

EAGLE OPTICS®

OPTIC OUTFITTERS™

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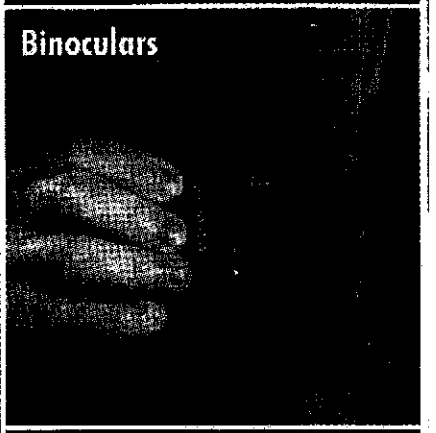
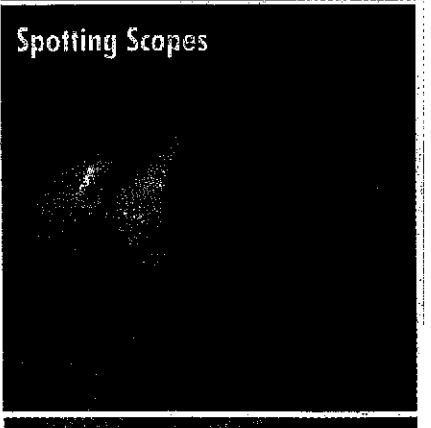
Binoculars



Spotting Scopes



Digiscoping and more.

Vol. 21– No. 1

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If you've been looking for the best selection in optics, then you've come to the right place. When it comes to outfitting you with the finest in optics, no one offers the professional expertise, product selection and unmatched service and support that you'll discover at Eagle Optics.

Inside, you'll find the most complete buying guide to quality field-tested binoculars, spotting scopes, tripods and accessories. Browse through our comprehensive catalog for unexcelled product selection and value or call one of our experienced and professional staff for questions and personalized service at 1-800-289-1132.

Visit us at www.eagleoptics.com for complete online information and purchasing options.

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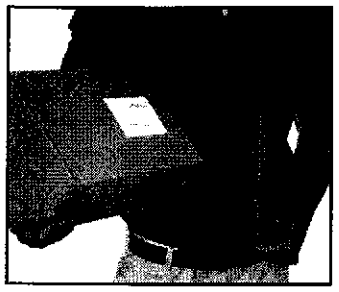
THE EAGLE OPTICS DIFFERENCE

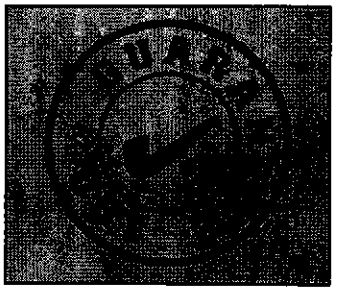
Friendly, Knowledgeable Service

At Eagle Optics we know details matter to you...especially when you are investing in fine optical instruments. That's why you can call our professional staff whenever you need to compare, contrast, or clarify information—no matter how simple or how specialized the question! E-mail your questions or comments to information@eagleoptics.com, or call 1-800-289-1132.



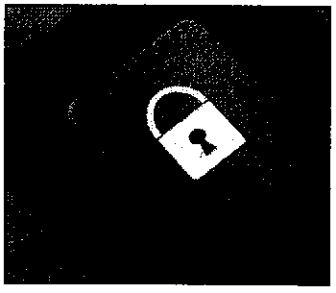
Fast UPS Ground Shipping

Eagle Optics is proud to offer our customers UPS Ground Shipping to the 48 contiguous states! You can expect in-stock orders to ship within one business day of receipt. Please allow 20 working days for orders paid for with a personal check.



Our 30 Day Exchange / Return Policy

Your absolute satisfaction matters to us! If you're not satisfied with your purchase, for any reason, simply return the product within 30 days for an exchange or full product refund. Customers are responsible for retrun shipping costs. Please return the product to Eagle Optics in new condition, with all the original packaging, and a copy of the Eagle Optics sale receipt.



Safe and Secure Online Sales

Eagle Optics guarantees that you can shop online with peace of mind. Our website is secured by QuickSSL 128-bit encryption for the highest possible level of online security. This means that your online transactions with Eagle Optics remain private and secure.

As Reviewed by Bird Watcher's Digest
- Nov/Dec '07 Wildlife Optics review

"We rated these binoculars a best buy at the $299.99 street price."

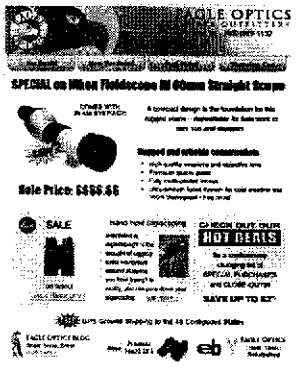
- Michael & Diane Porter
- Bird Watcher's Digest

Contact our professional staff of experts with any of your optics questions.

800·289·1132

www.eagleoptics.com

The Eagle Optics Online Newsletter



The Eagle Optics newsletter is a weekly email full of information on special promotions, closeout deals and nature observation tips. We'll also keep you informed about various birding festivals held across the country where you can meet our staff.

To start your subscription, sign up on our home page at ***www.eagleoptics.com***.

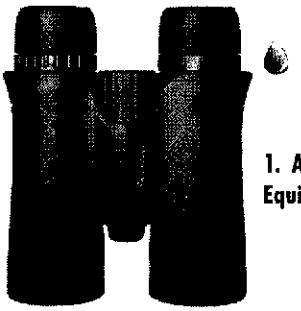
AUDUBON BINOCULARS

Audubon Binoculars

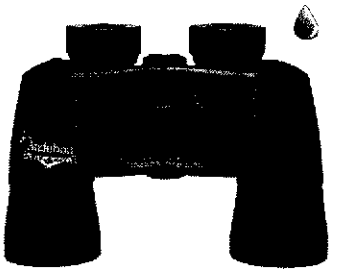
The officially licensed binoculars by Vortex for the National Audubon Society. Limited lifetime warranty on all binoculars.

1. Audubon Equinox HP — Impressive Quality
Audubon's top-of-the-line binoculars put bluebirds, butterflies, deer, and even flowers in a whole new light. Plus, with lightweight construction and ergonomic contours, easy handling over long hours is a given! It's clear that each Audubon HP is built to deliver amazing images—even with the challenges of viewing in rain, dust, temperature extremes, and other natural hazards.

Audubon Equinox HP Features:
Phase-corrected, fully multi-coated lenses, Extreme Performance (XP) coatings, deluxe multi-position eyecups, textured rubber armor, waterproof, fog proof with nitrogen purging, custom carry case, rainguard, tethered objective lens covers, neoprene neck strap.



1. Audubon Equinox HP

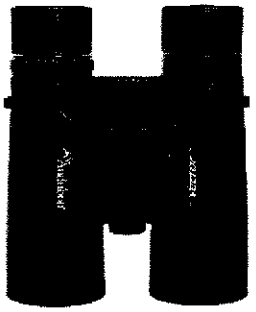


2. Audubon Raptor

2. Audubon Raptor — Wide field advantage
When you need sharp details and true-to-life colors across the field, rely on the proven quality of the Raptor. With one of the widest fields available, high index Porro prisms and precisely-ground lenses, the Raptors deliver wonderful 3-D images of wildlife and landscapes from dawn to dusk. Rain or shine, these binoculars will leave you smiling with performance that won't fail!

Audubon Raptor Features:
Ergonomic center focus wheel, fully multi-coated lenses, high index prisms, twist-and-lock eyecups, waterproof, fog proof with nitrogen purging, rubber armor, rainguard, protective carry case, objective lens cap, wide neck str

3A. 25mm Vector

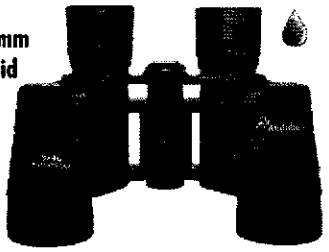


3B. 42mm Vector

3. Audubon Vector — For lovers of adventure
Enjoy the rewards of lightweight, durable, and portable binoculars—all for a remarkably low price! Vector binoculars are fully waterproof and fog proof. Lightweight? Yes! Even the full size Vectors are made for carefree adventures in the outdoors!

The dual folding hinges of the 25mm Vector collapse for neat storage in a pack or pocket, making it perfect for a camping trip, kayak expedition, or just a quick walk through the park .. no matter how nasty the weather forecast.

Audubon Vector Features:
Fully multi-coated lenses, ergonomic center focus wheel, rubber armor, waterproof, nitrogen purged, rainguard, protective carry case and neck strap. *Compact Vectors feature multi-coatings and dual hinge construction.



4. 40mm Intrepid

4. Audubon Intrepid — "Great binocular viewing ... and a great low price"
Take the field and leave the bulk behind. The Intrepid promises wide-field, pleasing 3-D qualities for crisp views of whatever passes by your window. These binos are definitely up to off-roading in the wet, dusty, humid conditions nature throws your way. At such a reasonable price, you'll wonder why you haven 't gone the way of the Intrepid before!

Audubon Intrepid Features:
Fully multi-coated lenses, BaK-4 prisms, large center focus, rubber armor, waterproof, nitrogen purged, protective carry case, wide neck strap.

5. 25mm Compact

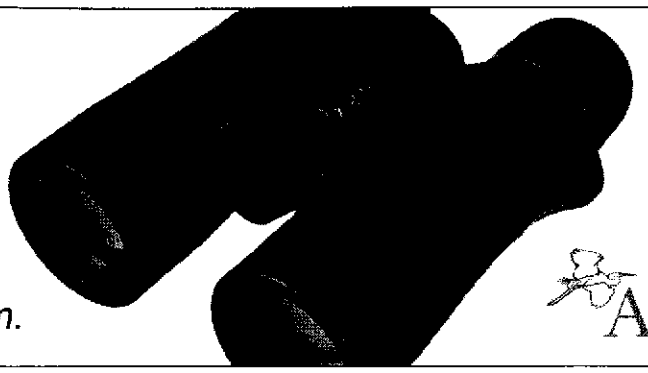
5. Audubon Compact — So bright and light
Keep an Audubon Compact close by and add a new dimension to your life. Whether you're watching birds at your feeder or traveling to our national parks, you'll reap greater rewards with the bright views of these economical binoculars—popular for good reason.

Audubon Compact Features:
Quality multi-coated lenses, ergonomic center focus, reverse Porro prism, twist-and-lock eyecups, protective carry case, neck strap.

	Equinox HP		Raptor		Vector				Intrepid		Compact	
	8x42	10x42	8x42	10x42	8x25	10x25	8x42	10x42	8x40	10x40	8x25	10x25
Eye Relief	19.5 mm	16 mm	17 mm	16 mm	14 mm	8 mm	19 mm	16 mm	19 mm	19 mm	18 mm	18 mm
Close Focus	5'	5'	12'	14'	4'	8'	6'	6'	10'	10'	8.5'	8.5'
Field of View (1000 Yards)	336'	315'	430'	346'	330'	299'	315'	315'	315'	270'	330'	262'
Height	5.75"	5.75"	5.5"	5.5"	2.5"	2.5"	5.9"	5.9"	5.4"	5.4"	3.8"	3.8"
Width	5.1"	5.1"	7.5"	7.5"	4.1"	4.1"	5.0"	5.0"	7.1"	7.1"	4.3"	4.3"
Weight	23.6 oz	23.4 oz	29.0 oz	29.0 oz	8.8 oz	8.8 oz	22.2 oz	21.8 oz	22.0 oz	22.0 oz	10.8 oz	10.8 oz

EQUINOX HP™
10x42

Binoculars built to last
... made to perform.



Audubon

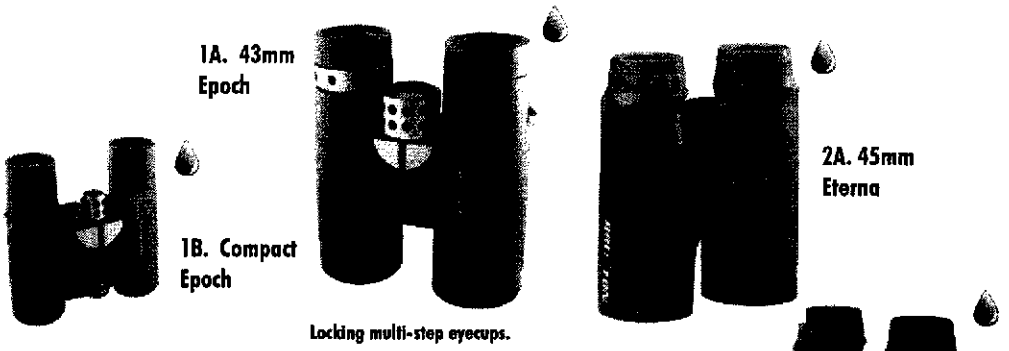
Brunton Binoculars

Focusing in on the needs of the outdoor enthusiast. Brunton HALO™ unconditional lifetime warranty on Epoch and limited lifetime warranty on Eterna binoculars.

1. Epoch Roof Prism Seriess
Introducing the remarkable prowess and luxury performance of the full-size Epoch™ binocular. With sophisticated optical and mechanical systems, the Epochs will rouse the true spirit of every serious outdoor enthusiast. One of the most unique developments is the Variable Speed Focus System™ that lets you acquire details from 30 feet out to infinity with a minimal turn of the focus wheel—and see shockingly close at a near focus of just 36 inches.

Birders, hikers, and travelers alike will find any adventure more rewarding with the Epoch Compact binocular which has many of the same features as the 43mm—just in a smaller, sleeker and durable pocket size.

Brunton Epoch Features:
Phase corrected, Flat Light™ objective lens coatings, full multi-coatings, AL-HR reflective coating on prism backs, aspheric ocular lenses, multi-step eyecups, waterproofing, fog proof with nitrogen purging, anti-fog lens coating, magnesium alloy body, ergonomic frame, rubber armoring, pop-up and removable OptiVisors™ lens covers, quick-connect neck strap, hard Pelican™ carry case.



1A. 43mm Epoch

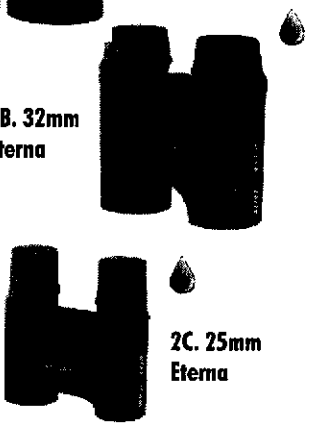
1B. Compact Epoch

2A. 45mm Eterna

Locking multi-step eyecups.

2 Eterna series
What's in a name? In the case of the Brunton Eterna binocular (meaning "forever") it means a ruggedness that's made to last. For almost two decades, the Eterna line of binoculars has been a cornerstone for quality and performance at Brunton. Building on this tradition means durability is a priority that benefits you no matter where you spend your time.

Brunton Eterna Features:
Phase corrected, BaK-4 prism glass, Emerald Fire™ full multi-coatings, AL reflective coating on prism backs, multi-step eyecups, waterproofing, fog proof with nitrogen purging, ergonomic body armor, tripod adaptable, lens covers, neck strap, carry case.



2B. 32mm Eterna

2C. 25mm Eterna

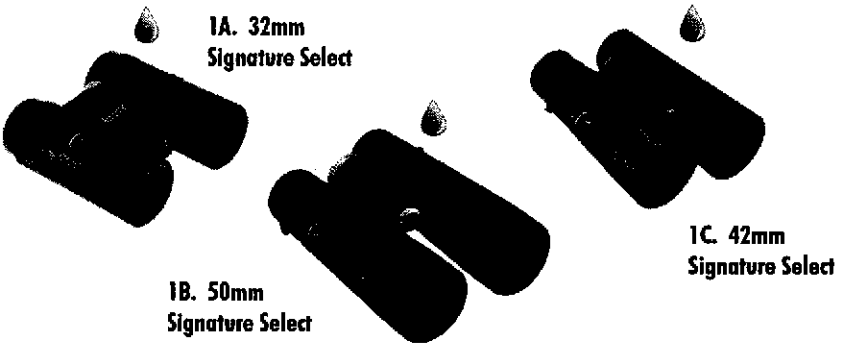
	Epoch Series					Eterna Series					
	8x21	10x25	7.5x43	8.5x43	10.5x43	8x25	10x25	8x32	10x32	8x45	11x45
Eye Relief	15 mm	15 mm	20 mm	19.5 mm	17 mm	18.5 mm	17 mm	16 mm	15 mm	20 mm	19.5 mm
Close Focus	6'	6'	3'	3'	3'	6'	8'	4'	4'	8'	8.0'
Field of View (1000 Yards)	393'	314'	370'	315'	290'	270'	260'	394'	315'	315'	305'
Height	4.3"	4.3"	6.0"	5.8"	5.8"	4.8"	4.8"	5.4"	5.4"	6.0"	6.0"
Width	4.0"	4.8"	5.0"	5.0"	5.0"	3.8"	3.8"	4.8"	4.8"	5.1"	5.1"
Weight	13.0 oz	13.5 oz	26.0 oz	25.0 oz	25.0 oz	12.0 oz	12.0 oz	25.0 oz	25.0 oz	28.0 oz	28.0 oz

Burris Binoculars

Burris exclusive Forever Warranty covers all Signature Select and Euro Diamond binoculars.

1. Signature Select — One for every application.
Starting with premium optical glass, the Burris Signature Select binoculars are precision-ground to tight tolerances, then highly polished for super sharp views that are free from distortion. With generous eye relief, a well-balanced field of view, and extremely tight collimation specifications, Burris makes a line of rugged binoculars that are both easy to carry and comfortable to use.

Burris Signature Series Features:
Phase corrected, broadband full multi-coatings, silver-coated BaK-4 prisms, twist-up eyecups, lockable diopter, waterproof, fog proof, armored, protective field carry case, padded neck strap.



1A. 32mm Signature Select

1B. 50mm Signature Select

1C. 42mm Signature Select

2. Euro Diamond Series
Burris puts the best of the best in each Euro Diamond binocular for views that will amaze you. Not only do these 42mm and 50mm binoculars set a high standard in image quality, each bino in the series offers you an expansive field of view with generous eye relief for wearing eyeglasses or sunglasses. Built to deliver the finest views on the roughest trails, Burris fully expects you to continue watching wildlife forever—and says so with their lifetime warranty.

Burris Euro Diamond Series Features:
Phase corrected, broadband full multi-coatings, silver-coated prisms, long eye relief, integrated right eye diopter, waterproof, fog proof, open-hinge design, shock-resistant housing, protective field carry case, padded neck strap.

2A. 50mm Euro Diamond

2B. 42mm Euro Diamond

	Signature Select Series						Euro Diamond Series		
	8x32	10x32	8x42	10x42	10x50	12x50	8x42	10x42	12x50
Eye Relief	19 mm	13 mm	19 mm	19 mm	19 mm	19 mm	20 mm	18 mm	20 mm
Close Focus	5'	6'	10'	8'	10'	10'	8.2'	8.2'	9.8'
Field of View (1000 Yards)	333'	271'	331'	262'	262'	220'	393'	314'	262'
Height	4.25"	4.25"	5.5"	5.5"	6.5"	6.5"	6.4"	6.4"	7.1"
Width	4.5"	4.5"	5.0"	5.25"	5.25"	5.25"	5.25"	5.25"	5.75"
Weight	16.0 oz	16.0 oz	22.0 oz	23.0 oz	27.0 oz	27.0 oz	30.0 oz	30.0 oz	35.0 oz

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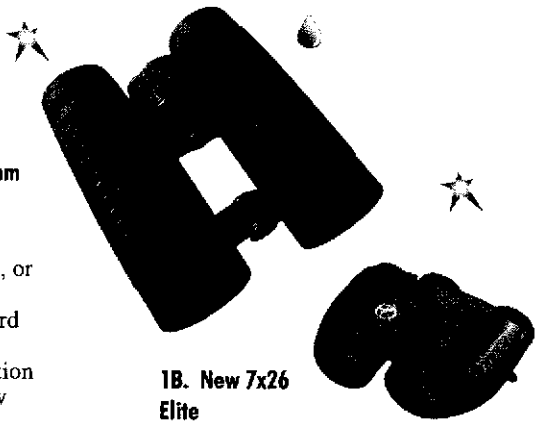
BUSHNELL BINOCULARS

Bushnell Binoculars

Experience dating back to 1947 and continuing with contemporary binocular design. Bushnell lifetime warranty.



1A. New 43mm Elite

1B. New 7x26 Elite

1. Elite Binocular Series — The name says it all!

The Elites really live up to their name in every way and are excellent choices for general birding and long-distance wildlife observation. Venture into any terrain and leave behind concerns about dust, fog, or water getting in the way of amazingly clear, bright views. The solid construction and comfortable viewing through the Elite (open-hinge design) will have you looking forward to longer days in the field—focusing all your attention on the wildlife before you.

Updated for 2008, the 43mm Elite binoculars now feature a locking focus and multi-position eyecups (four stops) for greater comfort and a more custom fit of the eye relief. The new checkered pattern will provide an even more solid-grip surface.

The reverse Porro prism design of the Elite 7x26 allows Bushnell to add a reasonably-priced compact binocular to the Elite line of binoculars. This unique combination of size and power makes the 7x26 Elite a great choice for birders and butterfly watchers.

Bushnell Elite Features:
Fully multi-coated with XTR anti-reflection coatings, waterproof, Rainguard® water-repellent lens coating, 4-position eyecups, central locking diopter dial, rubber armor, magnesium chassis, scratch-resistant powder coat. The **Elite 43mm and 50mm** binoculars also have PC-3 phase coating, are tripod adaptable, have 4-stop multi-position eyecups, and come with ocular and objective lens covers, a custom-molded case and deluxe quick-connect secure strap.

RAINGUARD® Protection

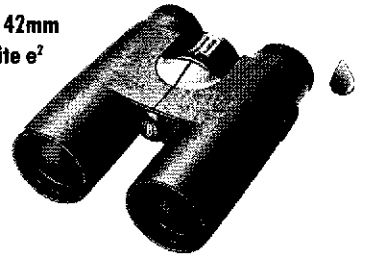
Clearer, brighter views — even in the rain

If you've ever had to watch wildlife through binoculars clouded by the effects of condensation, you'll appreciate how Bushnell's permanent, patented protection clears up your view. Rainguard is a lens coating that prevents fogging caused by condensation from rain, sleet, snow, or even your own breath. Water drops bead up into much smaller droplets than with standard coatings. These smaller droplets scatter less light, so your view is as bright as the sun.

2. Elite e² Binoculars — Tough, lightweight and bright!

Bushnell raises the bar once more and puts super-premium clarity and brightness within reach of the most avid outdoor enthusiast. Rugged, yet lightweight, the Elite e2 is totally prepared to face any weather or terrain you find yourself in! Easy handling is another trait of the Elite e2 binoculars—guaranteeing accurate views from a distance and as close as eight feet.

Bushnell Elite e² Features:
Aspherical lens system, Advanced Fusion Hybrid Lens System, XTR technology, fully multi-coated, PC-3 phase coating, BaK-4 roof prisms, waterproof, fog proof, Rainguard® water-repellent lens coating, twist-up eyecups, magnesium chassis, rubber armored, custom-molded carry case, quick-connect secure neck strap.



2. 42mm Elite e²

3. Infinity Binoculars — Absolutely waterproof and fog proof!

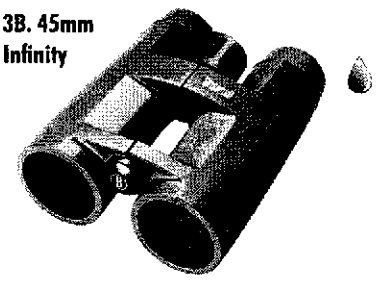
Can one pair of binoculars do it all? With Bushnell's new Infinity binoculars, the possibilites really are infinite. For outdoor sports, birding, camping ... Bushnell ups the power and size for greater versatility in a full size binocular. The lightweight open-bridge styling of the Infinity is a good example of the open-minded thinking that Bushnell put into this rugged binocular.

Is the Infinity tough? Absolutely! Bottom line? When you choose an Infinity binocular, you'll be set for steady handling that lets you focus on fine details when it counts—whether the details are feathers, fur, or the gaping smile of a snapper on your trail.

Bushnell Infinity Features:
PC-3 phase coating with Super High Reflection (SHR) coating, fully multi-coated optics, BaK-4 roof prisms, waterproof, fog proof, rubber armored, twist-up eyecups, carry strap, neck strap.

	Elite Series			Elite e²		Infinity		
	7x26	8x43	10x43	8x42	10x42	8–16x42	8.5x45	10.5x45
Eye Relief	15.5 mm	19.5 mm	17 mm	19.5 mm	15.5 mm	21–15.5 mm	19.5 mm	15.5 mm
Close Focus	8'	8'	8'	8'	8'	13'	6.7'	6.7'
Field of View (1000 Yards)	314'	372'	314'	350'	314'	220–157'	314'	299'
Height	3.5"	5.25"	5.25"	5.6"	5.6"	6.0"	6.1"	6.1"
Width	4.5"	5.25"	5.25"	4.9"	4.9"	5.0"	5.3"	5.3"
Weight	12.0 oz	23.0 oz	23.3 oz	25.7 oz	26.1 oz	29.9 oz	25.0 oz	25.5 oz

3A. New 8–16x42 Infinity



3B. 45mm Infinity

Bushnell

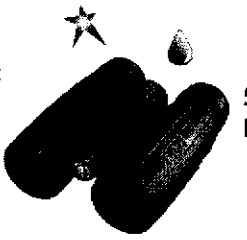
ELITE ED
80mm Spotting Scopes

See page 29.

5. New Excursion EX Binoculars —

The Excursion EX binocular is most at home in your hands. Designed with a double-bridge housing you can easily grasp with gloved hands, the rugged, lightweight composite chassis of the Excursion EX is ready to face any situation you do!

Bushnell Excursion EX Features:
PC-3 phase coated BaK-4 prisms, fully multi-coated, twist-up eyecups, ridged rubber armor, tripod adaptable, case, quick-attach neck strap, eyepiece and objective lens covers.



5. New 36mm Excursion EX

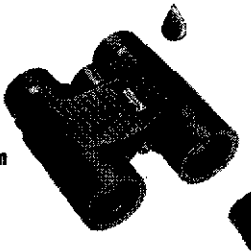
6. Excursion Roof Prisms

Dynamic in both low and bright light.

With high quality prisms and variety of image-enhancing coatings, the full-size Excursion binoculars are perfect for low light conditions where they make even the most ordinary outing more dynamic and memorable. Close-up study of wildlife just got better with the compact 28mm and wide-field 32mm binoculars. When a daytime outing is on your agenda, pack the big-time brightness and clarity of the Excursions.

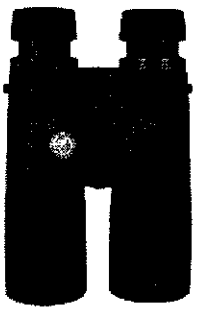
Bushnell Excursion Features:
PC-3 phase coating, BaK-4 prisms, fully multi-coated, waterproof, nitrogen purged, twist-up eyecups, large center focus, composite chassis, textured non-glare rubber armor, tripod adaptable, lens covers, case and neck strap.

6A. 42mm Excursion



6B. 32mm Excursion

6C. 28mm Excursion



7A. 42mm Natureview Roof Prism

7B. 42mm Natureview Porro Prism

7. Natureview Birding Series

When a flutter of feathers draws your eye to the shadowy areas at dusk, discover more critical field markings with a Natureview. The 42mm lenses, fully multi-coated optics and high-density prisms clearly work together to help you identify which little brown bird is busily probing for seeds and insects on the forest floor. A large textured center focus knob makes it easy for you to make precise focal adjustments and not miss any fascinating bird behavior. Choose between classic Porro prisms or the trimmer roof prisms. Both are designed for all-day viewing comfort.

Bushnell Natureview Features:
Fully multi-coated, BaK-4 prisms, fold-down eyecups, waterproof (roof prism models), non-slip rubber armor, tripod adaptable, case and neck strap, eyepiece and objective lens covers.

8A. 42mm Legend Roof Prism

Legend Binocular Series

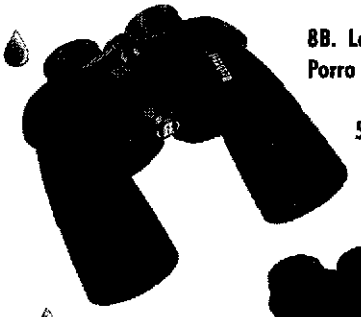
The Legend binoculars offer seasoned dependability and reliably crisp, clear colors to savor. When a snow shower won't keep you inside the warmth of your cabin, you can count on the Legends the moment you step outside. Legends will keep working in unruly conditions as long as you do—staying watertight even when you're soaked and chilled to the bone.

8A. Legend Roof Prisms — Rugged and ready
Pick up the power you need to scan far-off ridgelines and low-lying meadows for wildlife. The Legends roof prisms deliver outstanding views from as close as six feet and off to the most distant horizon with crystal clear views and brilliant color.

The Legend roof prisms let you move about with confidence, thanks to the robust design and shock-absorbing armor. These binoculars can handle treks through marshes, splashes in mountain streams, and a total drenching in downpours.

8B. Legend Porro Prisms — Power and value
Birds, big game, and even the stars stand out with incredible detail from one edge of the wide viewing field to the other. Bushnell uses BaK-4 Porro prisms for bright images of wildlife at any range.

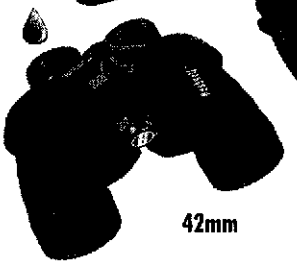
Available in three sizes, these Legends are built tough to withstand driving rains or heavy snowstorms, and are armored with a black non-glare solid-grip textured body that won't draw attention. At such a reasonable price, the value is clear!



8B. Legend Porro Prisms

50mm

26mm



42mm

Bushnell Legend Binocular Features:
Fully multi-coated, BaK-4 prisms, waterproof, fog proofing with nitrogen purging, Rainguard® water-repellent lens coating, twist-up eyecups (pop-up on compacts), large center focus, textured non-glare rubber armor. **Full-size models** are tripod adaptable and come with case and neck strap, ocular and objective lens covers. **Roof Prisms** also have PC-3 phase coating.

	Excursion EX Series				Excursion Series					Legend Series						Natureview		
	Mid Size		Full Size		Pockets		Mid Size	Full Size		Roof Prisms		Porro Prisms				Roof Prisms		Porro Prism
	8x36	10x36	8x42	10x42	8x28	10x28	8x32	8x42	10x42	8x42	10x42	8x26	10x26	8x42	10x50	8x42	10x42	8x42
Eye Relief	17.8 mm	15.6 mm	17.2 mm	15.5 mm	15 mm	15 mm	15 mm	17 mm	15 mm	18 mm	15 mm	15 mm	15 mm	15 mm	15 mm	17 mm	17 mm	19 mm
Close Focus	5.5'	5.5'	6.5'	6.5'	6'	6'	6'	7'	7'	6'	6'	10'	10'	12'	18'	15'	15'	13'
Field of View (1000 Yards)	426'	321'	414'	330'	417'	335'	426'	426'	340'	330'	315'	290'	262'	430'	340'	330'	315'	412'
Height	4.8"	4.8"	5.8"	5.8"	4.4"	4.4"	4.8"	5.75"	5.75"	5.75"	5.75"	4.1"	4.1"	5.25"	7.2"	7.0"	7.0"	5.75"
Width	4.5"	4.5"	4.8"	4.8"	4.5"	4.5"	4.5"	5.0"	5.0"	4.9"	4.9"	4.8"	4.8"	7.1"	7.4"	5.0"	5.0"	7.1"
Weight	21.5 oz	21.5 oz	22.1 oz	22.2 oz	15.2 oz	15.2 oz	20.5 oz	24.7 oz	24.7 oz	24.5 oz	24.9 oz	14.0 oz	15.0 oz	24.0 oz	28.0 oz	23.0 oz	23.0 oz	26.0 oz

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Canon Binoculars

Making use of the advanced technologies used in Canon cameras, plus the amazing Image Stabilizer system. 3-Year limited warranty

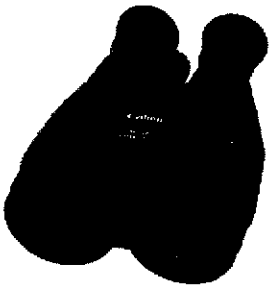
1. Image Stabilized Binoculars — Maximize viewing without the shake
State-of-the-art technology makes high magnification truly practical by getting rid of shaky images that would blur your view. Canon's use of their innovative Optical Image Stabilization technology, a doublet field flattener to reduce curvature of the field, and multiple layers of Canon's unique Super Spectra coatings work together to improve the overall image quality by maximizing contrast and minimizing color aberration.

1A-B. Full Size Image Stabilized Binoculars
Choose the 10x50 fro incredibly long-ranging views with excellent light-gathering ability. Canon's 10x42 L IS, the first completely waterproof image stabilized binocular, brings long-range birding and wildlife watching to a fantastic new level. Special lens coatings prevent fogging, and the ribbed surface ensures a secure grip, making these 10x42 binoculars an excellent choice for marine activities as well. Just think of all of the possibilities.

1C. Mid Size Image Stabilized Binoculars
Lightweight and compact, this IS binocular works extremely well for watching wildlife, spectator sports, theatrical performances, and general observation.

Canon Image Stabilized Features:
Vari-Angle Prism system of vertical and horizontal sensors detects motion, Microprocessor to adjust the Vari-Angle Prism system according to the amount of binocular shake detected, two AA batteries, eyepiece covers, case and neck strap.

Image Stabilized Binoculars



1A. 15x50 IS

1B. 10x42 L IS

1C. 12x36 IS II

Image Stabilized Binoculars	10x30	12x36	10x42	15x50	18x50
Eye Relief	14.5 mm	14.5 mm	16 mm	15 mm	15 mm
Close Focus	13.8'	19.7'	8.2'	19.7'	19.7'
Field of View (1000 Yards)	314'	262'	340'	236'	194'
Height	5.9"	6.9"	6.9"	7.6"	7.6"
Width	5.0"	5.0"	5.4"	6.0"	6.0"
Weight	22.2 oz	23.3 oz	36.8 oz	41.7 oz	41.7 oz

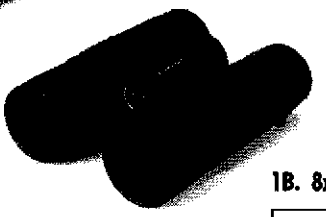
Celestron Binoculars

Recognized as a world leader in astronomical telescopes, Celestron offers you precision-assembled binoculars for nature observation. Celestron lifetime warranty.

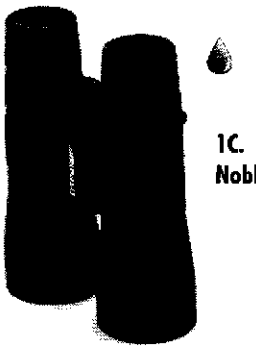
1. Noble — Waterproof and packed with value.
Looking for exciting views of birds and other wildlife? Celestron packs great features into a nice variety of sizes for a wide range of activities from watching birds and butterflies in your own neighborhood to admiring bison, bears, moose, and elk in a wildlife refuge. No matter where you travel, go ahead and view without concern in poor weather—a rugged Noble binocular won't let you down. Even if it rains, you won't need to shelter a Noble binocular.

Celestron Noble Features:
Phase-coated, fully multi-coated, BaK-4 prisms, waterproof, fog proof with nitrogen purging, twist-up eyecups, ribbed exterior, rubber armor, tripod adaptable, soft carrying case, rainguard, strap.

1A. 8x32 Noble



1B. 8x42 Noble



1C. 10x50 Noble

Noble Series	8x32	8x42	10x42	10x50
Eye Relief	20 mm	20 mm	16 mm	20 mm
Close Focus	5'	8'	8'	9'
Field of View (1000 Yards)	393'	341'	314'	262'
Height	4.9"	5.75"	5.75"	6.7"
Width	4.8"	5.1"	5.1"	5.2"
Weight	19.0 oz	23.0 oz	24.0 oz	27.0 oz

Eagle Optics Binoculars

Building a reputation for unmatched customer service, and an exceptional selection of quality products at extremely competitive prices. Eagle Advantage transferable limited lifetime warranty.

Platinum Protection for life!

Eagle Optics is totally dedicated to your satisfaction. If your Ranger SRT and Denali binoculars should require service or repair not covered by our lifetime guarantee, Eagle Optics will take care of any repairs or replacements — no matter how the damage occurred!

1. The Ranger SRT Binoculars

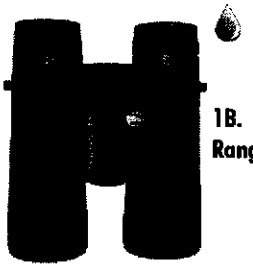
Enhanced for even more amazing views!

No matter where you travel, you can enjoy absolutely phenomenal views with a Ranger SRT binocular (**S**uperior **R**esolution **T**ransmission **SRT** coatings). Begin your day before dawn and stay out past twilight and still expect the best views. You won't spend a fortune, but you will get outstanding brightness and color fidelity.

Head to the tropics or the arctic. View in salt spray or desert dust. These popular binoculars are built waterproof and rugged with a sleek, lightweight body for easy handling. Comfortable multi-position eyecups (built on a metal frame for durability) let you take full advantage of long eye relief for a pleasing, wide field of view. Completely covered by Platinum Protection—for life!

Eagle Optics Ranger SRT Features:
Phase corrected, full multi-coated, ergonomic styling, waterproof, fog proof with nitrogen purging, twist-up multi-position eyecups, comfort neck strap, rainguard, tethered objective lens covers, padded carry case.

1A. 32mm Ranger SRT



1B. 42mm Ranger SRT

1C. 50mm Ranger SRT

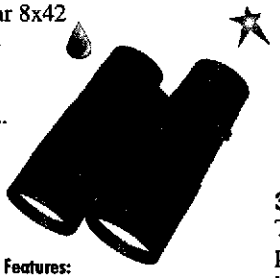
1A. Ranger SRT 32mm Class
Hailed as superb for birding (and one of the very best for the price) the 32mm Ranger SRT binocular is made for long days of carefree viewing! Draw near to butterflies, dragonflies and other insects for bright, true-color images from as little as three feet away.

1B. Ranger SRT 42mm Class
Choose the 8x42 Ranger SRT for fine viewing in a wide variety of situations. Pick up a boost in magnification with the 10x42 Ranger SRT and watch as elk, broad-winged hawks and sandpipers come clearly into view.

1C. Ranger SRT 50mm Class
One of the very best nature-viewing binoculars for the price, the 50mm SRTs will have you viewing from sun up to sun down without any cares—and after sunset you'll be set for a great look at the moon and your favorite constellations! When you head out with a 50mm Ranger SRT, you'll love the look!

2. New Denali 42mm — Exceptional value

New to the outdoor scene in 2008 is the re-designed Denali. Sleek and elegant in form, the backbone of the Denali starts with a solidly engineered waterproof, fog proof chassis. Fine phase-corrected optics take viewing to an equally high level of satisfaction at any distance. Whether you choose the popular 8x42 or the higher-powered 10x42, a 2008 Denali really is one of the best values you'll find.



2. New 42mm Denali

Eagle Optics 42mm Denali PC Features:
Phase corrected, fully multi-coated, BaK-4 prisms, waterproof, fog proof with nitrogen purging, metal-reinforced twist-up eyecups, rainguard, tethered objective lens caps, comfort neck strap, carry case. Platinum Protection.

3. Triumph Binoculars — Great optics for less!

Eagle Optics responded to your requests for lighter, yet sturdy binoculars, by using lightweight composite materials in all the Triumph binoculars—from the smallest to the largest.

3A. New 25mm Triumph Roof Prism

3B. 25mm Triumph Reverse Porro Prism

3. Triumph Porro Prisms

3A. New 25mm Triumph Roof Prism
The light weight of this waterproof roof prism is a real plus for anyone who doesn't want to be weighed down. The barrels fold down close enough to fit the smaller space between a child's eyes.

3B. Triumph Reverse Porro Prism
Small in size and weighing less than ten ounces, the popular Triumph reverse Porro prism is easy to carry along and gives a clear boost in magnification for much less than you'd imagine.

Eagle Optics Triumph Compact Binocular Features:
Fully multi-coated, waterproof (roof prism only), twist-up eyecups, case and neck strap, lens covers.

3C-D. Full Sizes Triumphs
The 7x35 Triumph is an introductory bino that gives you a wide field of view. Choose the 8x42 as a workhorse for any situation. You can capture distant details with the 10x50.

Eagle Optics Triumph Full-Sized Binocular Features:
Multi-coated, BaK-4 prisms, rubber eyecups, case and neck strap, ocular and objective lens covers.

4. 8x21 Energy Pockets

Pick up the Energy for equally light, bright views – fitting your lifestyle with a rainbow of charismatic colors! Whether your adventures begin in the city, or on a remote trail, you'll pack more into less with the Energy!

Available in five bold colors!

Eagle Optics Energy Features:
Fully coated, double hinge, rubber eyecups, rainguard, case and cord neck strap. Choices: Star (silver), Moon (blue), Sun (yellow), Lava (red), Ocean (green).

	Ranger SRT Series						Denali		Triumph (New Roof Prisms)		Triumph					Energy
	6x32	8x32	8x42	10x42	10x50	12x50	8x42	10x42	8x25	10x25	8x25	10x25	7x35	8x42	10x50	8x21
Eye Relief	19.5 mm	16 mm	19.5 mm	16 mm	20 mm	15.5 mm	18 mm	14.5 mm	15 mm	10 mm	18 mm	18 mm	12 mm	14 mm	13 mm	8 mm
Close Focus	3'	3'	5.2'	5.2'	8'	8'	7'	7'	6.6'	6.6'	8.2'	8.2'	12'	13'	22'	8'
Field of View (1000 Yards)	409'	393'	341'	314'	262'	251'	408'	318'	348'	341'	330'	262'	483'	430'	342'	383'
Height	4.9"	4.9"	5.75"	5.75"	6.7"	6.7"	5.4"	5.4"	4.5"	4.5"	3.8"	3.8"	4.75"	5.75"	7.6"	3.75"
Width	4.8"	4.8"	5.1"	5.1"	5.2"	5.2"	5.0"	5.0"	4.3"	4.3"	4.3"	4.3"	7.0"	7.1"	7.5"	2.3"
Weight	19.4 oz	19.2 oz	21.8 oz	21.6 oz	26.2 oz	25.8 oz	21.9 oz	21.9 oz	9.1 oz	9.1 oz	10.2 oz	10.2 oz	20.4 oz	22.8 oz	29.6 oz	6.0 oz

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Fujinon Binoculars

Fujinon binoculars incorporate advanced optical technology and are widely used on naval and coast guard vessels. Fujinon lifetime warranty.

1. Polaris Binoculars — Bright by day and night

Polaris. The very name points you in the right direction. Made for exploring the wide open night sky, you'll be rewarded with outstanding views whenever you face the challenge of watching wildlife in low light. How? EBC coatings and high quality optics work to deliver true colors and increase the overall brightness by 95% across the full visible spectrum.

Built to military specifications, Polaris binos are waterproof and resist the effects of humidity and temperature extremes. Plus, the Polaris binoculars feature an aluminum alloy body that is lightweight, yet so durable!

Fujinon Polaris Features:
EBC anti-reflection coatings on each lens and prism surface, silvered mirror prisms, waterproof, dry nitrogen filled and sealed, aluminum alloy chassis, rubber armor*, fold-back eyecups, individual focus, rainguard and built-in objective lens covers.

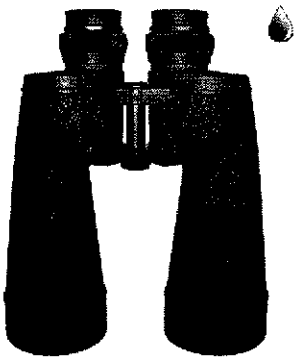
2. Techno-Stabi — Popular with boaters

Pitching seas are no trouble with an image-stabilized Techno-Stabi strapped on your hand. These binoculars are uniquely capable of delivering steady images in both vertical and horizontal directions. If the 40mm models slide off the dock, don't worry—they come with a flotation strap for easy retrieval.

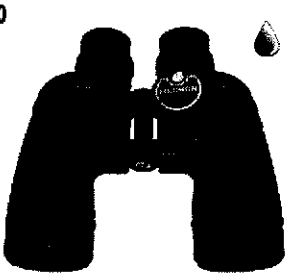
Fujinon Techno-Stabi Features:
Multi-coated, waterproof and fog proof with nitrogen purged optics. 32mm comes with a handstrap. 40mm comes with eyepiece covers, a soft case, and a flotation neck strap.

3. Fujinon Tripod Adapter

Increase your viewing pleasure and steady your binoculars by using this tripod adapter—it works perfectly with Fujinon's 7x50, 10x70, and 16x70 Polaris binoculars.



1A. 16x70 Polaris



1B. 7x50 Polaris with (FMTRC-SX)

1A. 70mm Polaris
The large 70mm models offer superior light gathering for exciting studies of the lunar surface with its lakes and bays. You can give up squinting through a telescope and enjoy more relaxed viewing through the 10x70 or 16x70 Polaris.

1B. 50mm Polaris
If you cruise rocky shorelines in search of wildlife, the 7x50 Polaris has the large exit pupil you need to find and hold that cormorant in fine focus. Choose the rubber armored FMTR-SX or rubber armored FMTRC-SX with a compass—fit with rubber covers, easy to handle, and ideal for use at sea.

2. 32mm Techno-Stabi
Also available in a 14x40 configuration.

Fujinon Tripod Adapter
Easily attaches to any basic camera tripod or car window mount.

	Polaris			Techno-Stabi	
	7x50	10x70	16x70	12x32	14x40
Eye Relief	23 mm	23 mm	15.5 mm	15 mm	13 mm
Close Focus	20'	27'	36'	16.5'	16.5'
Field of View (1000 Yards)	393'	279'	210'	265'	277'
Height	7.9"	11.25"	10.6"	7.0"	7.8"
Width	8.6"	9.75"	9.75"	5.8"	8.5"
Weight	Below*	76.2 oz	76.2 oz	37.8 oz	53.2 oz

*Weight of various 7x50 Polaris models
7x50 FMT-SX 50.1 Ounces
7x50 FMTR-SX 53.6 Ounces (Armored)
7x50 FMTRC-SX 55.0 Ounces (Armored/Compass)

Glossary of Optical Terms

Aperture:
The diameter of the objective lens in millimeters.

Center focus:
System focuses binocular eyepieces simultaneously.

Close Focus:
Shortest distance at which images are in sharp focus.

Detail Resolution:
How well an optical system distinguishes fine details; larger objective lenses tend to improve resolution.

Diopter:
Compensates for differences in the strength of each eye. Usually placed on right eyepiece or focus wheel.

Exit Pupil:
The image projected to a point in space beyond the binocular eyepiece.

Aperture ÷ Magnification = Exit Pupil

Eye Relief:
Refers to the furthest distance behind the binoculars' eyepieces at which the whole field of view can be attained — measured in millimeters.

Field of View:
The widest dimension of the circular viewing area visible from a distance of 1,000 yards, described in linear feet or degrees of arc.

Fog proofing:
Optics are purged with a gas so that internal lenses do not fog up with sudden changes in the temperature.

Internal Blackening:
All internal components of the lens barrels are painted black to reduce reflections and enhance glare reduction.

Lens Coating:
Anti-reflective chemical films are applied to lenses — reducing light loss and glare, improving color saturation, and maximizing image brightness and contrast.

Coated: One or more surfaces has a coat.
Fully-coated: All air-to-glass surfaces have one coat.
Fully multi-coated: All surfaces have several coats.

Light Transmission:
An indication of how much light (usually given in percent) passes through the optical system, or how efficiently it transmits to the eye.

Magnification:
Indicates how much larger an image appears compared to viewing with the unaided eye. Shorthand for a magnification of 10 times (10 power) is 10x.

Objective Lens:
The larger lens where light enters the optical system.

Power:
See magnification.

Prisms:
Correct the inverted and reversed images that would be seen in their absence.
Porro Prisms: Uses the classic offset prism design.
Roof Prisms: Using prisms of a smaller, in-line optical design for a slimmer, more compact binocular.

Rubber Armor:
Cushions blows to optics, protects against corrosion of dirt, makes optics less slippery and easier to grip, but does not waterproof!

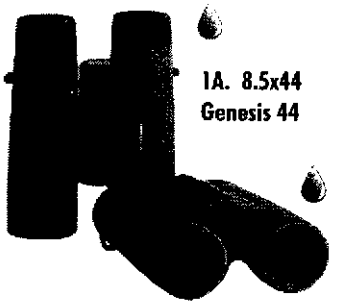
Kowa Binoculars

Established in 1894, Kowa continues its tradition of commitment to the needs of future generations. Kowa limited lifetime warranty.

1. Genesis 44 — Next Generation Clarity

Look to the Genesis 44 for a new outlook through binoculars. Schmidt-Pechan prisms provide the basis for bright, sharp images of every feather. Go ahead and take a chance on the weather. You can count on the Genesis 44 for reliable viewing even when a storm blows your way.

Kowa Genesis 44 Features:
Phase corrected, BaK-4 prisms, Prominar XD lens elements, C3 roof prism multi-coatings, fully multi-coated, waterproof, fog proof with nitrogen purging, twist-up eyecups, diopter lock, center focus, magnesium frame, rainguard, binocular harness strap, neck strap, and carry case.



1A. 8.5x44 Genesis 44

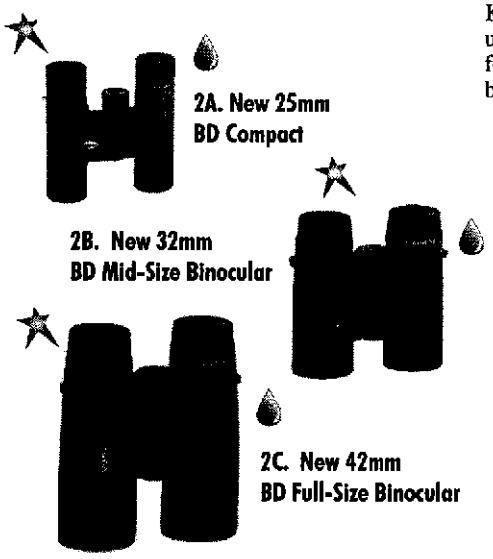
1B. 10.5x44 Genesis 44

1A. 8.5x44 Genesis 44
With greater magnifying power than the typical 8x binocular, the 8.5x44 Genesis gives you steady viewing with a real advantage when it comes to seeing fine details!

1B. 10.5x44 Genesis 44
The 10.5x44 allows you to watch wildlife move across the prairie and delivers fine details from the first rays of light to the last.

2. New Kowa BD High Performance Binoculars

Kowa defines high performance with fine optics that are destined to see a lifetime of hard use. No matter how nasty the weather turns, the Kowa BD binoculars are ruggedly-made for care-free use, season after season. With its solid and light weight construction, this binocular provides smooth performance.



2A. New 25mm BD Compact

2B. New 32mm BD Mid-Size Binocular

2C. New 42mm BD Full-Size Binocular

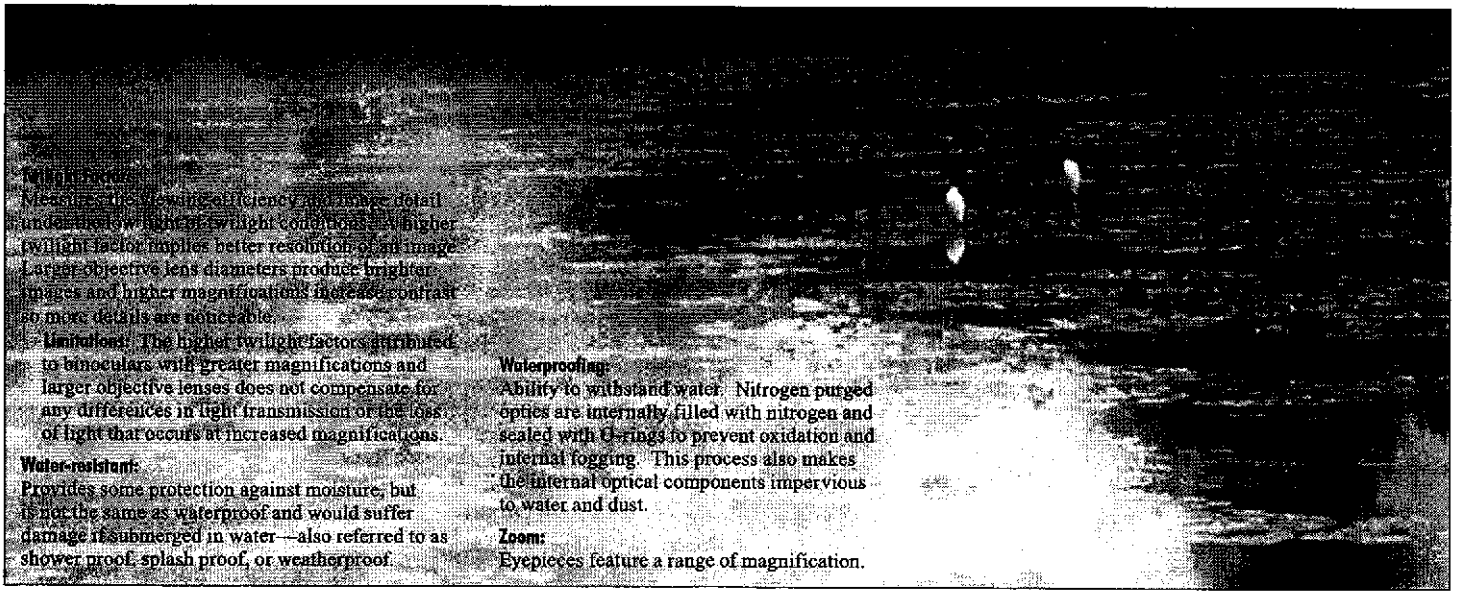
2A. 25mm BD Compact Binoculars
Small in size, but not in performance, these compacts pull out fine details and easily fit in a pack or pouch. Whether you're watching wildlife, studying architectural details, or going to the ball park, you'll take in sharp details from near and afar.

2B. 32mm BD Mid-Sized Binoculars
These binoculars have an extra-close focus of less than five feet that will appeal to both birders and butterfly watchers. Bright, highly-defined details optics put critical field marks in your hands. Choose the 8x or 10x magnification.

2C. 42mm BD Full-Sized Binoculars
The steady 8x42 is ideal for any viewing situation. Gain the power you need for watching raptors with the 10x42. These are perfect for close-up nature study with a near focus of just over six feet.

Kowa BD High Performance Binocular Features:
Phase corrected, C3 dielectric coating on Schmidt-Pechan prisms (32mm and 42mm models) of BaK-4 glass lens elements, fully multi-coated, waterproof, fog proof with nitrogen purging, green armor twist-up eyecups, diopter lock, center focus, neck strap and carry case.

	Genesis 44		BD High Performance Series					
	8.5x44	10.5x44	8x25	10x25	8x32	10x32	8x42	10x42
Eye Relief	18.3 mm	16.0 mm	15.8 mm	17.7 mm	15.0 mm	15.0 mm	18.3 mm	17.6 mm
Close Focus	5.7'	5.7'	5.9'	5.9'	4.9'	4.9'	6.6'	6.6'
Field of View (1000 Yards)	366'	324'	331'	263'	394'	315'	331'	315'
Height	6.5"	6.5"	4.5"	4.5"	4.9"	5.0"	5.8"	5.8"
Width	5.4"	5.4"	4.1"	4.1"	4.8"	4.8"	5.0"	5.0"
Weight	33.5 oz	34.0 oz	10.6 oz	10.6 oz	19.8 oz	19.9 oz	25.7 oz	26.3 oz



Twilight factor:
Measures the viewing efficiency and image detail under the low light or twilight conditions. A higher twilight factor implies better resolution of an image. Larger objective lens diameters produce brighter images and higher magnifications increase contrast so more details are noticeable.
Limitations: The higher twilight factors attributed to binoculars with greater magnifications and larger objective lenses does not compensate for any differences in light transmission or the loss of light that occurs at increased magnifications.

Water-resistant:
Provides some protection against moisture, but is not the same as waterproof and would suffer damage if submerged in water—also referred to as shower proof, splash proof, or weatherproof.

Waterproofing:
Ability to withstand water. Nitrogen purged optics are internally filled with nitrogen and sealed with O-rings to prevent oxidation and internal fogging. This process also makes the internal optical components impervious to water and dust.

Zoom:
Eyepieces feature a range of magnification.

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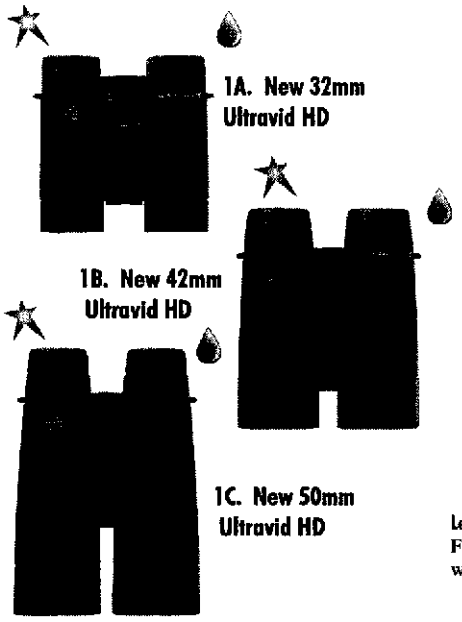
LEICA BINOCULARS

Leica Binoculars

Optical masterpieces from environmentally-friendly materials and technology. Leica USA limited lifetime and 10-year warranty on all Ultravid and Ultravid HD binoculars.



1A. New 32mm Ultravid HD

1B. New 42mm Ultravid HD

1C. New 50mm Ultravid HD

1. The Ultravid HD Series — Proven binoculars for a wide variety of nature viewing

Leica's HD optics ensure impressive high performance with a variety of 32mm, 42mm and 50mm binoculars. The Ultravid HD promises the quality views and craftsmanship you'd expect with Leica—building on 100 years of binocular production.

Delivering High Definition Images

Leica's definition of HD is greatly expanded with highly developed lens and prism coatings featuring state-of-the-art designing. Fluoride glass decreases light scattering and corrects aberration for greater color fidelity and contrast. Stray light reduction results in clear, highly resolve images because of an optimized housing shape and improved light-absorbing paint. Anti-reflex and reflective layers increase light transmission for impressive views when image brightness is crucial.

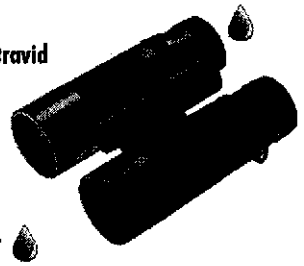
Promising High Durability

Distressing weather may bother you, but Leica's engineering promises it won't bother the Ultravid HD one bit. Plan on years of the most reliable viewing in any season or any habitat with these rugged binoculars—waterproof to a depth of 16.5 feet and nitrogen purged to keep internal lenses from fogging up when you go from one temperature extreme to another. The magnesium body is dependably strong and very light in weight. An optimized internal focus is virtually lubricant-free system for smooth, positive movement in the hottest and coldest temperatures. The black rubber armor not only protects the optics, but is comfortable to handle.

Meeting High Demands

Leica's newly developed AquaDura™ hydrophobic lens coating forces rain to roll off external lens surfaces for unimpaired visibility. This coating makes it difficult for dirt and moisture to take hold—so it is easier than ever to remove fingerprints, provides better protection against scratching and does not have any negative effect on the transmission performance of the optical system.

Leica Ultravid HD Features:
Fluoride glass, fully multi-coated with anti-reflex and reflective layers, waterproof, fog proof, twist-up eyecups with click-stops, magnesium chassis, rainguard, objective lens covers, black cordura carry case, neck strap.



2. 42mm Ultravid (Leather)

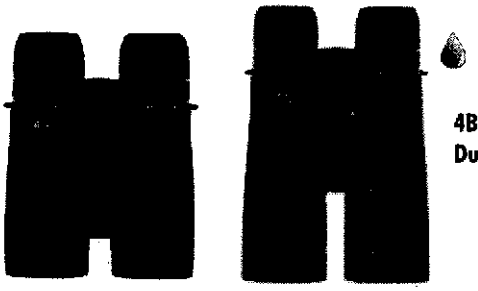
2. The Ultravid BL Binoculars

Leica's optical glass works powerfully behind the scene in these 42mm Ultravid binoculars by reducing stray light and increasing light transmission and contrast. You'll applaud Leica's innovative HighLux-System (HLS) for such distinctive binocular quality... so free of distracting color-fringing. What you set your eyes on will be unforgettable—with amazingly true, natural color in every bright, wide view!

Leica Ultravid Features:
Four-lens objective with an achromat, fully multi-coated, HighLux-System HLS highly reflective mirror coating on prisms, waterproof, nitrogen filled, twist-up eyecups with click-stops, magnesium and titanium housing and center shaft, rainguard, objective lens covers, black cordura carry case, neck strap.

3A. 10x25 Ultravid Pocket (Leather)

3B.. 8x20 Ultravid Pocket (Armored)



4A. 8+12x42 Duovid

4B. 10+15x50 Duovid

3. Ultravid pockets— Stars among compacts.

The Ultravid is fully waterproof and fog proof for watching wildlife in the most challenging environment, but elegant enough for the theater. Impressive views, smooth focusing, and pop-up eyecups will please you wherever you travel. And, when you're done viewing, just fold down the barrels of the Ultravid pocket for an easy carry in any purse, pocket, or small pouch.

Leica Ultravid Pocket Features:
Aspherical lens technology, fully multi-coated optics, waterproof, fog proof with nitrogen purging, pop-up eyecups, neck strap. Hard case with leather covered models; soft cordura case with rubber armored models.

4. Duovid Binoculars — Two binos in one!

Leica forges two premium 50mm binoculars into one solid body—packing viewing comfort with extra power. Simply set the Duovid at the lower magnification for steady, wide-field scenes before switching to high power for absolutely incredible detail recognition. Leica pulls so much together in the Duovids. You'll experience greater viewing satisfaction that really goes hand in hand with a rugged build. Expect flawless performance and easy handling in the most extreme temperatures.

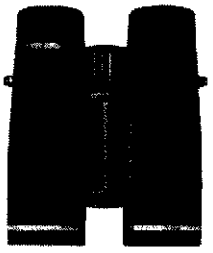
Leica Duovid Features:
Four-lens objective with an achromat, fully multi-coated, HighLux-System HLS highly reflective mirror coating on prisms, waterproof, nitrogen-filled, twist-up eyecups with click-stops, aluminum die-cast housing, soft-touch rubber armor, rainguard, neck strap, leather carry case.

*Listed weight is for rubber armored version.	Ultravid Series				Ultravid HD Series								Duovid	
	8x20*	10x25*	8x42	10x42	8x32	10x32	7x42	8x42	10x42	8x50	10x50	12x50	8 + 12 x 42	10 + 15 x 50
Eye Relief	16 mm	15 mm	15.5 mm	16 mm	13.3 mm	13.2 mm	17 mm	15.5 mm	16 mm	17 mm	17 mm	13 mm	14.5 mm–14.3 mm	14.5 mm–14.3 mm
Close Focus	7.2'	10.5'	9.8'	9.5'	7.2'	6.6'	10.8'	9.8'	9.5'	11.5'	10.8'	10.5'	11.1'	12.9'
Field of View (1000 Yards)	341'	273'	390'	336'	404'	352'	420'	389'	336'	352'	352'	299'	351'–268'	274'–208'
Height	3.6"	4.4"	5.6"	5.8"	4.6"	4.8"	5.6"	5.6"	5.8"	7.1"	7.0"	7.1"	6.2"	7.8"
Width	4.4"	4.4"	4.8"	4.8"	4.6"	4.6"	4.8"	4.8"	4.8"	4.8"	4.9"	4.8"	4.8"	4.5"
Weight	8.5 oz	9.4 oz	25.0 oz	24.7 oz	18.9 oz	19.9 oz	27.2 oz	27.9 oz	26.5 oz	35.3 oz	35.3 oz	36.7 oz	37.0 oz	44.0 oz

Leupold Binoculars

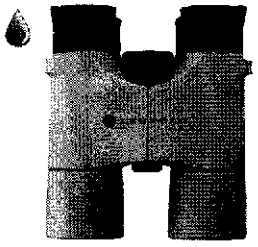
Leupold optics are founded on 100 years of craftsmanship. Golden Ring Full lifetime warranty, limited lifetime warranty on others.

Golden Ring HD Technology
Leupold's HD technology and DiamondCoat lenses push performance to the very limits with vivid color and stunning clarity to please the most serious user. High-definition (HD), calcium-fluoride objective lenses complement Leupold's Index Matched Lens System for images of superb resolution, contrast and color fidelity.



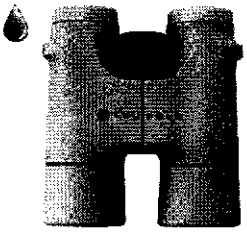
1. 42mm Golden Ring HD

2. 8x30 Yosemite (Natural)



3. 42mm Pinnacles (Natural)

4. 32mm Katmai



5. 42mm Cascades (Natural)

6. New 42mm Mojave

1. Golden Ring HD Binoculars

Setting a new benchmark for watching wildlife

Only binoculars built rugged enough to handle the roughest treatment get branded with the Golden Ring—Leupold's symbol for robust, nearly indestructible binoculars. With an innovative interpupillary distance lock (IPD), you'll have single-handed control over the Golden Ring binoculars. These premium binoculars are always ready to use the instant you put them to your eyes.

Leupold Golden Ring Features:
Phase corrected, super-reflective coated BaK-4 prisms, DiamondCoat lenses, HD technology, Index Matched Lens System, fully multi-coated, waterproof, fog proof with nitrogen purging, twist-up eyecups, rainguard, tethered objective covers, quick-detach carry harness, case and neck strap.

2. Yosemite — Easy handling by all

Claiming the same spirit as the giant sequoias of their namesake, the Yosemite Porro prism binos stay with a long-standing tradition of producing bright, sharp images for less. What's more, even a child can begin to experience the excitement of watching wildlife with the quality of these mid-sized binoculars in hand.

Leupold Yosemite Features:
Waterproof, multi-coated lenses, neck strap and carry strap. **Black, Red or Natural armor.**

3. Pinnacles — Slim, trim and tough

Here's a fine companion for close study of flora and fauna—no matter when or where you discover it. The slim, waterproof body fits well in any hand and delivers views every bit as stunning as the spectacular spires and sheer-walled canyons of Pinnacles National Monument. High contrast images will complete your enjoyment of nature's most dramatic habitats.

Leupold Pinnacles Features:
Phase corrected, fully multi-coated, silver enhanced prisms, twist-up eyecups (interchangeable with vented, retractable contoured eyecups), waterproof, nitrogen purged, rainguard, case and neck strap. **Black or Natural armor.**

4. Katmai — Lightweight and so packable

Packing light? At less than 20 ounces, Leupold's mid-sized Katmai binoculars deliver power you can afford to carry along. When facing awe-inspiring natural wonders, count on the Katmai for views that fit the bill (and your cargo pocket). Leupold uses an impressive 64 layers of anti-reflective coatings to deliver stunning, bright views you'll be bragging about for years to come.

Leupold Katmai Features:
Phase corrected, anti-reflective L-coat prism coating, fully multi-coated lenses, waterproof, nitrogen filled, twist-up eyecups, case and padded neck strap, lens covers. **Black or Natural armor.**

5. Cascade Roof Prisms — Tough and rugged for powerful viewing

Packing a pair of rugged Cascade roof prisms gives you freedom to be a bit more carefree as you explore. Go ahead with that urge to cross a mountain stream, not a drop of water will harm this fully waterproof binocular.

Leupold Cascade Roof Prism Features:
Waterproof, nitrogen purged, twist-up eyecups, rubber armor, rainguard, case and neck strap, objective lens covers. **Black or Natural armor.**

6. New Mojave Binoculars

Let the Mojave pull out the subtleties of images that are not only bright, but breathtakingly crisp. The open hinge design is made for long hours of comfortable viewing with this low-weight, easy-to-handle binocular. Plus, if you wear eyeglasses, the long eye relief will let you view more comfortably and enjoy the full field of view.

Leupold Mojave Roof Prism Features:
Phase corrected, fully multi-coated with L-Coated BaK-4 prisms, silver-enhanced prism coatings waterproof, fog proof with nitrogen purging, eyepiece covers, objective lens covers, neoprene neck strap, carry case.

	Golden Ring HD		Yosemite		Pinnacles		Katmai			Cascades Roof Prism		Mojave	
	8x42	10x42	6x30	8x30	8x42	10x42	6x32	8x32	10x32	8x42	10x42	8x42	10x42
Eye Relief	16.5 mm	16 mm	20 mm	14 mm	17.8 mm	16.5 mm	19.2 mm	15.9 mm	10.2 mm	18 mm	16 mm	18 mm	16 mm
Close Focus	7'	7'	16.4'	16.4'	6.6'	6.6'	4.9'	4.9'	4.9'	9.9'	9.9'	12.9'	12.9'
Field of View (1000 Yards)	381'	340'	420'	393'	341'	267'	425'	335'	272'	341'	267'	340'	267'
Height	6.0"	6.0"	4.6"	4.5"	5.5"	5.5"	4.1"	4.1"	4.1"	5.5"	5.5"	5.6"	5.6"
Width	5.25"	5.25"	6.3"	6.3"	4.75"	4.75"	4.75"	4.75"	4.75"	5.2"	5.2"	TBD	TBD
Weight	33.7 oz	33.8 oz	17.0 oz	18.5 oz	23.0 oz	25.0 oz	18.2 oz	18.9 oz	18.2 oz	22.9 oz	23.1 oz	23.0 oz	23.0 oz

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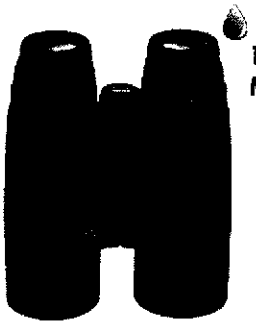
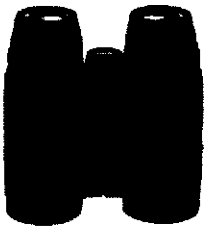
MEOPTA

Meopta Binoculars

Meopta, manufacturing in Eastern Europe since 1933, melds the precision of old world craftsmanship with modern technology and materials. Meopta lifetime warranty.



1A. 50mm Meostar B1



1B. 42mm Meostar B1

1C. 32mm Meostar B1

1. Meostar B1 — European styling

Meopta's flag ship line of Meostar B1 binoculars arrives with all the quality and value you need for fine viewing. From the moment you first pick up a Meostar, you'll notice how good it feels to grasp the rugged armor covering the solid aluminum alloy body. Take them to the Rockies, Badlands, or Pacific Northwest—and count on these binoculars to perform well against the unique demands of each place.

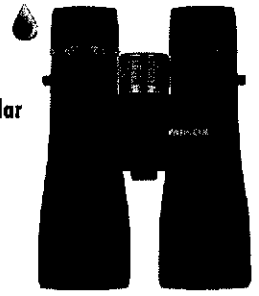
Meostar B1 Features:
Phase corrected half pentagonal and Schmidt design roof prisms, fully multi-coated, waterproof, nitrogen filled, twist-up rubber eyecups, rainguard, case and neck strap.

	Meostar B1					
	8x32	7x42	8x42	10x42	7x50	10x50
Eye Relief	15.4 mm	20 mm	17 mm	15 mm	22.5 mm	17 mm
Close Focus	5.7'	9.8'	9.8'	9.8'	13.1'	13.1'
Field of View (1000 Yards)	420'	411'	411'	330'	378'	330'
Height	4.9"	5.5"	5.5"	5.5"	6.7"	6.7"
Width	4.4"	5.2"	5.2"	5.2"	5.4"	5.4"
Weight	20.0 oz	30.4 oz	30.4 oz	30.4 oz	35.3 oz	35.3 oz

MINOX BINOCULARS

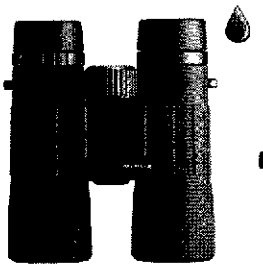
Minox Binoculars

Minox uses precision engineering for this generation binoculars. Minox limited lifetime warranty

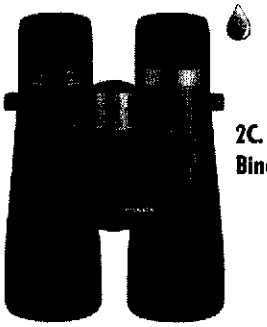


1A. HG 52mm BR Rangefinding Binocular

2A. BL 32mm BR Binocular



2B. BL 42mm BR Binocular



2C. BL 56mm BR Binocular

1. Minox HG 52mm BR Series

The 52mm objective lenses and high-grade (HG) German optics will reward you with the ability to identify hard to distinguish species. You'll be impressed by the high contrast, fine detail, and exacting colors of these bright binoculars—especially when greys shadow the landscape in the early morning or late evening hours.

Minox has installed its innovative QCF focusing system which allows exact distance readings from a scale on the focusing wheel.

Minox HG 52mm BR Rangefinding Binocular Features:
MinoBright technology with silver-based mirror coating, M* fully multi-coated lenses, internal anti-reflection and anti-glare coatings, aspherical lenses, twist-up eyecups, large focus wheel with cross-knurl, waterproof, submersible to a depth of 16 feet, fog proof with argon gas purging, rubber armored, QCF quick close focus system, rainguard, case, neoprene neck strap.

3. BD 42mm BR ALT Binocular

4. BD 25mm BRW Binocular

2. Minox BL BR Series— Light yet rugged.

Looking for the strong viewing power of full size binoculars, but not the weight? Get it with the BL binoculars—solid yet lightweight. Easy to carry, this line of binoculars promises carefree handling in rough situations. From the mid-sized 32mm to the over-sized 56mm, there's a model for your needs.

Minox BL BR Series Features:
Phase corrected, multi-coated lenses, waterproof, submersible to a depth of 16 feet, fog proof with nitrogen filling, rubber armored, padded case, rainguard, objective lens covers, neoprene neck strap.

3. Minox BD 42mm BR ALT Binoculars — Natural color is even more affordable

Move well beyond the ordinary with binoculars that take nature viewing to a whole new level. You can stride out to the field in complete confidence—Minox takes away any concern about rain, fog, mildew, or corrosion developing on the inside of the optics by filling these binoculars with the amazing argon gas. The Aspherical Lens Technology of these binoculars transports bright, highly contrasted, razor sharp images to your eye.

Minox BD 42mm BR ALT Features:
Phase corrected, Aspherical Lens Technology, full multi-coatings, waterproof, fog proof with argon gas, twist-up eyecups, rubber armor, reinforced aluminum body, rainguard, objective lens covers, leather carry case and neoprene neck strap. 30-year USA limited warranty.

4. Minox BV 25mm BRW Pockets

Grab a lightweight bino for observing nature easily with this perfect travel companion. Thanks to the modern design of the optical system, this rugged compact provides you with higher image contrast and very good detail rendition.

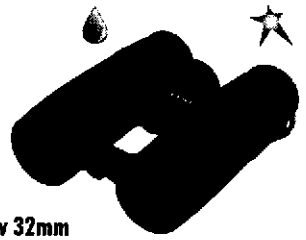
Minox BV Compact BRW Features:
Fully multi-coated optics, twist-up eyecups, waterproof, fog proof with nitrogen purging, non-slip rubber armor, neck strap, carry case.

	BL BR Series					BD 42mm BR ALT		HG 52mm BR Rangefinding		BV BRW Compacts	
	8x32	8x42	10x42	8x56	13x56	8.5x42	10x42	8.5x52	10x52	8x25	10x25
Eye Relief	15.5 mm	19.5 mm	16 mm	20.8 mm	15.2 mm	18 mm	15 mm	19.4 mm	19.5 mm	15.5 mm	15.5 mm
Close Focus	6.2'	8.0'	8.0'	29.5'	23.0'	9.8'	8.2'	11.5'	11.5'	4.9'	4.9'
Field of View (1000 Yards)	394'	341'	315'	326'	263'	315'	320'	289'	278'	390'	315'
Height	4.8"	5.7"	5.6"	6.7"	6.7"	5.8"	5.6"	6.9"	6.6"	4.3"	4.3"
Width	25.0"	5.0"	5.0"	5.7"	5.7"	5.0"	4.3"	5.2"	5.2"	3.9"	3.9"
Weight	18.5 oz	22.9 oz	22.9 oz	36.9 oz	23.0 oz	27.7 oz	26.8 oz	28.0 oz	28.0 oz	10.4 oz	10.4 oz

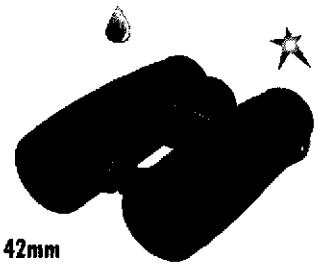
Nikon Binoculars

One of the world's foremost producers of fine optical glass, Nikon puts this experience to work in a variety of spotting scopes for the outdoors. Nikon 25-year limited warranty and Nikon No-Fault Repair/Replacement policy.

Eco-Glass
Manufactured without the use of lead or arsenic, Nikon's high quality optical glass is environmentally-friendly and lighter in weight than the traditional leaded glass.



1A. New 32mm EDG Binocular



1B. New 42mm EDG Binocular

2. Premier LX$_L$ Pocket

2. Premier LX$_L$ Pockets

Sophisticated yet tough, the Premier LX$_L$ Pockets can go anywhere! Choose between the versatile 8x20 and the 10x25 for an extra boost of power. Both compacts deliver bright, well-contrasted details, an amazing field of view, and long eye relief for more comfortable viewing. Waterproof and fog proof performance is guaranteed—no matter how adverse the weather becomes!

Nikon Premier LX$_L$ Features:
Phase corrected, silver mirror prism coating, fully multi-coated lenses, Eco-Glass, turn-and-slide rubber eyecups with multi-click adjustments, waterproof, fog proof with nitrogen purging, non-vinyl chloride rubber armor, magnesium-alloy body, eyepiece covers, leather case, neck strap.

1. The New EDG — Flexible viewing

When the lure of the spectacular pulls you, only the highest performing gear should make the trip. The nature of the Nikon EDG (prounouced "Edge") is to thrive in the most extreme terrain. Nikon not only expands the limits of technology and precision with this series, but refines nearly a century of glass-making heritage. The stylish EDG truly elevates expectations by virtually eliminating chromatic aberration and delivering bright, razor sharp views. Go ahead and push your birding to the extreme.

Nikon's exclusive ED Glass lenses (Extra-low dispersion) deliver superior sharpness and color correction for unmatched detail resolution. Nikkor lenses virtually eliminates chromatic aberration. Nikon's dielectric coated prisms increase viewing brightness. Fully multi-coated optics provide bright, vivid sight pictures.

Extreme performance for any terrain.
Starting with an open bridge style of a sophisticated quadrangle construction and lightweight magnesium-alloy body, the EDG binocular balances perfectly in your hand. Adding to its top-notch design is the conveniently located focus knob with a pop-up diopter adjutment. The ratcheting eyecup adjustments allow for a refined view, with or without eyewear. The magnesium-alloy body cuts weight without sacrificing durability. The EDG is built to handle the toughest conditions on the planet and is submersible for up to ten minutes at a depth of 16.4 feet.

Nikon EDG Binocular Features:
Phase corrected, silver mirror prism coating, fully multi-coated lenses, twist-up eyecups, waterproof, O-ring sealed, fog proof with nitrogen purging, rubber armor, magnesium-alloy body, rainguard, objective lens covers, case and neck strap.

3A. 7-15x35 Action Zoom

3B. 10-22x50 Action Zoom

3. Action Zoom — Flexible viewing

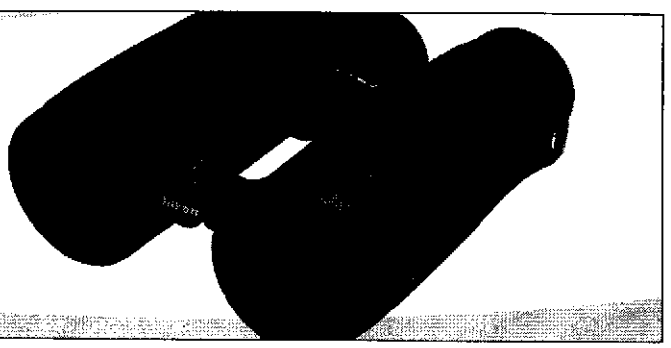
Whether in a forest or out on a playing field, catching all the action is what these binoculars are all about. Take hold of the ability to watch the whole scene and zoom in on that one eye-catching detail. No wonder these top Nikon's list of best-selling binoculars! High index BaK-4 prisms and aspherical lenses deliver quality and value you can count on no matter where you put them to use.

Nikon Action Zoom Features:
Multi-coated optics, BaK-4 prisms, aspherical eyepiece lenses, fold-back eyecups, rubber armor, rainguard, objective lens covers, case and neck strap. Tripod adapter with 50mm model.

	EDG Series					Premier LX$_L$		Action Zoom	
	8x32	10x32	7x42	8x42	10x42	8x20	10x25	7-15x35	10-22x50
Eye Relief	18.5 mm	17.3 mm	22.1 mm	19.3 mm	18.0 mm	15mm	15mm	8.7mm (7x)	8.6mm (10x)
Close Focus	8.2'	8.2'	9.8'	9.8'	9.8'	7.8'	10.4'	36'	49.2'
Field of View (1000 Yards)	409'	341'	419'	403'	341'	356'	282'	288' (7x)	199' (10x)
Height	5.6"	5.6"	5.9"	5.8"	5.9"	4.2"	4.4"	5.4"	7.8"
Width	5.3"	5.3"	5.4"	5.4"	5.4"	3.7"	4.2"	7.2"	7.6"
Weight	23.6 oz	23.6 oz	28.6 oz	28.6 oz	28.9 oz	9.5 oz	10.5 oz	28.4 oz	36.2 oz

Nikon EDG™

Push your birding to the EDGE.



Nikon

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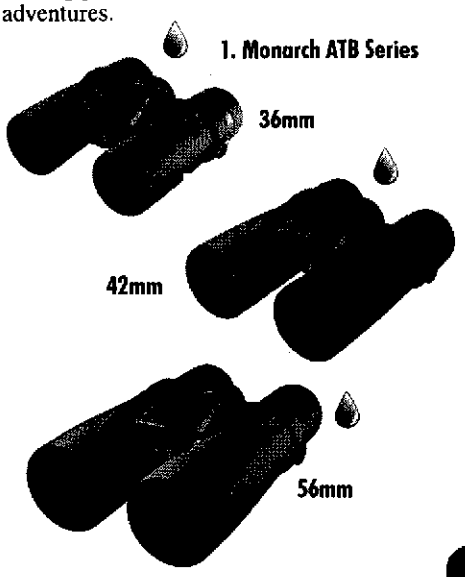
NIKON BINOCULARS

All Terrain Binoculars (ATB) — Built to handle the extremes!
You need binoculars built to deliver through rain, sleet and snow because you are committed to venturing outdoors, regardless of the weather. Whether you choose streamline roof prisms or offset Porro prisms, you'll be pleased with the handling of these All Terrain Binoculars . . . no matter how extreme the climate or terrain!

1. Monarch ATB —Flagship of the ATB series
Weather any storm with the flagship of Nikon's All Terrain Binoculars series. No matter how harsh the climate, the optics of the Monarch are completely waterproof and fog proof to stand by you for years of adventures.



1A. 36mm Monarch ATB
The compact 36mm Monarch binoculars are every bit as bold as the larger 42mm Monarchs. Whether you're drawn to grassland birds and butterflies, or wildlife seen from a mountain summit, the lightweight Monarch binoculars handle well in any situation.

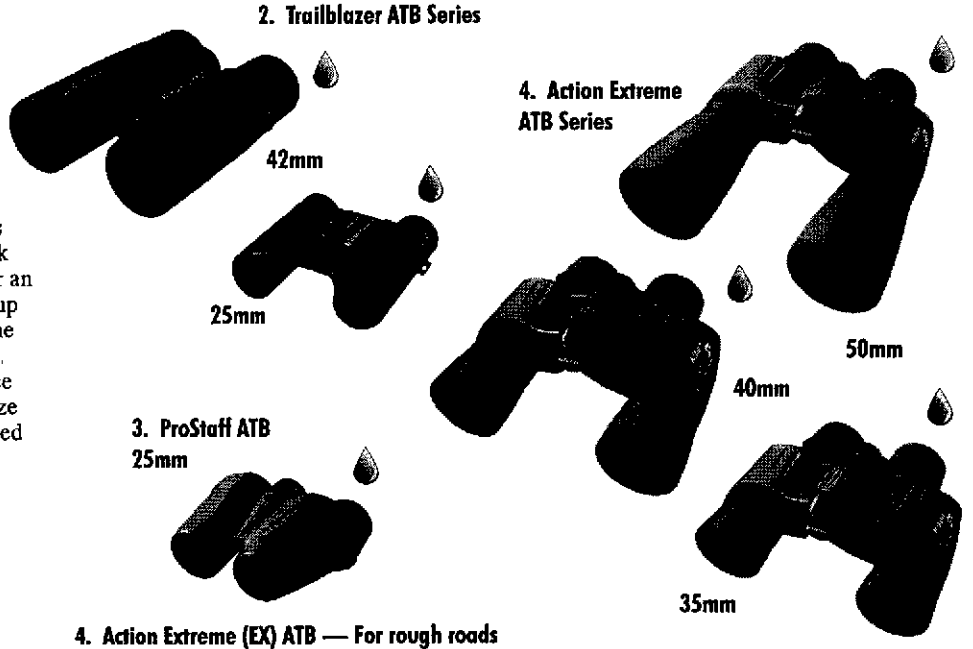
1B. 42mm Monarch ATB
Choose easy handling in any situation. The 8x42 is ideal for "all-around" viewing, the 10x42 is an especially bright 10x model, and the 12x42 gives you a real edge by bringing all the action incredibly close to you in a feather-light body!

1C. 56mm Monarch ATB
Go ahead and meet the challenge of watching wildlife before the break of dawn. The large, light-grasping 56mm Monarchs deliver the bright, highly contrasted images you seek in the lowest of light!

Nikon Monarch Features:
Phase corrected prisms, fully multi-coated optics, Eco-Glass, turn-and-slide eyecups, waterproof, fog proof, rainguard, objective lens covers, case and neck strap.

2. Trailblazer ATB — Full size for any hour
Nikon adds even more power to the Trailblazer series. The 8x42 Trailblazer binocular features multiple layers of Nikon's anti-reflective coatings that really go to work in shadowy woodlands. If you're looking for an ultra-slim roof prism for bright views, pick up the 10x42 Trailblazer to discover the big-time performance you need for watching wildlife. A 25mm Trailblazer remains a perfect choice for biking, hiking, and canoeing ... where size is just as critical as weathering the unexpected storm.

Nikon Trailblazer Features:
Eco Glass, twist-and-slide eyecups, waterproof, fog proof with nitrogen purging, smooth rubber armor, case and strap.



3. ProStaff ATB — The "Bring Me" binos
These little beauties have "bring me along" written all over them! Ideal entry level binoculars, the ProStaff 8x25 compacts are super portable, handle well and pack a lot of value into a small size. Whether you like to watch large or small mammals, raptors or songbirds, butterflies or beetles, you can boost your viewing power with the 9x25 and 10x25 ProStaff binoculars. For high power and extreme viewing, head out with the 12x25 ProStaff in hand!

Nikon ProStaff Features:
Multi-coated lenses, BaK-4 prisms, aspherical lenses, twist-up eyecups, waterproof, nitrogen purged, polycarbonate body, rubber armor, eyepiece covers, case and neck strap.

4. Action Extreme (EX) ATB — For rough roads
Nikon builds on the classic tradition of built-in value with the Porro prism design of the Action Extreme binoculars. As the name implies, these ATB binos are ready for rocky roads, dense brush, open prairies and the most extreme conditions—reliable no matter what the day brings your way!

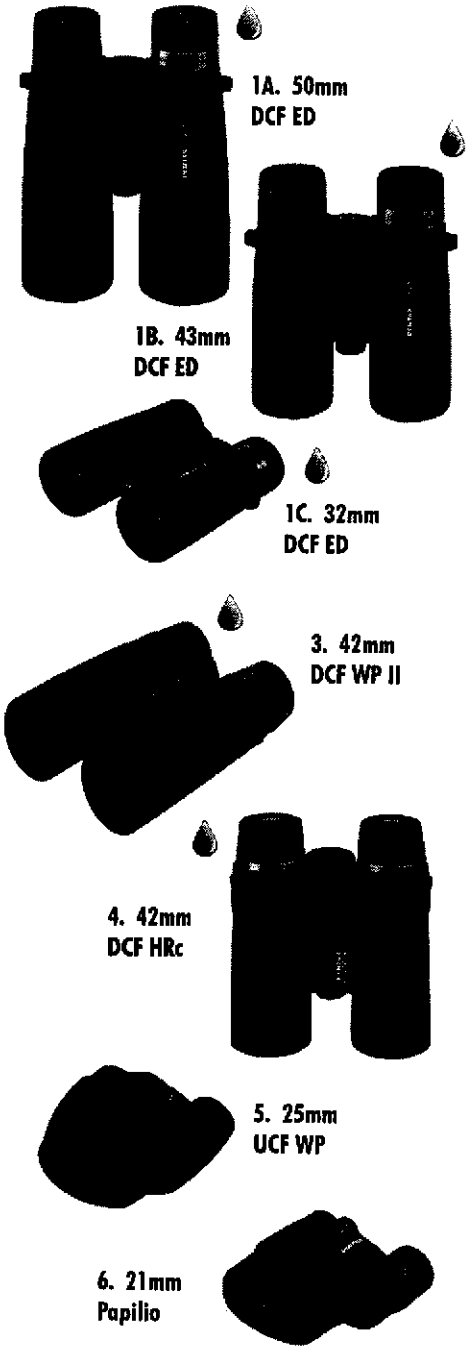
Extreme choices
Enter the world of bird watching with the advantage of an extra-wide field of view. Nikon's Action Extreme 7x35 and 8x40 binoculars are great choices for all-around use as you find and follow birds in flight. The 10x50 proves its worth with power to pull in details, even in dim light. The 7x50, 12x50, and 16x50 provide three-dimensional views in a variety of situations from boating to scanning the night sky.

Nikon Action Extreme Features:
Multi-layered anti-reflective coatings, Eco-Glass, turn-and-slide eyecups with multi-click stops, waterproof, fog proof with nitrogen filled optics, metal and lightweight polycarbonate chassis, rubber armor, rainguard, objective lens covers, case and neck strap.

	Monarch ATB								Trailblazer ATB				ProStaff ATB				Action Extreme ATB					
	8x36	10x36	8x42	10x42	12x42	8.5x56	10x56	12x56	8x25	10x25	8x42	10x50	8x25	9x25	10x25	12x25	7x35	8x40	7x50	10x50	12x50	16x50
Eye Relief	17 mm	15 mm	19.6 mm	15.5 mm	15.4 mm	19.2 mm	17.4 mm	16.3 mm	10 mm	10 mm	19.7 mm	19.7 mm	15.5 mm	15.8 mm	15.9 mm	15.9 mm	17.3 mm	17.2 mm	17.1 mm	17.2 mm	16.1 mm	17.8 mm
Close Focus	8.2'	8.2'	8.2'	8.2'	8.2'	32.8'	32.8'	32.8'	8.2'	11.5'	16.4'	16.4'	9.2'	9.2'	9.2'	9.2'	16.4'	16.4'	23'	22'	23'	23'
Field of View (1000 Yards)	367'	314'	330'	314'	262'	324'	315'	288'	429'	342'	366'	294'	330'	293'	262'	220'	487'	430'	335'	341'	288'	183'
Height	4.9"	4.8"	5.7"	5.6"	5.7"	7.8"	7.8"	7.8"	4.1"	4.1"	6.1"	7.4"	3.9"	4.0"	4.0"	4.1"	4.7"	5.4"	7.0"	7.0"	7.0"	7.0"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	5.7"	5.7"	5.7"	4.5"	4.5"	5.2"	5.5"	4.5"	4.5"	4.5"	4.5"	7.2"	7.4"	7.7"	7.7"	7.7"	7.7"
Weight	19.8 oz	19.9 oz	21.5 oz	21.5 oz	21.8 oz	40.2 oz	40.7 oz	41.6 oz	9.9 oz	9.9 oz	25.4 oz	30.3 oz	12.5 oz	12.7 oz	12.9 oz	12.9 oz	28.2 oz	30.1 oz	35.3 oz	36.0 oz	36.8 oz	36.7 oz

Pentax Binoculars

As a leading manufacturer of sports optics, Pentax delivers high performance binoculars for a wide variety of situations. Pentax Worry-Free warranty.



6. Papilio — The extreme close focus bino
The Papilio, named for the Swallowtail butterfly, will draw you to clear views from little more than a foot away with its unique Convergent Lens Optical System Engineering (C.L.O.S.E.). Both sizes pack just the right amount of power for taking in fine details at art exhibits, museums, and concerts.

Pentax Papilio Features:
Fully multi-coated, BaK-4 prisms, twist-up eyecups, rubber armor, eyepiece covers, case and neck strap.

DCF Binoculars Series — Nature comes alive in these top-of-the-line binoculars
An osprey in a canyon, trumpeter swans on a remote lake, vireos in thickets, and elk crossing a ridge at dawn ... when you want to see it all, choose one of the many fine binoculars in the DCF series for outstanding views — all fully submersible to a depth of one meter.

1. DCF ED Series — Delivering premium views
Pentax puts you on the path to incredible viewing with all you need for brighter, truer colors and sharper images from one edge to another. Tight, durable construction is your ally no matter what the season brings your way. With a DCF ED in hand, you need not worry one bit about rain, sleet, snow ... or that surprise dip in a mountain stream.

Pentax DCF ED Features:
Phase corrected, extra-low dispersion glass, hybrid aspherical lens elements, fully multi-coated, hard coating on exposed lenses, waterproof, fog proof, rubber armor, magnesium alloy body, rainguard, carry case, objective lens covers, neck strap.

2. DCF SP Series — Spectacular edge-to-edge color.
The DCF SP binoculars will bring out the "WOW!" in everything you look at. Take in impressive views of plants, animals, landforms and even the stars with the full size DCF SP 50mm binoculars! With the 43mm objective lenses, you can explore effortlessly for longer hours. The lightweight 32mm DCF SP binocular lets you enjoy a full day of viewing butterflies, flowers, and other critters—all from as close as five feet!

Pentax DCF SP Features:
Phase corrected, fully multi-coated, hybrid aspherical optical elements, BaK-4 prisms, twist-up four-stop eyecups, internal focus design, waterproof, nitrogen filled, submersible to one meter, magnesium frame, rubber armor, rainguard and tethered objective lens covers, case and strap.

3. DCF WP II Series — Ready for long hours
Rough trails ahead? Leave all worries behind. Choose a DCF WP II for hours of tireless viewing through binoculars that test high for durability. From sunup to sundown, and every hour in between, you'll enjoy bold, crisp views through a binocular with a convenient center focus system, custom fit eyecups, and low weight.

Pentax DCF WP II Features:
Phase corrected, fully multi-coated super-reflective coated, twist-up four-stop eyecups, internal focus design, waterproof, nitrogen filled, submersible to one meter, rubber armor, rainguard and objective lens caps, padded case and neck strap.

4. DCF HRc — Smooth handling for birders
No surprises here, the new DCF HRc models are sure to please birders. Pentax takes high optical quality and serves it up in two popular configurations. The 8x42 is a favorite for general observation, and the 10x42 has the power needed for scanning distant ridges for raptors and other wildlife. High performance has a new name this season and it comes in the form of the HRc binoculars—with ruggedness you can count on to weather any storm!

Pentax DCF HRc Features:
Phase corrected, silver-deposited prisms, fully multi-coated optics, waterproof, fog proof, fiber-reinforced polycarbonate body, rubber armor, rainguard, objective lens covers, case and neck strap.

5. UCF WP Series — A great traveler in and out of water!
If you value compactness and durability, pick up the UCF WP binoculars. The dual axis, unibody design keeps the optical barrels properly aligned for refreshing views. Even when paddling in white water, you can tip your canoe continuously and still enjoy your trip with these waterproof models in hand. Aspherical lenses along with fully multi-coated optics, and BaK-4 glass prisms deliver bright, colorful images, even in dimmer light.

Pentax UCF WP Features:
Fully multi-coated, Bak-4 prisms, aspherical lenses, internal focus design, pop-out diopter adjustment knob, waterproof, submersible to one meter, eyepiece covers, case and neck strap.

	DCF ED				DCF SP				DCF WP II		DCF HRc		UCF WP		Papilio	
	8x32	8x43	10x43	10x50	8x32	8x43	10x43	10x50	8x42	10x42	8x42	10x42	8x25	10x25	6.5x21	8.5x21
Eye Relief	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	22 mm	17 mm	21 mm	18 mm	15 mm	15 mm	15 mm	15 mm
Close Focus	4.9'	6.6'	11.5'	11.5'	4.9'	6.6'	6.6'	11.5'	8.2'	8.2'	8.2'	8.2'	6.7'	6.2'	1.6'	1.6'
Field of View (1000 Yards)	393'	330'	315'	261'	393'	330'	315'	261'	330'	315'	393'	315'	324'	261'	393'	315'
Height	5.0"	5.7"	5.7"	6.7"	5.0"	5.7"	5.7"	6.7"	5.7"	5.7"	5.8"	5.7"	4.3"	4.4"	4.5"	4.6"
Width	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.2"	5.2"	4.6"	4.6"	4.3"	4.3"
Weight	23.5 oz	25.2 oz	25.8 oz	30.2 oz	23.2 oz	24.5 oz	25.0 oz	29.6 oz	28.2 oz	28.2 oz	23.6 oz	23.3 oz	12.3 oz	12.3 oz	10.2 oz	10.2 oz

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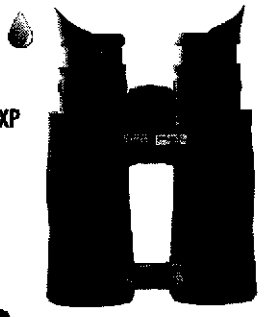
STEINER BINOCULARS

Steiner Binoculars

Count on over 50 years of experience designing and producing binoculars for great adventures in the outdoors.

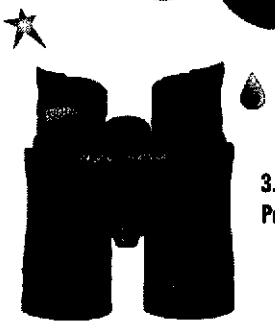
Steiner Peregrine XP — Delivering brilliant colors and incredible views
Broadband multi-coatings and dielectric mirrors, boasting over 40 layers of coatings, deliver brilliant colors and high resolution for incredible viewing. When applied to the larger 44mm objective lenses (nearly 10% larger than a 42mm lens), Steiner guarantees you amazing details and wide-field viewing with the Peregrine XP binoculars.



1. 44mm Peregrine XP

2A. 50mm Peregrine

2B. 42mm Peregrine



3. New 42mm Predator C5

1. Steiner Peregrine XP — Designed for the Serious Outdoor Enthusiast

Serious birders, scientific explorers and hunters of the world take note of the Peregrine XP's viewing comfort and optical performance. What's more, these lightweight, waterproof binoculars also feature extra-long eye relief for comfortable views—whether or not you wear eyeglasses. As a bonus feature, the Peregrine XP binoculars come with interchangeable, ergonomic rubber eyecups. Gel-filled thumb pads (embedded in the armor) add a considerable amount of grip and holding comfort. The unique body design and smooth focus of the Peregrine XP binoculars let you move in on distant wildlife fast!

Steiner Peregrine XP Features:
High resolution glass with broad-band transmission optical coatings, coated dielectric mirrors, waterproof, nitrogen filled, rubber armored, interchangeable rubber eyecups, rainguard, strap, tethered objective lens covers, deluxe custom case. Steiner 30-year limited warranty.

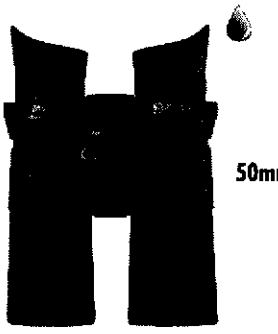
2. Peregrine — Lightweight, steady power

Packed with features that are valued by wildlife enthusiasts of all sorts, the Peregrines deliver more telling details in the most difficult viewing situation. When birds and other wildlife hide in the shadows, the Peregrine reaches out and brings them sharply into focus with just one turn of the wheel. Soft angled eyecups keep distracting light out of your eyes on bright, sunny days—and fold back for wonderful viewing with eyeglasses.

Steiner's High Definition (HD) glass and broadband coatings deliver peak optical performance with natural colors. Built according to military specifications, you can rely on the Peregrines to stay absolutely sealed for non-stop use whether you face the challenges of a spring rainstorm or a winter blizzard.

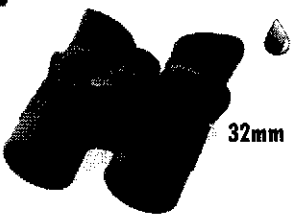
Steiner Peregrine Features:
High Definition glass, broad-band transmission optical coatings, waterproof, nitrogen filled, winged rubber eyecups, rainguard, strap, tethered objective lens covers, deluxe custom case. Steiner 30-year limited warranty.

4. Merlin Series



50mm

42mm



32mm

3. New Predator C5 — Rugged power

Experience stepped-up performance with the Predator C5—and count on pinpoint resolution that is better than ever. Steiner takes this trim roof prism body and makes it equal to any task. When you're hot on the trail, you won't be stopped short of your goal by rain, snow, or splashes up when your boot hits a puddle. The thoughtful design of the Predator C5 guarantees continued high-quality viewing in any weather

Steiner Peregrine Predator C5
Phase corrected, silver coated mirrors with dielecric coatings, fully multi-coated, waterproof, nitrogen filled, rubber armored, winged rubber eyecups, rainguard, strap, tethered objective lens covers, deluxe custom case. Steiner 30-year limited warranty.

4. Merlin Series — Blending with nature

Steiner called upon the experience of their championship birding team and the experts at the American Birding Association. The result? Steiner developed a line of binoculars catering to the unique needs of birders and naturalists.

Your grip on the rugged armor of the waterproof Merlin will be secure as you move in carefully for a closer look. You won't give your whereabouts away, and neither will the Merlin binocular with its earthy brown armor. This unique exterior was especially formulated to absorb light so these binoculars become practically transparent to wildlife.

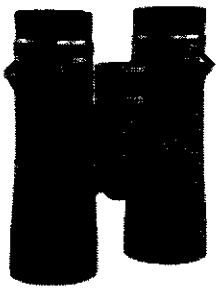
From the compact 8x32 to the full sized 10x50 binocular, you'll get the power you've been looking for with the Merlin line of binoculars!

Steiner Merlin Features:
Phase corrected, fully multi-coated optics, winged rubber eyecups, waterproof, rubber armor, rainguard, tethered lens caps, carry case, neoprene strap. Steiner 10-year warranty.

	Peregrine XP		Peregrine			Predator C5		Merlin				
	8x44	10x44	8x42	10x42	8.5x50	10x42	12x42	8x32	10x32	8x42	10x42	10x50
Eye Relief	20 mm	20 mm	20 mm	20 mm	20 mm	17 mm	16 mm	15 mm	16 mm	19 mm	18 mm	18 mm
Close Focus	6.5'	6.5'	5.9'	6.9'	6.5'	6.5'	6.5'	8.9'	8.9'	6.9'	7.9'	8.0'
Field of View (1000 Yards)	390'	328'	367'	295'	306'	315'	276'	336'	294'	342'	274'	264'
Height	7.4"	7.4"	6.4"	6.4"	7.3"	6.5"	6.5"	5.5"	5.5"	6.4"	6.4"	7.3"
Width	4.5"	4.5"	5.2"	5.2"	5.2"	4.8"	4.8"	5.2"	5.2"	5.2"	5.2"	5.2"
Weight	30.0 oz	30.0 oz	24.0 oz	25.0 oz	30.0 oz	26.4 oz	27.1 oz	20.0 oz	20.0 oz	23.0 oz	24.0 oz	26.0 oz

Stokes Birding Series

Vortex Optics makes the Stokes Birding Series binoculars for educators Don and Lillian Stokes — known as America's "first family of birding" and trusted for more than 25 years as authorities on birds. Vortex VIP transferable warranty.



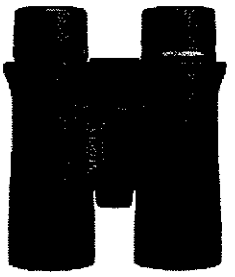
1. 42mm DLS

The DLS—a choice pick by passionate birders.

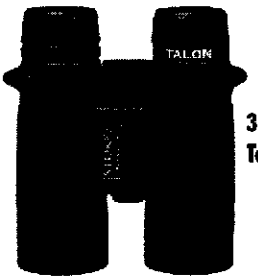
1. The DLS Binoculars — Conceived, designed, endorsed by and for birders

See why so many birders love the Stokes DLS. The superior balance and feel of these binoculars makes holding them to your eyes an almost effortless experience. Passionate bird watchers will be surprised by amazing brightness—pulling in extra light for better viewing on those cloudy late afternoons. The close focus of 4.5 feet allows you to enjoy intricate details and subtle color shadings ... images you won't soon forget! Combine the fast accuracy of the focus wheel with an excellent field of view and following birds in flight becomes a much easier task

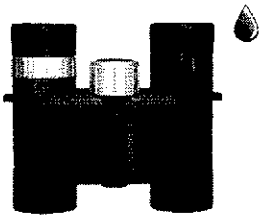
Stokes DLS Features:
Phase corrected, silver coated prisms, twilight optimized fully multi-coated with XHR (eXtremely High Resolution) coatings, high-density prism glass, optical glass elements free of arsenic and lead, JIS Class 6 waterproofing and dust proofing, fog proof with nitrogen purging, tethered objective lens covers, rainguard, case, neck strap.



2. 42mm Broadwing



3. 42mm Talon



4. 8x25 Meadowlark

2. The Broadwing — Refining your view of nature

From butterflies at five feet to bison at five hundred, you'll be in a better position to watch wildlife in the dim light of day with a Broadwing. State-of-the-art multi-coatings on all lens surfaces team up with fine BaK-4 phase corrected roof prisms for bright, sharp scenes across the entire field. Head high above the timberline or out on the open prairie with complete confidence in the waterproof and fog proof Broadwings and prevail over rain, sleet, snow, and extreme temperature changes. Generous eye relief allows eyeglass wearers to take in more of the field of view. If you don't wear eyeglasses, the tapered multi-stop eyecups let you make adjustments for the greatest viewing comfort.

Stokes Broadwing Features:
Phase corrected, fully multi-coated, BaK-4 prisms, waterproof, fog proof with nitrogen gas, multi-stop eyecups, polycarbonate chassis, rainguard, tethered objective lens covers, carry case, deluxe neck strap.

3. The Talon — For the rugged naturalist

Nature is full of surprises—and so are the Stokes Talon binoculars! Eye-catching value is yours with these phase corrected roof prisms, featuring multiple coatings on the high-grade optics for brighter, crisper, and more colorful views of animals and landscapes. Pick up the Talons and range from as close as five feet or out to distant ridges. you will easily keeping sight of wildlife moving across the very generous field of view.

With the Talons you can be a bit risky in where you wander. Count on the tough waterproof and fog proof nature of the Talon binoculars to overcome the rigors of rough handling in harsh habitats.

Stokes Talon Features:
Phase corrected, fully multi-coated, waterproof, fog proof, rainguard, case and neck strap.

4. The Meadowlark — A fist full of power

Here's an excellent companion for birders and travelers—catching every detail from as close as five feet! Precision-cut BaK-4 glass prisms and fully multi-coated optics improve image sharpness, color, and resolution for bright views throughout the day. Soft rubber eyecups retract for comfortable, full field views with eyeglasses. Lightweight and easily tucked in a pouch or pocket, you can take the Meadowlark binoculars anywhere in any weather

Stokes Meadowlark Features:
Fully multi-coated, BaK-4 prisms, waterproof, O-ring sealed, nitrogen filled, soft carry case, neck strap.

	DLS		Broadwing		Talon		Meadowlark
	8x42	10x42	8x42	10x42	8x42	10x42	8x25
Eye Relief	18 mm	17 mm	18 mm	16 mm	18 mm	16 mm	16 mm
Close Focus	4.5'	4.5'	5'	5'	4.5'	5'	5'
Field of View (1000 Yards)	383'	308'	350'	330'	420'	345'	357'
Height	5.5"	5.5"	6.0"	6.0"	6.0"	6.0"	4.0"
Width	4.9"	4.9"	5.0"	5.0"	5.0"	5.0"	4.6"
Weight	26.4 oz	26.4 oz	26.6 oz	26.2 oz	25.5 oz	25.0 oz	10.2 oz

The Value of Finer Optics

An investment in the best optics you can afford is a great step toward making more exciting discovers in the world of nature. These are some of the common problems inherent in optical design that finer optics are able to correct for:

Astigmatism:
Lines that do not run in the same direction (i.e., vertically and horizontally).

Color aberration:
A faintly colored halo, usually violet light, appearing around objects because light of different wavelengths will not focus at a common point. This also reduces contrast, and is most apparent around bright objects, or dark objects set against a bright sky.

Distortion:
The straight lines of an image will curve either inward or outward because the magnification varies from the center of the field to the edges.

Field curvature:
The entire field is not equally in focus because the light rays do not all come to a sharp focus in the same plane. For example, the center of the field could appear sharp, but not the edges (or vice versa). Higher quality lenses and construction can minimize field curvature.

Phase shift:
This phenomenon is unique to the roof prism design, and causes a deterioration of image contrast and resolution. Thin chemical coatings, applied to the surface of the roof prism, force the light beams back into phase. As a result of phase correction, images appear sharper — especially when viewing fine details.

Spherical aberration:
Interferes with the ability to focus sharply on an object. The image blurs because light rays, at different distances from the optical center, come to focus at different points on the axis. Higher quality lenses and multiple lens elements will minimize this problems.

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Swarovski Binoculars

For over 100 years, the motto of founder Daniel Swarovski, "constantly improving what is good", has guided this family-run company. This includes their commitment to protecting the environment. Swarovski limited lifetime warranty.

Swarobright® Coating
This is an innovative coating technology that, for the first time, makes it possible to selectively control reflected light in the prism system. As a result, binoculars with Swarobright® coatings deliver 5-10% more light in the blue/green spectrum—some elements receive more than 30 extremely thin layers. This complicated procedure reduces reflections and controls all color spectrums to provide the highest light transmission, best contrast, sharpest resolution, and optimal color fidelity.

1A. 32mm EL Binocular

1B. 42mm EL Binocular

Swarovski EL Features:
Phase corrected, Swarobright mirror prism coating, twist-in eyecups, locking diopter, double-hinge design, magnesium housing, waterproof, nitrogen filled, hinged ocular cover, tethered objective lens cover, case and neck strap.

1. EL Binoculars — Light, bright and easy to carry

The fresh design of the EL optical system exemplifies the Swarovski tradition by bringing you images that are ultra-sharp, bright, clear and rival the best. See the EL binoculars in action and enjoy exquisite, natural colors as Nature displays them! Though rough weather and travels may be hard on you, the absolutely rugged Swarovski EL binoculars are up to the challenge.

Is any habitat too extreme for Swarovski's EL binoculars? Let's see ...

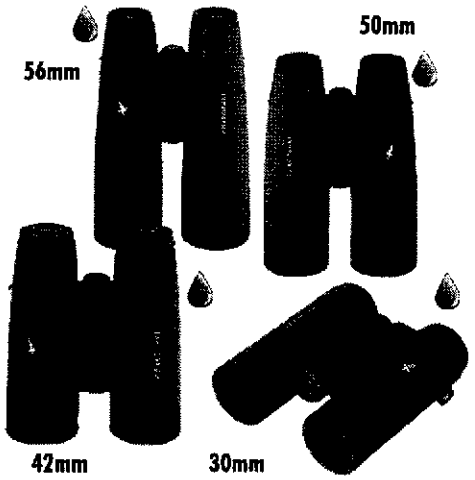
- **100% functional reliability from -4° to +131° Fahrenheit.**
- **100% airtight construction even keeps dust from damaging the optics.**
- **100% waterproof performance and submersible to a depth of 13 feet.**
- **Nitrogen purged to prevent internal fogging.**
- **Rugged magnesium housing is extremely lightweight.**
- **Torsion-free twin bridge construction keeps axis parallel.**
- **EL lens coating system makes keeping lenses clean easier than ever.**

1A. 32mm EL

Pick up exceptional views of birds and butterflies from as close as seven feet and follow their flight with ease—no matter how fast or erratic the pattern is! One of the lightest binoculars in the EL series, you'll not think twice about carrying the 32mm binoculars on any field trip.

1B. 42mm EL

Swarovski brings you one of the best binoculars of all time—setting a standard for excellence! Look through these binoculars for absolutely amazing clarity of distant scenes. With an edge on power and light gathering ability over the 8x32 EL, these mighty binoculars are ideal for extended viewing into the twilight hours. The 10x42 EL binoculars bring you a perfect blend of power and size that works so incredibly well for western style hunting and wildlife observation. At the other extreme, you can sit back and enjoy critters scrambling around as close as eight feet away. What versatility!



2. SLCNEW Series

2. SLCNEW Binoculars — Upgraded lens coatings

The SLCNEW binoculars deliver superb image quality with high resolution, brilliance and color fidelity that ranks among the finest available. A 3-element objective lens allows for outstanding light transmission and works with distinctive lens and prism coatings to improve color and further reduce reflection. The result? Crystal clear details and pure colors that fall into complete compliance with Mother Nature's exacting palette.

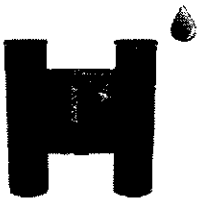
Now lighter in weight, and textured like Swarovski's EL binoculars, you'll be thrilled with Swarovski's SLCNEW binoculars. Deeper thumb grooves offer more secure handling and the large center focus responds with quick, precise fine-tuning even when you wear gloves. In addition, the SLCNEW binoculars are so waterproof that if you dropped them in a lake, they'd stay watertight to a depth of 13 feet. You could dive down and get them, but why not make your life easier and just attach the flotation strap!

Swarovski SLCNEW Features:
Phase corrected, Swarobright interference mirror prism coatings, twist-up eyecups, locking diopter, large center focus, waterproof, nitrogen filled, tripod adaptable*, hinged ocular cover, tethered objective lens cover, case and neck strap. *Free tripod adapter included with 15x56 model.

3. Swarovski Pockets — Absolutely rugged!

Here's one gem of a binocular. Ideal for any outdoor activities, these waterproof compact binoculars are a logical choice for hiking, biking, backpacking, kayaking .. and the list goes on! Even nights at the theatre are more sensational with views through these premium binoculars. Swarovski Pockets are top-quality binoculars with unsurpassed sharpness that absolutely satisfy your need for excellent color and fantastic brightness.

Swarovski Pocket Features:
Phase corrected, Swarobright mirror prism coating, waterproof, light alloy housing, rubber armor, case and neck strap. **Black or Green armor.**



3. Swarovski Pockets

	EL				SLCNEW						Pockets	
	8x32	10x32	8.5x42	10x42	8x30	7x42	10x42	10x50	8x56	15x56	8x20	10x25
Eye Relief	15 mm	12 mm	18 mm	15 mm	15 mm	19 mm	14 mm	17 mm	22 mm	13 mm	13 mm	13 mm
Close Focus	7'	7'	8'	8'	13'	13'	13'	16'	30'	26'	13'	16'
Field of View (1000 Yards)	420'	360'	390'	330'	408'	420'	330'	336'	345'	231'	345'	285'
Height	5.4"	5.4"	6.5"	6.2"	5.6"	6.5"	5.8"	7.7"	8.5"	8.5"	4.0"	4.6"
Width	4.5"	4.5"	4.8"	4.8"	4.3"	4.8"	4.8"	5.0"	5.0"	5.0"	3.7"	3.7"
Weight	21.5 oz	21.2 oz	28.9 oz	27.5 oz	20.8 oz	33.5 oz	30.7 oz	40.9 oz	43.7 oz	45.5 oz	7.6 oz	8.1 oz

Swift Binoculars

Professional ornithologists and casual backyard birders benefit from nearly 80 years of Swift's optical experience Swift Premier Twenty Five Year warranty.

1A. 36mm Eaglet

1B. 42mm Eaglet

1. Eaglet Series — Extraordinary vision within your grasp!
Nature is full of surprises, so be prepared with a most dependable choice. The lightweight Swift Eaglet is ideal for birders, butterfly watchers, anglers, and wildlife observers. When you head out with an Eaglet binocular, you'll be just as prepared for an unexpected splash of waves as a shower of raindrops. Swift goes above and beyond with their prism coating technology that increases reflective performance up to 99.8% for especially bright views of wildlife:

- **Kellner Ocular System and three objective lenses eliminate spherical aberration and reduce astigmatism for higher resolving power.**
- **Cold Fusion Technology protects the integrity of the prism surface by applying multiple coatings to roof prism surfaces without exposure to high temperatures.**
- **Phase correction provides sharper, higher contrast images.**

Fully multi-coated optics increase light transmission for brighter images.

Swift Eaglet Roof Prism Features:
Phase corrected, Cold Fusion Technology (CFT), Kellner ocular system, fully multi-coated optics, waterproof, fog proof, rubber armored, rainguard, tethered objective lens covers, padded field case, neoprene neck strap.

2. 42mm Ultra Roof Prisms

2. Ultra Series — Comfortable viewing for hours
Take in distant landscapes, but explore the world nearby with clear details as close as six feet—and open up a whole new world of sparkling clear views to you! Swift's patented ergonomic design works well with the unique dual-density armor to absorb shock and reduce fatigue; the hard rubber exterior guards against unexpected bangs and the softer interior rubber cushions your hands for extra comfort. A non-slip focus knob lets you zero in on critical details with ease—even when wearing gloves.

	Eaglet Series			Ultra Series	
	7x36	8x42	10x42	8x42	10x42
Eye Relief	16 mm	20 mm	18 mm	19.5 mm	16 mm
Close Focus	5.9'	6.5'	6.5'	6'	6'
Field of View (1000 Yards)	374'	327'	261'	341'	314'
Height	4.9"	5.4"	5.4"	6.0"	6.0"
Width	4.9"	5.0"	5.0"	5.0"	5.0"
Weight	20.6 oz	23.4 oz	23.6 oz	24.0 oz	24.0 oz

Swift Ultra Roof Prism Features:
Phase corrected, fully multi-coated, BaK-4 prisms, twist-up eyecups, waterproof, nitrogen purged, rubber arm, tripod adaptable, rainguard, objective lens covers, case and neck strap. **Black with Blue, Green or Grey accents.**

Vixen Binoculars

Bringing nearly 60 years of telescope design to the field of binoculars. Vixen warranty.

1. Alpina DCF Series — Go to the top of the line.
Whether you're heading to the mountains in the summer or tropics in the winter, count on the rugged build of Vixen's top-of-the line binocular to go the miles with you. The Alpina 8x42 handles well and is a fine choice for birding, watching wildlife, and outdoor recreation.

Vixen Alpina DCF Binocular Features:
Phase corrected, fully multi-coated, BaK-4 prisms, twist-up eyecups, waterproof, fog proof with nitrogen purging, lens covers, case and neck strap.

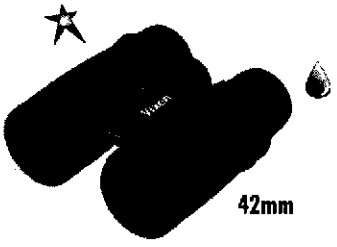
2. Atrek DCF Series — Sized for any situation.
Whether you'll be out watching wildlife during the day or studying the night sky, you'll find a Atrek DCF binocular just right for your purposes. Fully coated optics and quality prisms team up with rugged construction for reliable viewing in any weather.

Vixen Atrek DCF Binocular Features:
Fully multi-coated, twist-up eyecups, waterproof, fog proof with nitrogen purging, rubber armored, rainguard, lens covers, case and neck strap. The Atrek DCF 42mm and 50mm binoculars are also tripod adaptable and come with tethered objective lens covers.

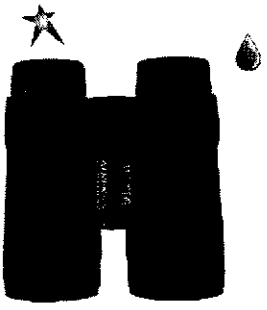
1A. New 42mm Alpina DCF

2. New Atrek DCF Series

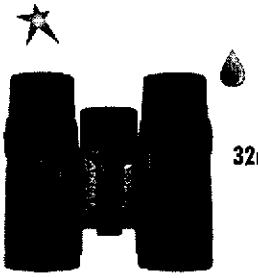
25mm



42mm



50mm



32mm

	Alpina Series DCF Models		Atrek Series DCF Models					
	8x42	10x42	8x25	10x25	8x32	8x42	10x42	10x50
Eye Relief	22 mm	16 mm	18 mm	18 mm	18 mm	20 mm	19 mm	20 mm
Close Focus	6.6'	13.1'	3.5'	5.3'	3.3'	4.9'	4.9'	3.3'
Field of View (1000 Yards)	352'	263'	368'	289'	342'	368'	263'	289'
Height	6.0"	6.0"	4.3"	4.3"	4.3"	5.1"	5.1"	5.5"
Width	5.3"	5.3"	4.5"	4.5"	4.6"	5.1"	5.1"	5.2"
Weight	23.6 oz	23.6 oz	12.7 oz	12.7 oz	13.4 oz	25.7 oz	25.7 oz	30.7 oz

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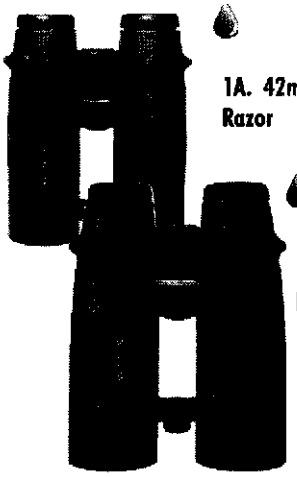
VORTEX BINOCULARS

Vortex Binoculars

Vortex Optics puts a high priority on value by designing binoculars with features expected by birders and wildlife watchers. Vortex VIP unlimited, unconditional warranty.



1A. 42mm Razor

1B. 50mm Razor

Interchangeable side shields block out stray light for views that are free from glare.

The Razor HD System

Delivering superior light, color, accuracy and resolution that is truly remarkable.

XR coatings deliver incredible image detail and extremely high resolution and light transmission. Fully multi-coated, scratch-resistant coatings eliminate annoying, image-degrading reflections.

XD objective lens elements of extra-low dispersion glass enhance image resolution. The lenses are carefully selected and precision-crafted to exacting standards for true-to-life images of clarity and color accuracy.

XT optical design is an advanced optical element configuration that virtually eliminates aberrations and provides distortion-free, flat field images with unmatched edge-to-edge accuracy and detail.

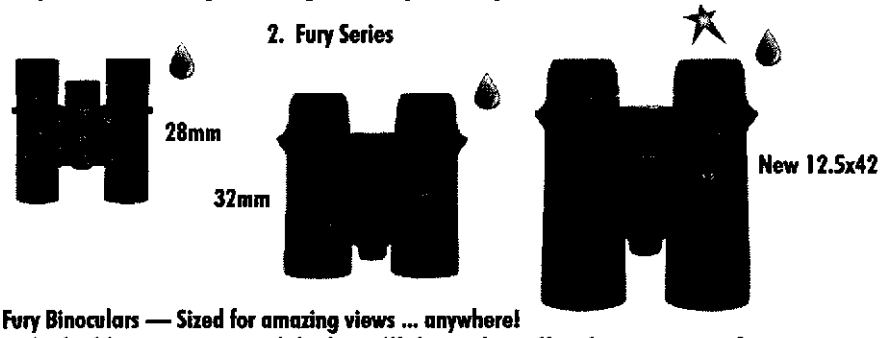
1. Razor Binoculars — On the cutting edge of optics!

You'll say "Wow!" the moment you look through a Razor. Delivering razor sharp optics and natural color, a Razor draws out critical feather details. Innovative by design, the Vortex Razors are winning admiration and approval from the most discriminating and demanding wildlife enthusiasts. Durability, dependability, and ruggedness are hallmarks of Razor engineering. When you face the force of nature, the Razor gives you the power needed to overcome the most challenging viewing conditions.

- **Guaranteed protection against internal corrosion and fog proofing with argon gas purging.**
- **Tight seals exclude moisture and dust from affecting views.**
- **Stylish open hinge design handles extremely well, even when wearing heavy gloves.**
- **Center diopter locks in fine focus corrections for conveninet, easy handling.**
- **Rugged, lightweight chassis is easy to carry.**
- **Expertly cut, polished and silver-coated phase corrected roof prism surfaces**

Vortex Razor Features:
XD glass objectives, patented XR multi-layered lens and prism coatings, XT optical design, phase corrected, twilight optimized lens coatings, highly polished and silver-coated phase corrected prisms, multi-step eyecups, center diopter, JIS Grade 7 waterproofing, JIS Grade 6 dust proofing (the highest rating), argon gas purged for fog proofing, ridged rubber armor, interchangeable eyecups with side shields, rainguard, tethered objective lens covers, padded deluxe storage case, weight-reducing neck strap.

2. Fury Series



28mm

32mm

New 12.5x42

2. Fury Binoculars — Sized for amazing views ... anywhere!

If you're looking to save on weight, but still demand excellent long-range performance, it's hard to beat a Fury. From compact to full size, the Fury series delivers a sure-fire combination of just the right size and magnification. Exploding with optical power, you'll pierce through tangled brush and discover that Eastern Towhee. The Fury shows you intricacies that count! We're sure you'll be boasting about more than the wildlife when you come in from viewing with the Fury binos!

2A. 28mm Fury Binoculars
The 28mm Fury delivers outstanding views without weighing you down! Plus, a single-hinge design makes these rugged compacts incredibly easy to handle with just one hand.

Vortex 28mm Fury Features:
Phase corrected, fully multi-coated optics, waterproof, fog proof with nitrogen gas, rubber armored, retractable eyecups, click-stop diopter, rainguard, deluxe padded carry case and comfort neck strap.

2B. 32mm Fury Binoculars
Step down in size, but not in quality, with a 32mm Fury—in the same superior league as the 42mm Fury.

2C. 42mm Fury Binoculars
Deluxe 5-element eyepiece focuses light for extremely bright, sharp, color-correct images as daylight dims and shadows deepen.

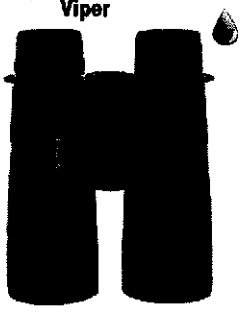
Vortex 42mm and 32mm Fury Features:
XR fully multi-coated, phase corrected, 5-element eyepiece, silver-coated prisms, waterproof, fog proof with argon gas, rubber armored, tapered multi-step eyecups, center locking diopter, rainguard, tethered objective lens covers, soft carry case and comfort neck strap.

3. New Viper Binoculars — 50mm super powers.

Rain. Snow. Dust. Real world viewing demands rugged binoculars—and nothing gets past a Viper! These high performance binoculars are perfect for active observing in rugged terrain. When daylight dims or shadows deepen, Viper optics have just what you need to pierce through low light and pull out fine details with high contrast. One of the best values in the field.

Vortex Viper Features:
XD glass objectives, patented XR multi-layered lens and prism coatings, phase corrected, JIS Grade 6 waterproofing and dust proofing, fog proof with nitrogen purging, ribbed rubber armored, soft multi-position tapered eyecups (re-inforced with metal), rainguard, tethered objective lens covers, deluxe padded carry case, deluxe contoured neck strap.

3A. 42mm Viper



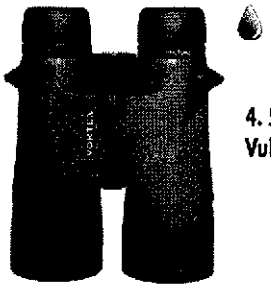
3B. New 50mm Viper

Argon Gas Purging

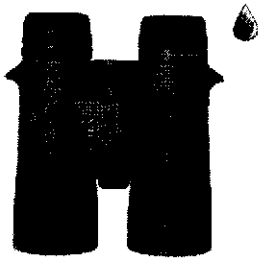
Argon gas purging takes the process of fog proofing to a whole new level by not absorbing or reacting chemically with water. In addition, argon gas maintains its protective properties over a wider range of temperatures and does not diffuse as quickly as other elements. The end result? Binoculars are less susceptible to corrosion—extending the service life of the optics much longer.

	Razor											Fury Series							
	8x42	10x42	8.5x50	10x50	12x50	8x42	10x42	12x42	8.5x50	10x50	15x50	8x28	10x28	6.5x32	8x32	10x32	8x42	10x42	12.5x42
Eye Relief	18 mm	16 mm	18 mm	17 mm	17 mm	20 mm	16.5 mm	15.8 mm	19.4 mm	19.5 mm	16.0 mm	20 mm	19 mm	21 mm	17 mm	15 mm	20 mm	15 mm	14.5 mm
Close Focus	8.2'	8.2'	9.8'	9.8'	9.8'	5.1'	5.1'	5.1'	9.8'	8.2'	8.2'	9.7'	9.7'	4.9'	4.9'	4.9'	4.9'	4.9'	4.9'
Field of View (1000 Yards)	410'	325'	358'	329'	274'	347'	319'	267'	305'	278'	210'	319'	267'	436'	409'	346'	358'	332'	268'
Height	6.5"	6.5"	7.5"	7.5"	7.5"	5.8"	5.8"	5.8"	7.0"	6.7"	6.7"	4.7"	4.7"	5.3"	5.3"	5.3"	6.0"	6.0"	6.0"
Width	5.5"	5.5"	5.8"	5.8"	5.8"	5.3"	5.3"	5.2"	5.2"	5.2"	5.2"	4.5"	4.5"	5.4"	5.4"	5.4"	5.4"	5.4"	5.4"
Weight	29.4 oz	29.8 oz	37.0 oz	37.7 oz	37.7 oz	23.0 oz	23.4 oz	23.2 oz	28.7 oz	27.2 oz	27.2 oz	11.8 oz	12.0 oz	22.0 oz	22.0 oz	22.0 oz	25.7 oz	25.7 oz	25.7 oz

Unconditional Unlimited Warranty



4. 50mm Vulture



5. 42mm Diamondback

6. 28mm Hurricane

4. Vulture Binoculars — A big performer

Soar to a higher plateau of performance and feast on broad, bright scenes through the high power of a Vulture binocular. Even as the sun dips toward the horizon, the Vulture feeds your need for fine details at a distance with bright images that carry on from one edge of the field to the other

Like an eagle in the high country, you've got to be ready for any weather— and you will be with the naturally rugged Vultures. Tight seals with nitrogen purging actively fend off rain and snow, keeping internal lenses free from fogging in extreme temperature changes. And when you're out in cold, wet weather. The checkered ridges in the rubber armor give you solid handling with a secure grip you can depend on!

- **8.5 x 50: Bright images while scanning in low light.**
- **10 x 50: Steady images with extra viewing power.**
- **12 x 50: Tremendous viewing power and tripod mountable for greater stability.**

Vortex Vulture Features:
Phase corrected, fully multi-coated, BaK-4 prisms, retractable tapered eyecups, waterproof, fog proof with nitrogen purging, ridge rubber armor, rainguard, tethered objective lens covers, custom molded high-impact case, comfort neck strap. **Vortex Green or Coyote Brown armor.**

5. Diamondback Binoculars — Pulling the widest field around!

Not only do the Diamondbacks boast the widest field of view around, their fine optics pierce through dark, shadowy areas with bright, steady views. Taking their lead from the Diamondback's namesake, these rugged binoculars are striking in how well they detect subtle colors. Durable twist-and-lock eyecups are built on a solid frame—soft and tapered for a most natural fit. And, as you would expect, the Diamondbacks are waterproof and fog proof for rock solid performance.

Vortex Diamondback Features:
Phase corrected, fully multi-coated, BaK-4 prisms, twist-and-lock tapered eyecups , waterproof, fog proof with nitrogen purging, ridge rubber armor, rainguard, tethered objective lens covers, custom molded high-impact case, comfort neck strap. **Vortex Green or Coyote Brown armor.**

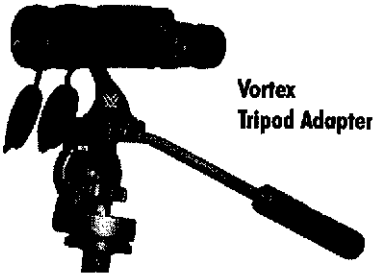
		Vulture			Diamondback		Hurricane	
		8.5x50	10x50	12x50	8x42	10x42	8x28	10x28
Unconditional Unlimited Warranty	Eye Relief	21.5 mm	19 mm	18 mm	18 mm	16 mm	19.3 mm	16.0 mm
	Close Focus	9'	9'	9'	4.5'	5.0'	13.1'	13.1'
	Field of View (1000 Yards)	283'	283'	241'	420'	345'	360'	300'
	Height	6.9"	6.8"	6.8"	5.9"	5.9"	4.8"	4.8"
	Width	5.6"	5.6"	5.6"	5.6"	5.6"	4.5"	4.5"
	Weight	31.0 oz	31.0 oz	31.0 oz	25.2 oz	24.4 oz	14.0 oz	14.0 oz

6. 28mm Hurricane Pockets Not to be judged by size!

Just because the Hurricane is small doesn't mean you have to baby it! Vortex armors this lightweight compact with everything needed to stand up against the rain you're sure to face as a birder. Boasting the clear views you'll want in the light of early morning or late evening, the 28mm Hurricane delivers more than meets the eye—being unusually bright for its size! Featuring steady, easy-to-handle 8x magnification, these go-anywhere binos are destined for lots of action!

Vortex Hurricane Features:
Phase corrected, fully multi-coated, twist-up eyecups, waterproof, nitrogen purged, rubber armor with diamond pattern in grip areas, rainguard, tethered objective lens covers, deluxe padded carry case, comfort neck strap. **Vortex Green or Coyote Brown armor.**

Vortex 2x Doubler



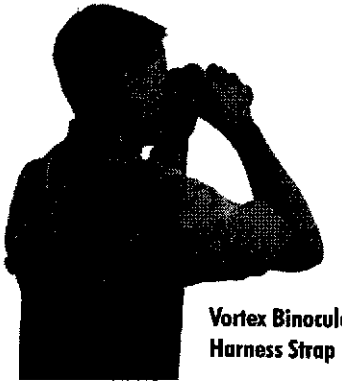
Vortex Tripod Adapter

7. Vortex 2x Doubler

Keep the total weight of your gear low by packing the pocket-sized 2x Doubler for high-power views that compete with many spotting scopes. Simply attach to the eyepiece of any Vortex 32mm, or larger, binocular.

8. Vortex Tripod Adapter

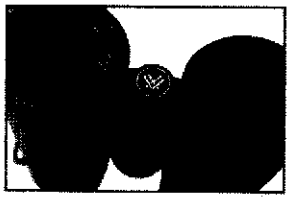
Get more viewing power out of your binos! The Vortex tripod adapter is the link you need to mount your binoculars on a standard tripod or car window moun. It makes steadier views a reality at the highest possible magnifications.



Vortex Binocular Harness Strap

9. Vortex Binocular Harness Strap

Keep your binocular from jostling around as you hike with this comfortable accessory — strap spreads binocular weight across your neck and shoulders.



The binoc-Loc keeps barrels at the angle you need for easy handling with just one hand.

Vortex Bino-Loc

10. Vortex Binoc-Loc™ Binocular Hinge Lock

Lock your binocular hinge exactly where you want it—once and for all. This small device does the herculean task of holding up the largest binocular barrels, keeping them in perfect alignment with your eyes. Now you can put an end to fussing around with adjusting the interpupillary distance of any binocular with the Vortex Binoc-Loc. (Attaches to the tripod adapter threads found on most binoculars).

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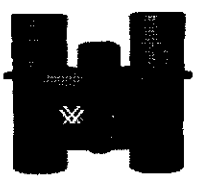
VORTEX BINOCULARS

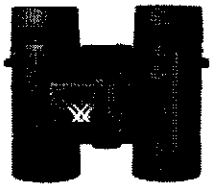
11. Crossfire Binoculars — Get started right!
Brace yourself for bright images with a Crossfire binocular! You can count on the full force of light-grasping 42mm objective lenses to pick out wildlife rustling through the woods from sunrise to sundown. Tapered eyecups conform more naturally to the shape of your eye and are trimmed with a soft rubber rim for a light touch and comfortable day long scanning. In addition, these eyecups retract smoothly for satisfying views with eyeglasses.

Vortex Crossfire Features:
Fully multi-coated, BaK-4 prisms, twist-and-lock tapered retractable eyecups covered with soft rubber, waterproof, O-ring seals, nitrogen purged, ridge rubber armor, rainguard, tethered objective lens covers, soft case, comfort neck strap.

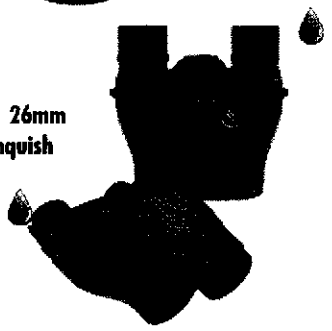
11. 42mm Crossfire



12A. 25mm Spitfire



12B. 32mm Spitfire



13. 26mm Vanquish

12. Spitfires — Tough binos for the trail.
Here's one great combination of small size and bright optics! A troubleshooter by nature, the mid-size of the Spitfire is ideal for daytime observation when you can get by with less than a full size binocular.

The Spitfire binoculars take up the challenge of rough handling and harsh weather with a completely waterproof shield against dust and water ... even to the point of keeping the internal lenses clear of fog with sudden temperature dips. Built on a rugged, reliable aluminum alloy frame, the 32mm Spitfires are lightweight, easy to handle, and destined for lots of action!

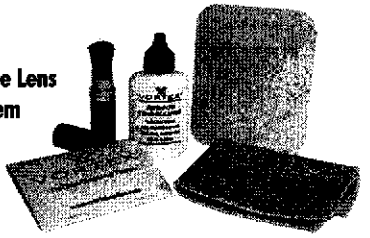
Vortex Spitfire Features:
Fully multi-coated optics, BaK-4 prisms, twist-up multi-position eyecups, waterproof, O-ring seals, nitrogen purged, aluminum alloy frame, rubber armor, soft case, and comfort neck strap (32mm also come with a rainguard and objective lens covers).

13. Vanquish Reverse Porro Prisms — High value.
Thanks to a reverse Porro prism design using high density glass, the Vanquish compact delivers a bright, wide field that stays in sharp focus from near to far. Easy to use with just one hand, the Vanquish brings you high performance for a relatively low cost.

Vortex Vanquish Features:
Fully multi-coated optics reverse Porro prism, twist-up eyecups, waterproof, fog proof with nitrogen purging, rubber armored, rainguard, soft case, and comfort neck strap.

Vortex Fog Free Lens Cleaning System

Details on page 36.



Unconditional Unlimited Warranty

	Crossfire 8x42	Crossfire 10x42	Spitfire 8x25	Spitfire 10x25	Spitfire 8.5x32	Spitfire 10x32	Vanquish 8x26	Vanquish 10x26
Eye Relief	19 mm	16 mm	16 mm	16 mm	16 mm	15 mm	15 mm	16 mm
Close Focus	6.0'	6.0'	5.0'	5.0'	5.0'	5.0'	7.6'	7.6'
Field of View (1000 Yards)	315'	315'	352'	288'	399'	289'	352'	294'
Height	6.0"	5.8"	4.0"	3.9"	4.3"	4.3"	4.7"	4.7"
Width	5.0"	5.0"	4.6"	4.6"	5.0"	5.1"	4.4"	4.4"
Weight	22.0 oz	21.6 oz	18.0 oz	18.0 oz	17.3 oz	16.9 oz	12.7 oz	12.7 oz

VIPER 10X42

Winner of Field & Stream's "Best of the Best" Award

"The right weight and size package at the right price."
Field & Stream Magazine

Eagle Optics on Location!

As supporters and sponsors of numerous birding and nature festivals, the Eagle Optics staff has the opportunity to attend many events throughout the course of the year. Though there are a lot of great things to be said about being a premiere internet and mail-order retailer for sport optics, we relish opportunities to meet our customers in person!

Bringing optics you can see for yourself!
Our staff brings a variety of binoculars and spotting scopes to these festivals. So, stop by our booth, say "hi", and check out the selection!

If there's ever a specific model you're interested in seeing, let us know. Simply call and tell us know what event you'll be attending—we're happy to help!

Visit Eagle Optics at a festival near you
For the latest list of birding and nature festivals our staff will attend. Follow the link to **Eagle Optics on Location!** at **www.eagleoptics.com**

Zeiss Binoculars

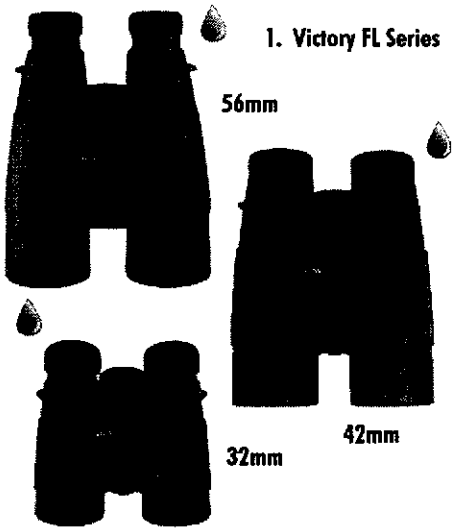
An optical pioneer since 1846, Zeiss continues to build binoculars that respond to the needs of the most sophisticated user Zeiss limited lifetime transferable warranty.

Zeiss LotuTec™ and Optical Coatings

LotuTec™ acts as a protective coating for the lens by repelling water, dirt and grease with a pearl-off effect. If the lens does happen to become soiled, the extremely smooth surface can be easily and quickly cleaned without smearing.

Zeiss proprietary T* optical coatings reduce internal reflection and greatly enhance the quality and amount of light reaching your eyes. This aids image brightness, color fidelity, and contrast. The Victory FL binoculars also use the Zeiss Advanced Optical System (AOS) to increase optical performance while reducing weight and bulk. At the heart of this revolutionary approach is the lens—thinner at the center and made without lead or arsenic, so the production process is kinder to our environment.

1. Victory FL Series



1. Victory FL Series — Setting a new standard with LotuTec™ technology

Dreaming of durable, yet light weight, perfectly balanced, easy-to-handle binoculars? Test Zeiss' promise to put perfection in the palm of your hand with the first class Victory FL binoculars. The cornerstones of their claims are brilliant views of natural color without color, large fields of view, and extreme durability with a lightweight, ergonomic design. Simply put, Zeiss brings sensational image quality to a level you have to see to believe!

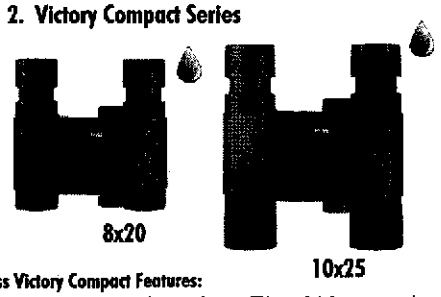
1A. 56mm Victory FL Series
Extend your viewing day well into the night with the light-grasping objectives of the 56mm Victory FL binoculars. Both models offer superior brightness at twilight.

1B. 42mm Victory FL Series
Ideal for countless applications from birding to outdoor recreation because wide fields, smooth handling, and absolutely natural color dominate the scene—even in poor light.

1C. 32mm Victory FL Series
Zeiss puts premium Victory FL quality in a compact size you can easily carry as you bird, watch wildlife, examine architectural masterpieces, and enjoy performances by athletes and artists.

Zeiss Victory FL Features:
Phase corrected, fluoride glass, T* multi-layer coating, Abbe-Koenig* prisms (42mm and 56mm only), twist-up eyecups lock at four settings, waterproof, nitrogen filled, glass-fiber reinforced magnesium housing, rubber armor, tripod adaptable, rainguard, tethered objective lens covers, cordura case and neck strap. *Schmidt-Pechan 32mm prisms with dielectric coating for total reflection and increased light transmission. **Black or Green armor.**

2. Victory Compact Series

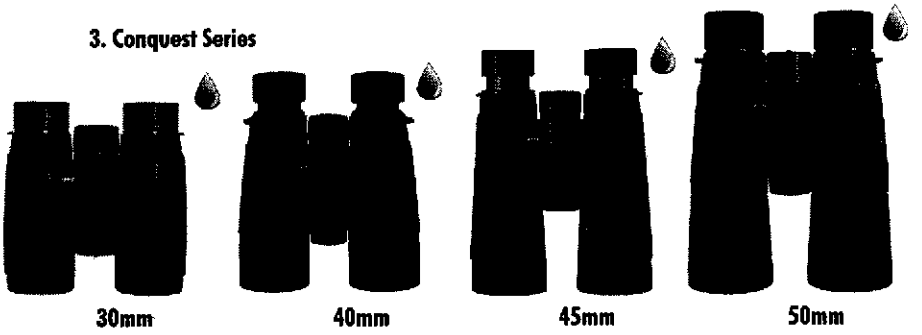


2. Victory Compacts

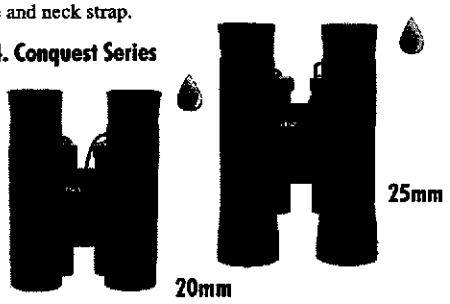
Representing a peak in the evolution of small, lightweight binoculars, the Victory pocket with Zeiss T* multi-layer coatings delivers image brilliance, razor-sharp definition and outstanding color fidelity. Zeiss tops off these waterproof, fog proof compacts with attractive armoring for a firm, comfortable grip in the most extreme weather

Zeiss Victory Compact Features:
Phase corrected, Pechan prisms, T* multi-layer coating, lockable push-pull eyecups, waterproof, nitrogen filled, glass-fiber reinforced synthetic housing, rubber armor, case and neck strap.

3. Conquest Series



4. Conquest Series



3. Conquest Mid and Full Size Series — Lightweight binos for daylight viewing

Legendary Zeiss optics land solidly at an attractive price with the Conquest binocular series. Along with fine views, Zeiss carefully engineers these binoculars to keep the smallest drop of moisture away from the optics. Available in a wide range of sizes and magnifications, you can count on a Conquest for rich details throughout the day and well into the night.

- **30mm: Mid sized and lightweight for long hauls up steep mountain slopes or treks across vast open prairies.**
- **40mm: Popular for easy handling and fine viewing from sun up to sundown.**
- **45mm: Super powers for triumphant views of wildlife at long distances.**
- **50mm: Extremely bright for challenging low light situations.**

4. Conquest Compacts — Small waterproofs.

Folding down to the size of a cell phone, it's hard to think of a reason not to carry one of the Conquest compacts. Built with the ruggedness you demand for outdoor life, these bright binos come at a great value.

Zeiss Conquest Compact Features:
Phase corrected, T* multi-layer coated, Pechan prism, waterproof, case and neck strap.

Zeiss Mid and Full Size Conquest Features:
Phase corrected, T* multi-layer coated, Pechan prisms (40mm and 50mm use Abbe-Koenig prisms), locking twist-in eyecups, waterproof, nitrogen filled, rubber armor, eyepiece cap, cordura pouch with belt loop, neck strap.

	Victory Compacts		Victory FL Series							Conquest Series									
	8x20	10x25	8x32	10x32	7x42	8x42	10x42	8x56	10x56	8x20	10x25	8x30	10x30	8x40	10x40	12x45	15x45	8x50	10x50
Eye Relief	14 mm	14 mm	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	14 mm	14 mm	15 mm	15 mm	16 mm	15 mm	14.5 mm	14.5 mm	16 mm	15.5 mm
Close Focus	8.5'	13.1'	6.5'	6.5'	6.5'	6.5'	6.5'	9.8'	9.8'	9.8'	16.4'	9.8'	9.8'	9.8'	9.8'	16.4'	16.4'	10.5'	10.5'
Field of View (1000 Yards)	351'	285'	420'	360'	450'	405'	330'	390'	330'	330'	264'	360'	288'	360'	315'	240'	192'	330'	288'
Height	4.0"	4.7"	4.6"	4.6"	6.5"	6.8"	6.8"	7.9"	7.9"	4.0"	4.7"	5.6"	5.6"	5.6"	5.6"	6.8"	6.8"	7.8"	7.6"
Width	3.8"	3.8"	5.1"	5.1"	5.0"	5.0"	5.0"	6.2"	6.2"	3.7"	3.8"	4.5"	4.5"	5.25"	4.5"	4.7"	4.7"	5.2"	5.2"
Weight	7.9 oz	8.8 oz	19.8 oz	19.8 oz	26.1 oz	26.6 oz	27.0 oz	43.0 oz	44.0 oz	6.5 oz	7.1 oz	17.5 oz	18.0 oz	29.0 oz	29.0 oz	21.3 oz	21.9 oz	32.0 oz	32.0 oz

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ABOUT OPTICS

An Eagle Eye View of Optics

You want power—power to obtain details you just can't see without optics. After nearly 400 years of refining lens and prism systems, you do get power ... and more. You also get choices in size, style, cost, and quality. As you consider which optics you need, note how the overall optical quality (generally indicated by price) greatly affects image details. Our advice is that you should invest in the best optical quality you can afford.

What about the size of binoculars?

Binoculars range from small "pocket" binoculars to the largest astronomical binoculars that need to be mounted on a tripod. In between these extremes are many hand-held models that work well for a wide variety of nature observation and outdoor activities. In the past, birders and other wildlife observers often chose between the relatively bright views and steady handling of the 7x35 and 8x40 configurations. Today, however, there are many 10x42 (and 10x50) binoculars showing up in the hands of birdwatchers. Why this trend? Recent developments in stronger, lighter materials, coupled with streamlined designs, make these larger binoculars easier to handle.

Whether the binoculars are slim, bulky, heavy or lightweight will depend on several factors including the focal length and prism design. The Porro prism design is usually larger than a roof prism of the same configuration .. but not necessarily heavier. The use of polycarbonate materials and die cast aluminum has done much to reduce the weight of binoculars without sacrificing ruggedness. Rubber armoring may add weight, but proves its value in protecting the optics and providing you with a more comfortable, secure grip.

Which size binoculars are best for you?

Large Size
Long-range observation, day or night.

Full Size
Birding, nature study, general use.

Mid Size
General day use, travel.

Compact Size
Hiking, travel, backpacking.

What about spotting scope size?

If you need magnifications of 15x or higher, consider a spotting scope. This is the ideal tool for watching wildlife by allowing you to overcome the barriers of terrain or distance in order to get a good look at animals while keeping a safe distance!

Think about how you'll use your scope and how much you'll be carrying it (and the tripod it requires) around. Spotting scopes for birding, general nature study, and hunting vary in size from 40mm to 90mm. The diameter of the objective lens (along with the optical design of the scope) directly affects the size, weight, and even the price. A larger objective lens allows more light to enter the optical system. This provides greater details while viewing wildlife as well as better images when photographing and digiscoping.

In the real world of overcast days, air disturbances, and shadowy habitats, 20x to 45x eyepieces are quite adequate for most scopes up to 66mm, though the 20–60x zoom eyepieces are very popular. Larger objective lenses of 70mm to 100mm can resolve even more clearly at higher magnifications.

Angled body position
You'll find the angled style is ideal for viewing upwards in situations like watching nesting herons high in the treetops. In addition, this offset position makes it easier to share your scope with friends of different heights.

Straight body position
The straight position offers a natural line of sight that is helpful when following wildlife, and also works well when viewing downward from an elevated platform, such as a deck or patio.

General Guidelines on Size and Magnification

As magnification increases

Increases:
- Image shake
- Atmospheric haze
- Heat waves

Decreases:
- Brightness
- Depth of field
- Field of view

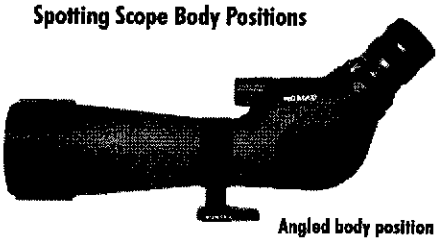
As objective lens size increases

Increases:
- Brightness
- Resolution
- Size and Weight

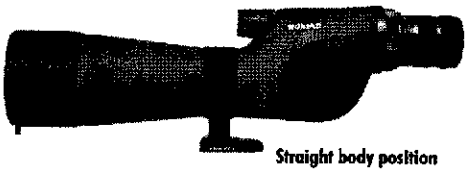
Hobby Guide to Size of Binoculars and Spotting Scopes

- **Astronomy:** objective lens of 50mm+
- **Birding:** 6x to 10x, wide field
  - Low light: Exit pupils of 5mm+
  - Close-up: 6x to 8x, close focus
  - Shorebirds: 10x or more
  - Birds of Prey: 10x or more
  - Pelagic: waterproof, rubber armored
- **Boating:** waterproof, exit pupils of 5mm+
- **Hiking:** compact, waterproof, armored
- **Spectator Sports:** 6x to 8x, wide field
- **Theater and Concerts** 3x to 5x
- **Watching wildlife:** waterproof, armored, durable
  - Short range: 6x to 8x
  - Long range: 9x to 10x or more
  - Open terrain: 9x to 10x or more

Spotting Scope Body Positions

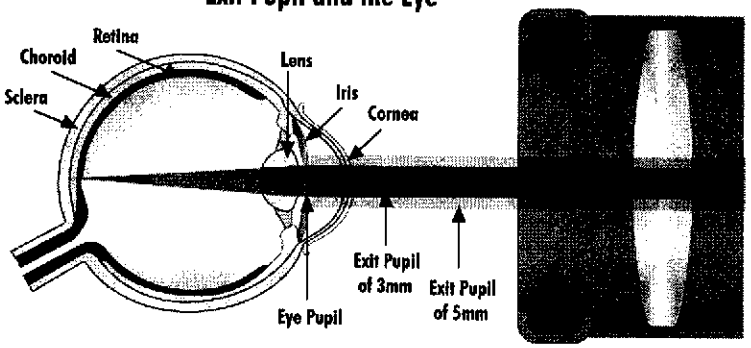


Angled body position



Straight body position

Exit Pupil and the Eye



During bright daylight your eye pupil may dilate to 3mm, and the extra light of a 5mm exit pupil simply falls on the iris. Though this "wasted" light indicates that you could get by with more compact binoculars, you will want exit pupils of this size (or larger) when you watch wildlife at twilight, in deep shadows, or view from boats and other moving vehicles.

$$\text{Exit Pupil} = \frac{\text{Aperture}}{\text{Magnification}}$$

Daylight viewing
Exit pupil = 2 to 3mm

Twilight viewing
Exit pupil = 5mm or more

Light matters and the eye

Light follows a path through an optical system to the retina at the back of your eye (see **Exit Pupil and the Eye** diagram). In general, you will see more details if the "pupil" of your binoculars or spotting scope (**exit pupil**) is at least as large as the actual pupil of your eyes.

Binoculars for low light conditions

When less light is available, the eye pupil will dilate to 5mm or more (iris becomes less elastic, contracting and dilating to a lesser degree, toward the middle years). If you enjoy watching wildlife when it is most active, choose full size binoculars with an exit pupil of at least 5mm for best performance in the low light of dawn and dusk, on overcast days, or deep shadows.

Binoculars for bright light conditions

On sunny days, or in well-lit buildings, your eye pupil may contract to as little as 2 or 3mm. For these viewing situations, you can easily get by with more compact binoculars, but think twice about purchasing compacts as your main binoculars for watching wildlife at twilight ... image quality may not be what you need.

8x25 Binoculars
Exit Pupil = 3.125mm

7x50 Binoculars
Exit Pupil = 7.14mm

The exit pupil is seen as the white circle in the center of these eyepiece.

Parameters to Compare among Binoculars and Spotting Scopes

Birders and naturalists are always looking for better colors and sharper details to identify subtle field marks and characteristics of wildlife. An investment in the best optics you can afford is a big step toward making more exciting discoveries in the world of nature. Once you determine how much you are able to invest, compare the parameters listed in the catalog as you choose optics to best suit your specific needs.

	Binocular Model
Eye Relief	19.5mm
Close Focus	5'
Field of View (1000 Yards)	336'
Height	5.75"
Width	5.1"
Weight	23.6oz

	Scope Model
Eyepiece	12-40x
Eye Relief	30mm
Field of View (1000 Yards)	168-52'
Close Focus	36'
Weight	37oz
Length	12.4"

Effective eye relief for more comfortable viewing

Seeing the full field of view with eyeglasses on used to be a problem because eye relief was simply not long enough. Today, however, you'll find many binoculars and spotting scope eyepieces offer more than enough eye relief for every user (15mm is considered ample eye relief for most users).

The current state of eyecup design

Even if you don't ever wear eyeglasses or sunglasses, you'll appreciate the comfort of today's rubber eyecups—gone are the days of resting your eyebrow against a hard metal or plastic eye ring. Even the softer "fold-down" rubber eyecups have been modified for comfort and convenience that was only dreamed of a few years ago. In this catalog you'll find a variety of "pop-up", "twist-up", "twist-and-lock", and "multi-stop" eyecups that allow you easy access to the eye relief that is most pleasing to you.

Close focus for detailed nature study

If you hope to study the intricate details of butterflies, insects, plants, and geological formations, look for optics that focus more closely. In the past, most binoculars only focused to 18–20 feet. Today, many binoculars focus as close as 8–10 feet. Some even let you enjoy details from little more than an arm's length away!

Wide field of view for following wildlife on the move

The circular view you see through binoculars and spotting scopes can be measured in feet (linear field at 1000 yards) or degrees of arc (angular field) as shown to the right. When you need extra power to keep an eye on a distant rookery, skittish gulls, or terns at the beach, you'll add to your enjoyment with wider than normal fields. A wider field gives you extra time to react to birds that move around quickly and unpredictably— helping you stay with the action!

The field of view generally decreases as magnification increases, and is largely controlled by the optical design (rather than the size of the objective lens). You'll notice that the fields of view through spotting scopes are significantly smaller than through binoculars. Most scopes have fields of view between 53 and 157 feet—usually quite adequate for medium to long-range viewing. You'll want to compare how each eyepiece affects the field of view.

Optical Glass and Coating Quality

Optics are all about delivering bright, clearly magnified images. However, any lens or prism reflects away or absorbs some of the light as it passes through the optical system. The result? Not all of the light entering the objective lens actually gets transmitted through to your eye. So, in addition to looking at the objective lens size and exit pupil, consider the actual quality of the optical system. Finer grades of optical glass with anti-reflection coatings dramatically improve how well you'll see by increasing light transmission through the optical system.

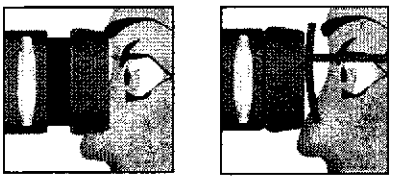
High density glass

Finer grades of optical glass, such as BaK-4 (barium crown) glass may cost more, but are worth the price because they reduce the internal scatter of light better than less expensive BK-7 (boro-silicate) glass. BaK-4 glass produces sharp images and is commonly used. ED (Extra-Low Dispersion) and HD (High Density) glass deliver the ultimate in high resolution with the most vivid colors.

Anti-reflection coatings

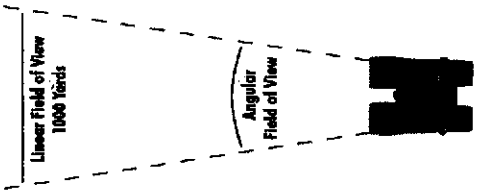
By applying multiple layers of high quality anti-reflection coatings to each air-to-glass surface, more light makes it to your eye. The result? Brighter, better defined views for you.

Retractable Eyecups



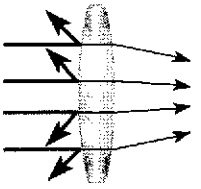
Extended eyecups — Retracted eyecups

Making room for eyeglasses begins with having enough distance between the ocular lens and where the image comes into focus. Retractable eyecups allow eyeglass wearers to take advantage of longer eye relief, and see the full field of view.



Wide-angle eyepieces deliver wider fields of view, and are popular with birders for following birds in flight.

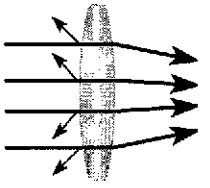
Anti-reflection Coatings



If optics are uncoated, less light is transmitted through the optical system.

Uncoated Optics

Coated optical glass allows a greater amount of light to pass through the optical system — resulting in brighter views. Finer optics use a greater number of higher quality coatings to increase the amount of light transmitted.



Coated Optics

Optical Design

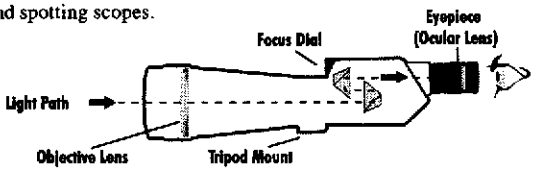
Binoculars and spotting scopes use one of several image-erecting prism systems to present correctly-oriented images.

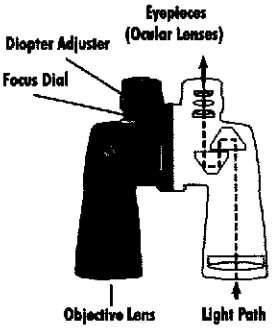
Galilean Design

Galileo gets the credit for combining a concave lens in the eyepiece and a convex lens as the objective. First used about 400 years ago, this system is still used for low-powered theater glasses.

Porro Prism Design

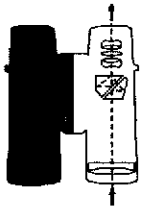
Professor Ignazio Porro invented the modern Porro prism in the mid-1800s. Traditionally large, they are now smaller and lighter. Porro prisms have widely spaced lenses to deliver wider fields of view, a greater depth of field, and an enhanced 3-dimensional image. Compared to roof prism of the same quality, the Porro prism often costs less to produce, and is commonly used in binoculars and spotting scopes.





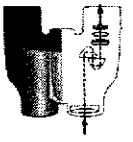
Roof Prism Design

Researchers at Carl Zeiss in Jena, Germany invented the roof prism in the 19th Century. Increasingly popular, the streamlined design is comfortable to hold for long observation periods. The complex design also features an internal focus system that is less susceptible to internal fogging and potential entry of dust or moisture. Precise tolerances required during manufacturing make top quality roof prism binoculars significantly more expensive than Porro prism counterparts. The roof prism design is also used in spotting scopes.



Reverse Porro Prism Design

By inverting the prism and lens arrangement, the reliable quality of the Porro prism comes in a much smaller, compact, easy to carry body.



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MONOCULARS

1. Audubon 6x16 Monocular
With an incredible range of focus, you'll catch the beauty of nature landing as near as 36 inches. A real featherweight, this ultra-compact monocular is great for observing architectural and artistic details that would otherwise escape your notice.

Audubon 6x16 Monocular Features:
Strap, carry case with belt-loop attachment. **Blue, Metallic, or Yellow finish.**

2. Brunton Macroscope™
Zoom in to just 18 inches and back out to infinity with an easy turn of the focus dial. This 7x40 monocular really brings details to life!

Brunton Macroscope Features:
BaK-4 prism glass, fully multi-coated, twist-up eye relief system, large focus wheel, aluminum frame with ergonomic body armor, tripod adaptable.

3. Eagle Optics 7x18 Insight Monocular
So you want to travel light? The Insight monocular is a perfect travel companion. Of course, the wide field of view makes locating birds and wildlife all the easier—bringing distant vistas seven times closer, too.

Eagle Optics Monocular Features:
Strap and soft pouch with belt-loop attachment. **Bluebird Blue, Cardinal Red, Goldfinch Yellow, Warbler Green, or Metallic finish.**

4. Minox Minoscope
This miniature telescope fits neatly in the palm of your hand. The 8x magnification is great for watching wildlife with a tough armor and waterproofing that stands up to wear and tear as well as accidental dunks while canoeing. Enter the world of macro-viewing at one extreme, big events at stadiums and concert halls at the other!

Minox Minoscope Features:
Multi-layer coatings, waterproof, fog proof, rubber armored, twist-up eyecups, case and strap.

5. Minox 6x16 and 8x16 Monoculars
German engineers designed the slide lever focus so you can make easy adjustments with just one hand. In addition to the compact 8x16 size, the 6x16 comes with (16x16A) or without a built-in altitude meter (6x16).

Minox Monocular Features:
Multi-coated optics, case and strap.

6. Vixen H 5–15x17 Monocular
Vixen puts a whole range of viewing power (5–15x) in a tight package that fits in the palm of your hand. In addition, this monocular works much like a loupe—focusing clearly on details less than eight inches away!

Vixen Monocular Features:
Multi-coated optics, case and strap.

7. Vortex Solo 8x25 Monocular
Leave all your concerns about the weather back at the trail head. The lightweight Solo is completely waterproof and fog proof, armored in rubber for a non-slip grip and protection from rough landings—packing all the power you need for enjoyable adventures in the wilderness.

Vortex Solo Monocular Features:
Waterproof, nitrogen purged, rubber armor, case and neck strap.

8. Zeiss DesignSelection Monoculars
Zeiss combines sophisticated styling with sure-fire mechanical and optical systems that excel in the field. The four elegant DesignSelection styles are:

4x12: The 4x12 Mono is a magnificent magnifier that is easy to use in anytime you need a closer look. *Draw tube focus.*

6x18: Consider using the mid-power 6x18 monocular for museum and stadium events. Its 366-foot field-of-view gives you a good perspective and a push-pull focus easily adjusts for stunning contrast and brilliant views. *Draw tube focus.*

8x20: The 8x20 DesignSelection monocular makes an ideal mini-telescope for people who travel, attend sporting events, or take in cultural events. *Diopter focus.*

10x25: Zeiss' biggest and brightest 10x25 monocular magnifies your view ten times and is an effective tool for orienting yourself to distant landmarks or nearby views—complete with a handy lanyard. *Diopter focus.*

DesignSelection Monocular Features:
Zeiss P* and T* coatings, waterproof, case and strap.

9. Zeiss Conquest Mini Quick Monocular
No larger than a fountain pen and weighing less than a pocketknife, the Mini Quick puts brilliant, highly contrasted views in your hand. Great for gifts!

Mini Quick 5x10 Features: T*multi-coatings, waterproof, leather pouch and built-in pocket clip.

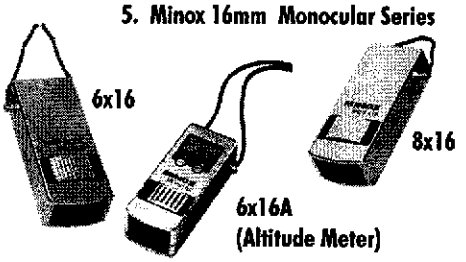
1. Audubon 6x16 Monoculars
Available in Blue, Yellow or Metallic finishes.

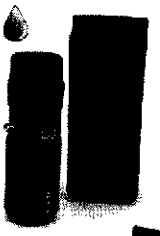
2. New Brunton 7x40 Macroscope

3. Eagle Optics Insight 7x18 Monocular

4. Minox 8x25 Minoscope

5. Minox 16mm Monocular Series

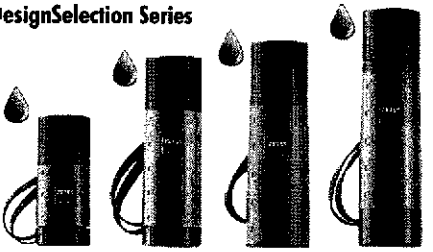




6. New Vixen H 5–15x17 Monocular

7. Vortex Solo 8x25 Monocular

8. Zeiss DesignSelection Series



9. Zeiss Conquest Mini Quick

	Audubon	Brunton Macroscope	Eagle Insight	Minox			Vixen	Vortex Solo	Zeiss Design Selection				Zeiss Conquest
	6x16	7x40	7x18	Minoscope	6x16	8x16	5–15x17	8x25	4x12	6x18	8x20	10x25	5x10
Eye Relief	8mm	15 mm	8 mm	12 mm	16mm	14mm	13-9 mm	10 mm	16 mm	16 mm	16 mm	16 mm	16 mm
Close Focus	3'	1.5'	8'	1.2'	5'	5'	7'	17'	1'	1'	9.8'	16.4'	13.1'
Field of View (1000 Yards)	473'	336'	470'	342'	420'	368'	289–168'	430'	552'	366'	345'	285'	300'
Length	2.3"	6.5"	3.0"	3.6"	3.2"	3.2"	3.8"	4.25"	2.8"	3.7"	4.0"	4.6"	4.5"
Width	1.1"	2.6"	1.0"	2.2"	1.3"	1.3"	1.3"	1.75"	1.1"	1.1"	1.3"	1.5"	0.6"
Weight	2.2 oz	11.3 oz	1.8oz	5.3 oz	3.7 oz	3.7 oz	3.5 oz	5.8oz	1.6oz	2.0oz	2.7oz	3.1 oz	.8oz

Audubon Spotting Scopes

The officially licensed spotting scopes by Vortex for the National Audubon Society. Limited lifetime warranty on all Audubon spotting scopes.

1. 60mm Lightwave Spotting Scope

Lightweight and affordable!

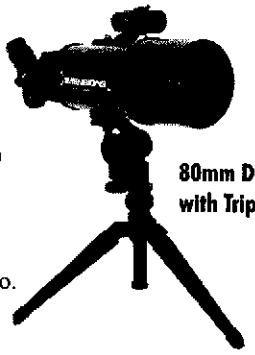
Looking for a rugged, compact scope that is easy to carry on hikes through your favorite natural areas? Keep your load light with Audubon's 60mm Lightwave. The Lightwave features fully multi-coated optics for sharp, color-correct views of birds at a nearby feeder or deer in a field. Use the integrated sunshade to reduce glare. From 15x up to 45x, you will enjoy satisfying views.

60mm Lightwave with Tripod

Audubon 60mm Lightwave Features:
15–45x eyepiece, fully multi-coated, waterproof, fog proof with nitrogen purging, deluxe padded storage case, tabletop tripod.

2. 80mm Dimensions Spotting Scope

Exceptional for astronomy, the Audubon Dimensions spotting scope will increase your appreciation of the cycles of our moon, lunar eclipses, planets, and galaxy. Use the low-power finderscope to point the Dimensions in the right direction, and then focus smoothly with the fast 1.25" rack-and-pinion focuser. Mounted on its portable tabletop tripod, you'll use the Dimensions for exciting views of birds and other critters, too.



80mm Dimensions with Tripod

Audubon 80mm Dimensions Features:
Standard astronomical eyepieces (20x and 45x), multi-coated optics, rack-and-pinion focuser, finderscope, built-in tripod adapter for mounting on standard photographic tripods, tabletop tripod, dew shield.

	Lightwave 60mm	Dimensions 80mm	
Eyepiece	15–45x	20x	45x
Eye Relief	18–15 mm	14 mm	8 mm
Field of View (1000 Yards)	122–62'	90'	60'
Close Focus	50'	28'	28'
Weight	25.2 oz	55.0 oz	
Length	15"	15"	

Bushnell Spotting Scopes

Experience with binoculars dates back to 1947, and continues with contemporary spotting scope designs. Bushnell lifetime warranty.

Bushnell Rainguard® Protection
Bushnell's Rainguard® prevents fogging caused by condensation—see details on page six.

1. Elite 80mm Porro Prism Spotting Scopes

Bright ED glass pulls out fine details

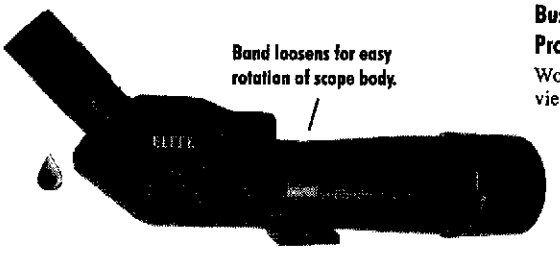
The secret to appreciating life's big picture is in enjoying all the small pieces that go into it—and the Elite spotting scope delivers every glorious detail no matter how little.

These scopes are crafted with the finest materials, from ED Prime Extra-Low Dispersion glass to premium BaK-4 Porro prisms. You can count on an Elite to provide amazing color fidelity and contrast, extraordinary brightness, and the most distinct details possible, even in low-light conditions. You won't miss a feather on a woodpecker's head or a snort of mist from the bull elk's nostrils ... assuming you want to see mist from a bull elk's nostrils!

Easy rotation of scope body

The angled body position of the 80mm Elite scopes makes sharing views with children so easy. Instead of changing the height of the tripod, simply rotate the scope body so that the eyepiece faces downward. Also helpful when using a car window mount.

Bushnell Rainguard® Protection
Working hard to keep viewing at its best!



Band loosens for easy rotation of scope body.

Elite 80mm ED Angled Porro Prism

Elite 80mm ED Straight Porro Prism

Bushnell 80mm Elite Features:
20–60x eyepiece, ED glass, BaK-4 Porro prisms, Rainguard®, waterproof, nitrogen sealed, rubber armor, retractable sunshade, objective and ocular lens covers, black zippered view-through protective case.
Choose between Straight or Angled scope body positions.
Available Accessories: 22x and 30x eyepieces, Bushnell SLR/DSLR photo adapter, also compatible with Vortex large digiscoping adapter.

	Elite 80mm ED
Eyepiece	20–60x
Eye Relief	18 mm
Field of View (1000 Yards)	98–50'
Close Focus	15'
Weight	53.0 oz
Length	17"

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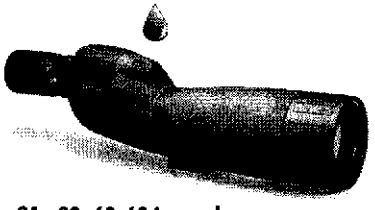
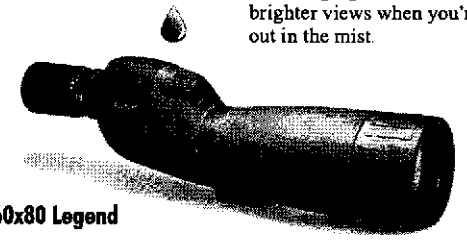
BUSHNELL SPOTTING SCOPES

2A-B. Legend Spotting Scopes — Go anywhere in any season!
Built on the legacy of the Bushnell Legend binoculars, the Legend spotting scope continues the series with optics wrapped in a solid, rugged housing that's ready for any condition. You really can travel anywhere, in any season, with the Legend™ as your companion. The 100% waterproof and fog proof housing stands up against harsh elements and the rubber armor shields the housing from rough fieldwork. Extra-long eye relief means that every user can enjoy comfortable viewing—even when wearing eyeglasses.

Bushnell Rainguard® Protection
Reducing light scatter for brighter views when you're out in the mist.



2A. 20–60x60 Legend



2B. 20–60x80 Legend

Bushnell Legend Spotting Scope Features:
20–60x eyepiece, fully coated optics, BaK-4 Porro prism, Rainguard®, waterproof, fog proof, rubber armor, objective and ocular lens covers, soft carry case.

2A. Legend 20–60x60 Spotting Scope
If you'll do the footwork, the Legend will do the rest! Bushnell makes the task of trailing wildlife as easy as optically possible with the bright, razor-sharp imagery of this 60mm spotting scope. The 20–60x60 Legend scope delivers precise, powerful field performance for an exceptional price.

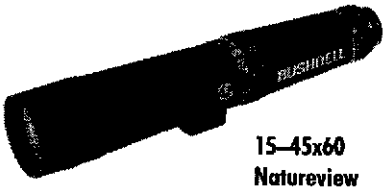
2B. Legend 20–60x80 Spotting Scope
Ducks at dawn and deer at dusk just got easier to see with the largest of the Legend spotting scopes. A wonderfully sized 80mm objective pulls light through the 20–60x zoom range for amazing views of feather and fur. As with the Bushnell 60mm Legend spotting scope, this Legend delivers precise, powerful field performance for an exceptional price.

3. Armored Spacemaster Spotting Scopes
The beauty of this Spacemaster spotting scope lies in how the 60mm high resolution objective lens is able to feed brilliant, clear images to your eye through the zoom eyepiece. Roam where wildlife is free and master the challenges of nature with Bushnell's best-selling Spacemaster spotting scope. This classic favorite has a new armored look and is more rugged than ever! Complete waterproofing guarantees fine viewing after enduring rain, sleet, and snow storms. Full fog proofing gives you the freedom to move out of the cabin, into the cold ... and not miss out on a minute of viewing.

Bushnell Spacemaster Spotting Scope Features:
15–45x eyepiece, fully coated optics, BaK-4 Porro prism, Rainguard®, waterproof, fog proof, rubber armor, objective and ocular lens covers, carry pouch.
Available Kits: Choose between the 20–45x60 or the 15–45x60 (Black or Camo armor) models. Kits include a compact tripod and backpack carry case.

60mm Spacemaster

4. Natureview Spotting Scopes
This spotting scope has a wide field of view and long eye relief for comfortable viewing while birding. As part of the Bushnell Birding Series, the Natureview was designed to enhance your enjoyment of the avian world. Set it up at home for fun views of cardinals feasting at your sunflower feeder. Take it to nature reserves for better views of less common birds in their natural habitats. The 15–45x zoom eyepiece will work well at longer distances. A smooth rubber finish guards the scope body.



15–45x60 Natureview

Bushnell Natureview Features:
Fully coated optics, built-in 15–45x eyepiece, photo adapter, rubber armor, objective and ocular lens covers, soft carry case.
Available Accessories: T-ring to match 35mm camera.

	Legend		Spacemaster		Natureview
	60mm	80mm	60mm		60mm
Eyepiece	20–60x	20–60x	15–45x	20–45x	15–45x
Eye Relief	21 mm	20 mm	11 mm	18 mm	32 mm
Field of View (1000 Yards)	138–68'	109–52'	125–42'	90–30'	150–38'
Close Focus	12'	12'	30'		30'
Weight	34.3 oz	55.4 oz	43.0 oz		29.0 oz
Length	14.3"	17.3"	12.7"		14.0"

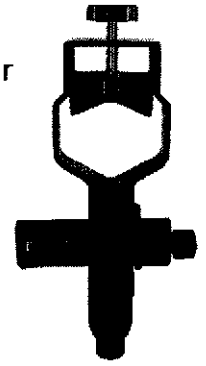
VORTEX

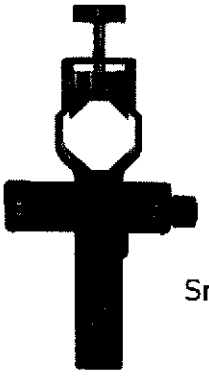
Digiscoping made easy.

Universal Digital Adapter

Available in two sizes ...

Large Adapter 43-65mm*





Small Adapter 28-45mm*

*outside diameter of eyepiece

See page 45 to select an adapter for your spotting scope.

VORTEX

Eagle Optics Spotting Scopes

Building a reputation for unmatched customer service, and an exceptional selection of quality products at extremely competitive prices. Eagle Advantage limited transferable lifetime warranty.

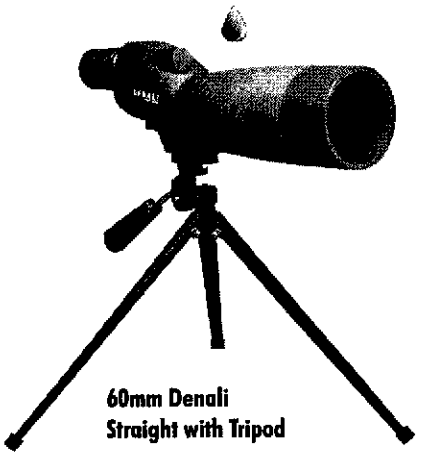
1. Denali Spotting Scopes
Ideal for the active hiker

Robust and field worthy, the 60mm Denali is made for exploring mountains, prairies, and any other natural space you find yourself in. Start panning distant horizons at 15x and zoom in at 45x for the critical details to complete the picture. You'll be pleased with the clearly defined views of the Denali. Pick up the Denali and enjoy a great value!

At less than 27 ounces, you'll be free to roam wherever you want—the Denali spotting scope won't ever be a burden. This small scope packs up for grand adventures in the high country as well as casual wildlife watching at more local parks. The included table-top tripod is easy to use on decks or picnic tables and makes a nice addition for convenient viewing at home, too.

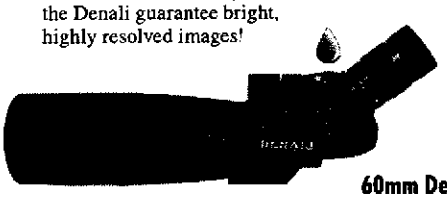
Choose the Denali and be ready for the unexpected surprise on the trail. If you do get covered with dust or soaked with rain, don't worry. The solidly-built Denali is both waterproof and fog proof. A view-through case protects the Denali from unwanted dings and shocks.

Eagle Optics Denali Spotting Scope Features:
Built-in 15-45x eyepiece, fully multi-coated lenses, Broadband coatings, BaK-4 prisms, waterproof, fog proof with nitrogen purging, tabletop tripod, view-through case.
Choose Straight or Angled scope body position.



60mm Denali Straight with Tripod

Bright, Bright Views
The Broadband coatings of the Denali guarantee bright, highly resolved images!



60mm Denali Angled

Unpack the box and take off!
You'll be ready to head down the trail with the Denali — comes with this handy tabletop tripod.

2. Triumph Spotting Scope — Extremely portable

Need a small spotting scope for travel? The 8-24x50 Triumph provides good eye relief and comes at an unbeatable price. The 50mm Triumph is ultra-portable, super lightweight (less than 26 ounces) and comes with its own tabletop tripod. A perfect choice for packing light, the Triumph makes a great gift!

50mm Triumph with Tripod

All you need to start viewing
The Triumph comes ready to mount on its own tabletop tripod.

Eagle Optics Triumph Spotting Scope Features:
Built-in 8-24x eyepiece, multi-coated optics, tabletop tripod, soft carry case.

	Denali 60mm	Triumph 50mm
Eyepiece	15–45x	8–24x
Eye Relief	15–14mm	16–11mm
Field of View (1000 Yards)	148–80'	189–84'
Close Focus	32'	15'
Weight	23.6 oz	25.8 oz
Length	13.9"	10.6"

The Masterpiece Collection for elegant (and everyday) occasions!

Theater Glasses with Program Light

These theater glasses arrive well-dressed with a most contemporary flair. At the touch of a button, a red light illuminates your program without disturbing your eyes (or those of the patrons seated around you). Carefully cut and polished optics heighten the drama on stage with details to delight anyone ... and you don't even need to focus! Simply lift these theater glasses to your eyes for effortless 3x viewing that is sure to enhance your evening out at the theater.

Features of Theater Glasses with Program Light
3x magnification, soft vinyl pouch, hard shell case.Lifetime warranty.

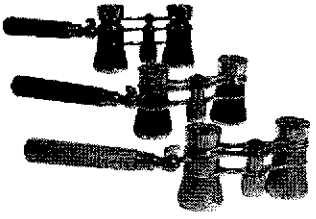
Theater Glasses with Program Light

- **Concerto:** Well-dressed in an elegant champagne finish. Blue case.
- **Encore:** Suited in black with gold-colored accents. Black case.
- **Ovation:** Proper, with gold-colored trim accenting the Mother of Pearl-like finish. Red case.

Theater Glasses with Program Light

Each theater glass comes with a carry pouch and storage case.

Theater Glasses with Handle



This adjustable handle makes viewing very comfortable.

Theater Glasses with Handle

Enjoy effortless viewing throughout the performance with glasses featuring an extended, adjustable handle for a comfortable hold. With carefully cut and polished 3x optics, these theater glasses will draw you close to the performers and bring you sheer delight as the drama unfolds.

Features of Theater Glasses with Handle
3x magnification, soft vinyl pouch, hard shell case. Lifetime warranty.

Theater Glasses with Handle
Prelude: Elegant silver finish and silver trim. Red case.
Sonata: Classic style with blue finish and silver trim. Blue case.
Symphony: Radiant with a red finish, accented with gold-colored trim. Black case.

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ACCESSORIES

For Binoculars

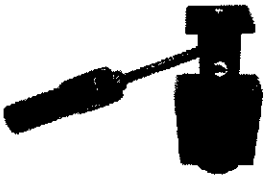
Eagle Optics Bino System Harness Strap
Lift the weight off your neck and spread it across your shoulders with the Bino-System Harness. Fully adjustable with elastic straps, you can slide binoculars and cameras up and out as needed. The harness eliminates any concern about dropping binos while you hike.

Eagle Optics Bino System Harness Strap

Mini Link Strap
Eliminate neck strain and cut down on the swinging action of your binocular or camera while keeping pace with wildlife. The Link Strap uses non-metal connections that won't scratch. It is an easy-to-use, inexpensive, alternative to the standard strap.

Mini Link Strap

Vortex Tripod Adapter
Most binoculars mount on a tripod for steady viewing over extended periods of time. Depend on this adapter to secure your binoculars on any tripod.

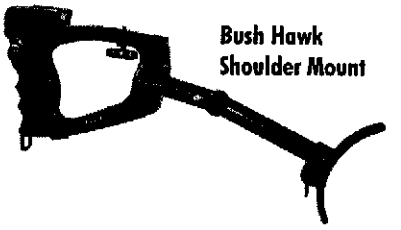


Eagle Optics Car Window Mount

For Spotting Scopes

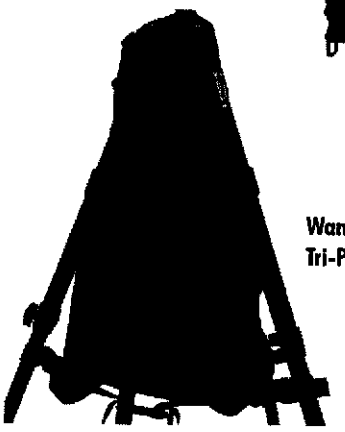
(Binoculars and Spotting Scopes)

Eagle Optics Car Window Mount
A simple twist of a knob secures the Eagle Optics car window mount on the windowpane of your vehicle and transforms your vehicle into a portable blind! Simply loosen the handle to guide your scope: a counter-clockwise twist lets you pan and a clockwise twist locks the scene in place.



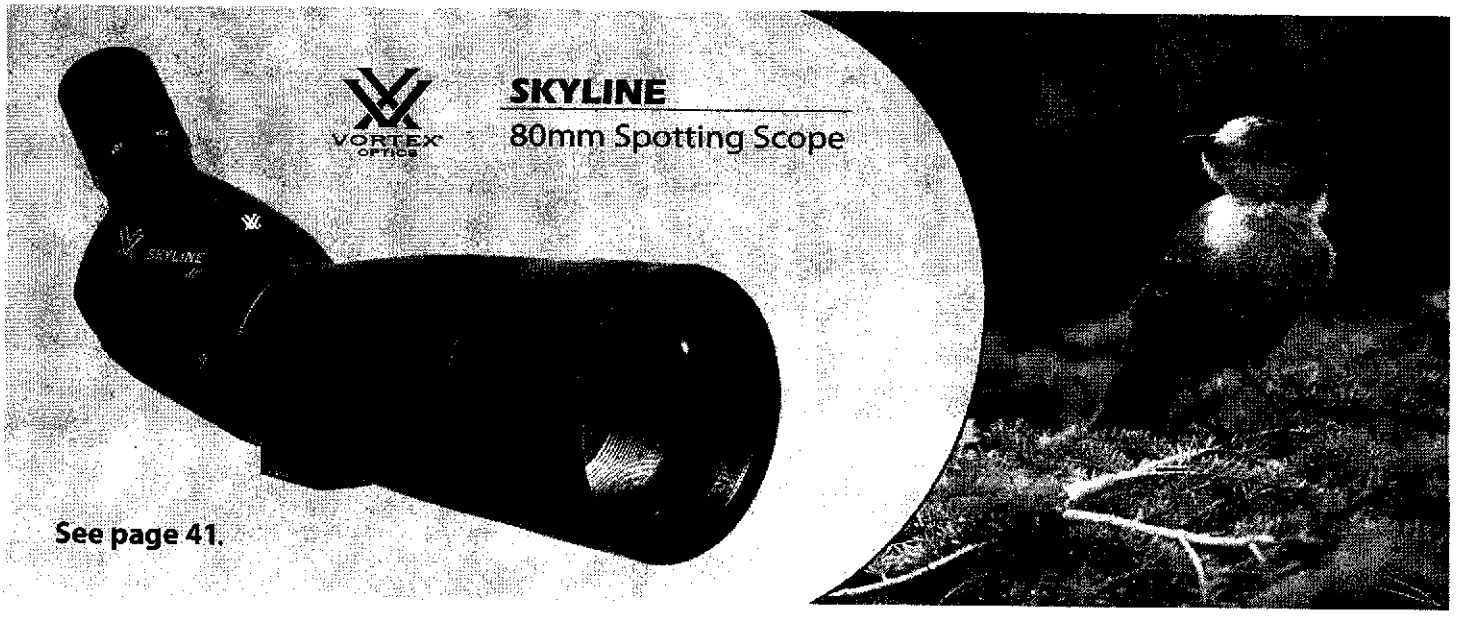
Bush Hawk Shoulder Mount

Bush Hawk Shoulder Mount
Tired of lugging around bulky tripods for use with your spotting scope? The BushHawk shoulder mount was designed for you! It quickly adjusts to your needs — flexible enough to suit right-handed and left-handed viewers. Constructed of high-impact space age plastic for a lifetime of service to you!



Wandering Tattler Tri-Pack Backpack

Wandering Tattler Tri-Pack Backpack
No matter how long your trek, you'll stride along in comfort with your tripod slung securely on your back. This Tri-Pack backpack keeps your hands free, and your tripod balanced.



See page 41.

Kowa Spotting Scopes

Established in 1894, Kowa remains just as committed to the needs of future generations today as it was in the beginning. Kowa limited lifetime warranty.

1. Kowa 88mm Spotting Scopes — Premium optics

Even in the challenging light of dawn and dusk, this scope delivers brighter views of birds and other wildlife when they are most active. A combination of a large 88mm objective, fine optical glass and superior coatings put crisp details within your reach. A quick focus knob gives you the ability to focus from 16 feet out to infinity in just two revolutions. The compact design of this 88mm spotting scope is an extra bonus as you travel from one spot to another.

- **Advanced lens system achieves less chromatic aberration without compromising brightness, and allows for a compact size.**
- **C3 coating is a multi-coating of dielectrics, reflecting at 99% or higher across the entire visible spectrum.**
- **Inner focus system decreases image movement when focusing.**
- **Large exit pupil provides bright images and ease of viewing**

The fine optics of this Kowa do not need pampering. You'll be able to face the inevitable downpour of rain or snow and keep on viewing when the sun shines again.

Kowa TSN 880 Series Features:
Multi-coated, Eco-Glass, waterproof, nitrogen filled, retractable sunshade, carbon fiber body, rubber armor, objective and ocular lens covers. **Choose between Straight or Angled scope body positions with Standard or Prominar Fluorite glass.**

Available Accessories:
25xLER, 30xWA, 20–60x eyepieces, protective case, Kowa digital camera adapter, Kowa SLR/DSLR photo adapter.

2. Kowa 77mm Series

Kowa uses a unique lens system giving you a more compact scope that is a pleasure to carry. Sharing the fine optical coatings of the 88mm scope, the slightly smaller objective lens of the waterproof 77mm Kowa will wow you with crisp, bright details!

TSN 770 Series Features:
Fully multi-coated, retractable sunshade, waterproof, nitrogen purged, rotating tripod mount, objective lens cover. **Choose between Straight or Angled scope body positions with Standard or Prominar Fluorite glass.**

Available Accessories:
25xLER, 30xWA, 20–60x bayonet eyepieces, view-through protective case, Kowa digital camera adapter, Kowa SLR/DSLR photo adapter

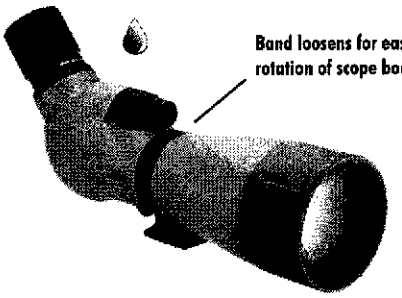
3. Kowa 66mm Series

Adding brighter views without the bulk

A TSN 660 is a compact spotting scope that delivers the brightness you need to distinguish feather from foliage in dim viewing situations. For the truest colors and improved image resolution, choose the ED glass elements of the angled TSN 663 or the straight TSN 664. As with all other Kowa spotting scopes, these completely waterproof and fog proof scopes are sealed for reliable performance in any weather condition.

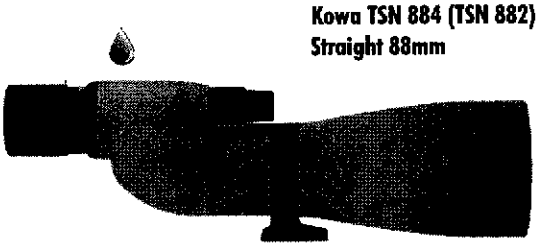
Kowa TSN 660 Series Features:
Fully multi-coated, waterproof, nitrogen purged, retractable sunshade, rotating tripod mount, objective lens cover. **Choose between Straight or Angled scope body positions in Standard or ED glass.**
Available Accessories: 20xWA, 25xLER, 30xWA, 20–40x, 20–60x bayonet eyepieces, digital camera adapters and rings, view-through protective case.

	TSN 660 Series 66mm					TSN 770 Series 77mm			TSN 880 Series 88mm		
Eyepiece	20xWA	25xLER	30xWA	20–40x	20–60x	25xLER	30xWA	20–60x	25xLER	30xWA	20–60x
Eye Relief	20mm	32 mm	20 mm	18.5–14.5 mm	22–11 mm	32 mm	20 mm	17–16.5 mm	32 mm	20 mm	17–16.5 mm
Field of View (1000 Yards)	173'	110'	126'	109–80'	89–52'	110'	128'	115–55'	110'	128'	115–55'
Close Focus	20'					16.4'			16.4'		
Weight	36.0 oz					46.9 oz			54.7 oz		
Length	12.0"					12.0"			13.0"		

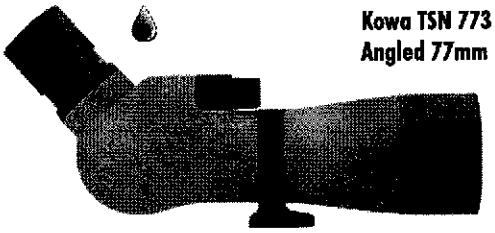


Kowa TSN 883 (TSN 881)
Angled 88mm

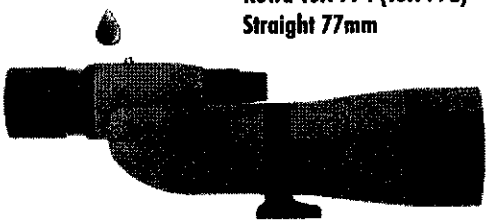
Kowa TSN 884 (TSN 882)
Straight 88mm



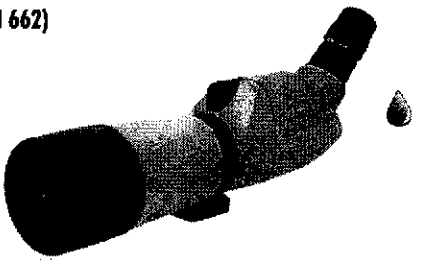
Kowa TSN 773 (TSN 771)
Angled 77mm



Kowa TSN 774 (TSN 772)
Straight 77mm



Kowa TSN 664 ED (TSN 662)
Straight 66mm



Kowa TSN 663 ED (TSN 661)
Angled 66mm

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Leica Optics

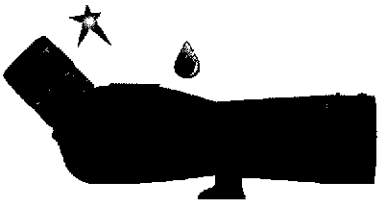
LEICA SPOTTING SCOPES

Optical masterpieces from environmentally-friendly materials and technology. Leica USA limited lifetime warranty.

Leica Televid 65 HD
Straight 65 mm

1. New Leica Televid HD Spotting Scope Series with 20–60x Eyepiece — So rich in detail.

High-definition (HD) optics characterize even the smallest of these premium spotting scopes. Leica's complete line of refined Televid spotting scope presents excellent resolution and natural, bright color reproduction. Not only do these scopes pull in distant details, but the extremely short close focus makes them ideal for watching insects, too.



Leica Televid 65 HD
Angled 65mm

1A. Leica Televid 65mm HD Spotting Scopes

The new fluoride lenses combine with a nicely-sized housing of robust magnesium—ideal when you want to be out and about during the day, but don't want to carry much with you.

1B. Leica Televid 82mm HD Spotting Scopes

Choose the 82mm objective with fluoride (FL) lenses for even greater optical insight into nature—rich in detail from dawn through dusk.

Televid HD Spotting Scope Features:
Schmidt prism system (Schmidt Pechan system in Straight model), fluoride glass objectives, multi-coated lens elements (65HD–5, 82HD–4), AquaDura protective coating, rapid-change bayonet mount, automatic eyepiece locking, internal focusing with patented dual focusing device, waterproof to a depth of 17 feet, fog proof with nitrogen purging, die-cast magnesium housing, rubber armored, sliding lens hood with sighting aid, rotating tripod base with locking screw. **Choose between Straight or Angled scope body positions.**

Leica Televid 82 HD
Straight 82 mm

Leica AquaDura™ Coating
A new development from Leica, the AquaDura™ coating reduces fogging and allows moisture droplets and dirt to simply roll off the lenses. This ensures clear visibility through every Televid spotting scope—even in the wind and rain.

Leica Televid 82 HD
Angled 82 mm

Leica Televid 65 APO
Straight 65 mm

Leica Televid 65 APO
Angled 65mm

2. New Leica Televid APO Spotting Scope Series with 25–50x Eyepiece — Top-of-the-range imaging.

Apochromatic optics combined with new FL lenses increase the light yield for the finest natural details possible. The APO Televid's 25-50x wide-angle eyepiece promises top-of-the-range imaging in a rugged housing.

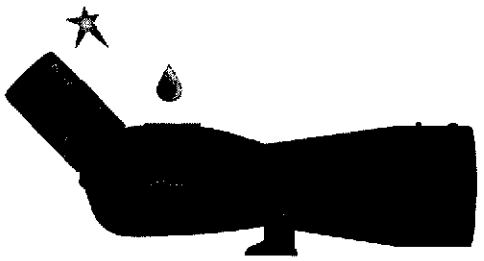
2A. Leica Televid 65mm APO Spotting Scopes.

For birders and nature watchers during the day, the 65mm APO Televid delivers uncompromising optics in the smallest format.

2B. Leica Televid 82mm APO Spotting Scopes.

The Leica 82mm APO Televid is perfect for experiencing nature at very close range. You'll be thrilled with the high quality of images when you view—and if you're into capturing nature by digiscoping.

Televid APO Spotting Scope Features:
Schmidt prism system (Schmidt Pechan system in Straight model), optically-neutral front lens glass to protect the apochromatically-corrected (APO) optic, four lens elements (all multi-coated), AquaDura protective coating, rapid-change bayonet mount, automatic eyepiece locking, internal focusing with patented dual focusing device, waterproof to a depth of 17 feet, fog proof with nitrogen purging, die-cast magnesium housing, rubber armored, sliding lens hood with sighting aid, rotating tripod base with locking screw. **Choose between Straight or Angled scope body positions.**



Leica Televid 82 APO
Angled 82 mm

Leica Televid 82 APO
Straight 82 mm

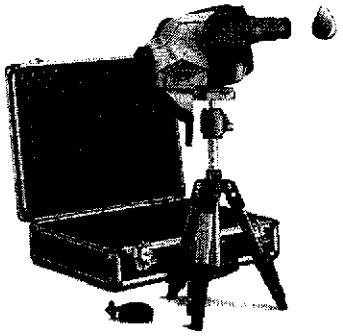
Televid Eyepieces.
Leica's newly developed variable eyepieces gives you a wide-field viewing experience that is most unique. All are waterproof to a depth of over 16 feet, fog proof (filled with nitrogen), and have rubberized elements along with comfortable, rotating eyecups.

The 32x eyepiece (sold separately) has a particularly large field of view—a worthwhile addition to the variable zoom that comes with your Televid.

	Televid HD Series				Televid APO Series			
	65mm		82mm		65mm		82mm	
Eyepiece	32x WW	20–60x	32x WW	20–60X	32x WW	25–50x WW	32x WW	25–50x WW
Eye Relief	20 mm	19 mm	20 mm	19 mm	20 mm	19 mm	20 mm	19 mm
Field of View (1000 Yards)	131'	112–65'	131'	112–65'	131'	134–92'	131'	134–92'
Close Focus	10.5'		12.8'		10.0'		12.8'	
Weight	38.8 oz		47.7 oz		38.8 oz		47.7 oz	
Length	10.9" Straight 11.8" Angled		12.2" Straight 12.8" Angled		10.9" Straight 11.8" Angled		12.2" Straight 12.8" Angled	

Leupold Spotting Scopes

Leupold's optics are founded on nearly 100 years of craftsmanship. Leupold full lifetime warranty.



Golden Ring 12–40x60 HD Kit has it all.
Includes HD scope, compact tripod, window mount, digital camera adapter, soft form-fitting case, and hard-side case.

Sequoia Spotting Scope Kit — So many options.
Includes a zoom eyepiece, compact tripod, soft carry case, reinforced protective case with foam padding and carrying handle. **Choose between 60mm or 80mm Sequoia with Straight or Angled eyepiece position.**

	Golden Ring	Sequoia	
	60mm	60mm	80mm
Eyepiece	12–40x	15–45x	20–60x
Eye Relief	30 mm	16.5–13 mm	19.9–15 mm
Field of View (1000 Yards)	168–57'	131–43'	99.6–32'
Close Focus	36'	30'	30'
Weight	37 oz	35.1 oz	43.8 oz
Length	12.4"	13.0"	~15.9"

1. Golden Ring 12–40x60 Spotting Scope — Impressive images with premium optics.

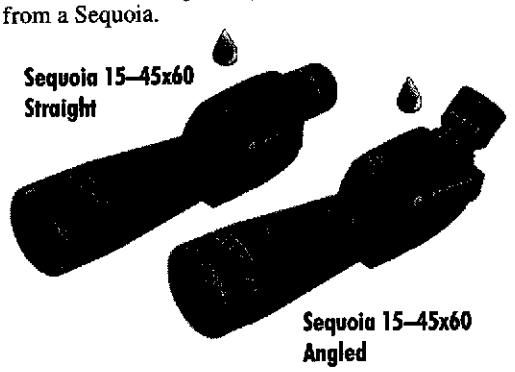
Just what you need for birding and outdoor recreation, the 60mm Golden Ring features Leupold's Multicoat 4 lens coatings and an anti-glare interior for exceptional brightness, clarity and color fidelity. Count on the Golden Ring HD (High Density) scope for enhanced image resolution. You'll enjoy 30mm of long eye relief throughout the entire 12–40x zoom range of either scope! But the Golden Ring spotting scope promises more than just fine optics! This scope is rugged and lightweight at only 37 ounces. The popular Golden Ring spotting scope now wears Leupold's signature deep brown armor—a rich color that works equally as well in the field for naturalists as hunters.

Golden Ring Spotting Scope Features:
Built-in 12–40x eyepiece, Multicoat 4 lens coating, eco-friendly fluoride-based objective lens, waterproof, magnesium housing, rubber armor, soft form-fitting view-through case. **Choose between Standard or HD glass.**

Golden Ring 12-40x60

2. Sequoia Green Ring Spotting Scopes — Triumphant in the wild.

The Sequoia 60mm spotting scope is for the naturalist braving bone-chilling altitudes as well as the birder scanning balmy beaches. Enjoy the sharp, clear, well-contrasted images you demand from a Sequoia.



Sequoia 15–45x60 Straight

Sequoia 15–45x60 Angled

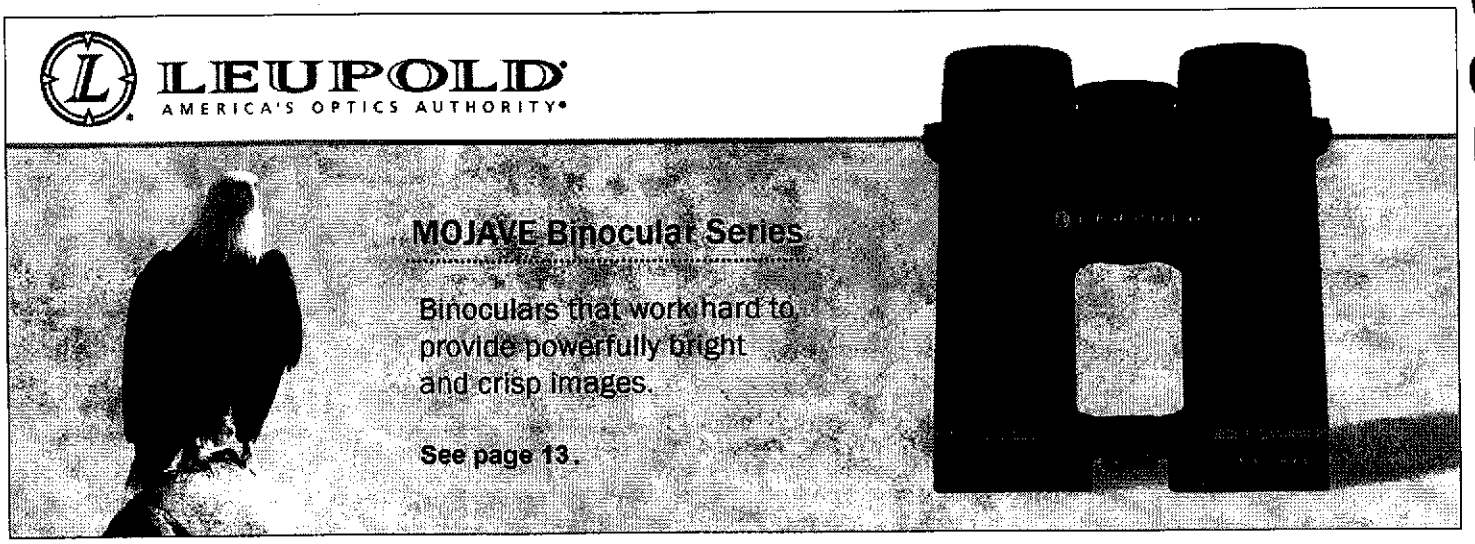
Sequoia 20-60x80 Straight

Sequoia 20-60x80 Angled

2A. Sequoia 15–45x60 Spotting Scope
This truly is a "take anywhere" spotting scope, ranging from 15x to 45x for outstanding details from near to far.

2B. Sequoia 20–60x80 Spotting Scope
The huge range of magnification is incredibly flexible and capable of delivering a bright, wide field of view as you zoom in on wildlife.

Sequoia Spotting Scope Features:
Built-in eyepiece, fully multi-coated, waterproof, rubber armor, twist-up eyecup, rotating tripod mount, objective and ocular lens covers, soft carry case. **Choose between Straight or Angled scope body positions.**



MEOPTA

Meopta Spotting Scopes

Meopta, manufacturing optics in Eastern Europe since 1933, melds the precision of old world craftsmanship with modern technology and materials. Meopta North American fully transferable limited warranty.

Choose apochromatic lenses for amazing images!
Step up to crystal clear images under the most difficult light conditions with the superb Meostar apochromatic (APO) spotting scope. The exotic objective lens element of this Meopta spotting scope successfully reduces secondary color aberration.

	Meostar S1 75 75mm	
Eyepiece	30x	20–60x
Eye Relief	15 mm	15 mm
Field of View (1000 Yards)	114'	93–48'
Close Focus	14'	14'
Weight	40.6 oz*	*APO models weigh 45.7 ounces and measure 14.4 inches.
Length	13.8"	

Meostar S1 S75 (S1 S75 APO) Straight 75mm

Meostar S1 A75 (S1 S75 APO) Angled 75mm

1. Meostar S1 75 Spotting Scope
The wilderness experience demands much from you, and from your spotting scope. Invest in Old World craftsmanship for fine performance. The 75mm objective lens gathers plenty of light for bright images throughout a versatile 20-60x zoom range. At just over 40 ounces, the aluminum alloy body is strong and makes the Meopta S1 75mm spotting scope a good choice. Waterproofing stands up to the challenges of rain, sleet and snow and a pebbled grip surface provides secure handling.

Meopta Meostar S1 75 Features:
Aluminum alloy body, waterproof, pebbled grip surface, objective and ocular lens covers. Works with the Vortex Small Universal Digital Camera Adapter. **Choose Straight or Angled scope body position, Standard or APO glass. Available Accessories:** 30x WA, 20-60x eyepieces.

CLEANING KITS

Cleaning Accessories

Want to keep your viewing at its best day after day, season after season? Take time for a little thing like cleaning the lenses—it'll make a big difference in how well you enjoy your optics! Get the help you need with one of these handy accessories.

1. Eagle Optics Lens Pen — Keeping lenses spotless!
No larger than a pocket pen, the Lens Pen is a total lens care system for any optics. Remove solid particles from the lens surface with the high quality natural brush. Retract the brush and gently clean the lens with the rounded chamois leather pad, treated with a non-liquid cleaning compound. The Lens Pen is a great choice for removing the most common lens surface contaminant—oily fingerprints.

2. Swarovski Binocular Lens Cleaning Kit — Keeping sights clear.
Keep your views unclouded—even when dust and dirt get kicked up on the trail. Swarovski's compact kit comes with a cleaning brush, moist cleaning cloths, a washable microfiber lens cloth, liquid cleaner, and a soft pouch that fits on a belt.

3. Vortex Fog Free Lens Cleaning Kit — Easy to pack and use.
Here's another way to keep lenses free of smudges for the best viewing. Kit includes the Vor-tek Microfiber cloth and Formula MC Anti-fog lens cleaner.

4. Vortex Fog Free Lens Cleaning System — All you need in one package!
Here's a no-worry way to care for your investments! Now you can carry everything you need for keeping lenses clean and clear in a complete rugged, weather-resistant package.

- **Ultra Brush:** Best for removing fine dirt and dust particles from lenses.
- **Vor-tek Microfiber Cloth:** Perfect for removing smudges and fingerprints. Scientifically-designed fibers wipe cleaner than any other type of cloth.
- **Formula MC Anti-fog Lens Cleaner:** Ideal for multi-coated lenses. Tested and approved by NASA.
- **Premium Grade Lens Cleaning Tissue:** Very soft and safe for all lenses (meeting Federal guidelines, NNN-P-40B).

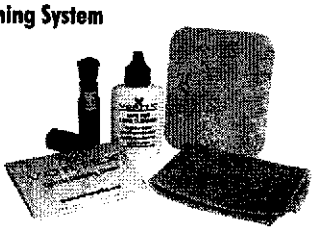
5. Zeiss Portable Lens Care System — For total lens care.
Count on Zeiss for fine optics and a handy kit to keep the lenses of your binoculars and spotting scopes in prime condition. An easy to carry soft belt pouch comes with a cleaning brush in its own compact case, 12 pre-moistened tissues, a microfiber lens cloth, and a spray bottle of lens cleaner.

1. Eagle Optics Lens Pen

2. Swarovski Lens Cleaning Kit

3. Vortex Fog Free Lens Cleaning Kit

4. Vortex Fog Free Lens Cleaning System



5. Zeiss Portable Lens Care System

Nikon Spotting Scopes

One of the world's foremost producers of fine optical glass, Nikon puts this experience to work in a variety of spotting scopes for the outdoors. Nikon 25-year limited warranty and Nikon No-Fault Repair/Replacement policy.

1. Fieldscope Spotting Scopes Series

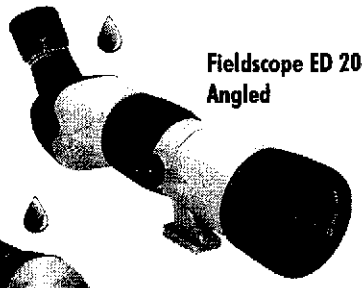
Nikon designs high quality eyepieces that deliver unbelievable colors and bright, high contrast images—ideal for close study of flora and fauna. These spotting scopes also make fine choices for digiscoping.

1A-B. 60mm Fieldscope III with ED Glass

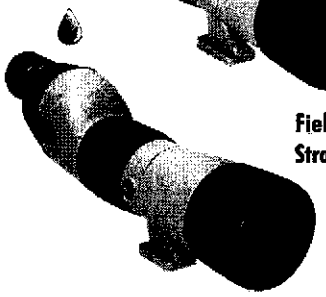
Nikon's 3rd generation of the 60mm Fieldscope brings you the same exceptional optical performance that birders, naturalists, and travelers have depended on for well over a decade—all in a wonderfully small package. You can step up in quality with Extra low Dispersion (ED) glass for sharper images at high magnifications, brighter views in low light, and memorable photos in any situation.

1C-D. 25–75x82 Fieldscope ED Spotting Scope

Nikon took the legendary optics of the Fieldscope III and worked them into the light-grasping 82mm Fieldscope—made for birders, naturalists and other outdoor enthusiasts. The result is an incredibly detailed study of nature. The premium glass of the Fieldscope ED virtually eliminates chromatic aberration and color-fringing. Improved resolution at high magnifications allows for amazing photographs when coupled with digital Nikon cameras



Fieldscope ED 20–60x60 Angled



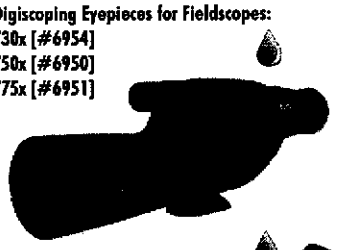
Fieldscope ED 20–60x60 Straight

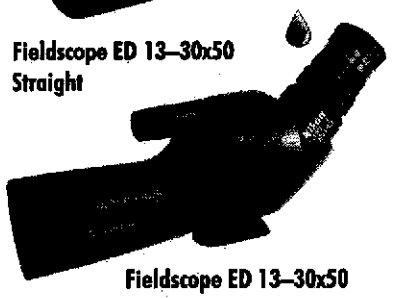
Fieldscope ED 25–75x82 Straight

Fieldscope ED 25–75x82 Angled

Fieldscope Digiscoping Accessories:
Nikon digital camera adapters, digital camera brackets, SLR/DSLR photo adapter, digiscoping eyepieces.

Available Digiscoping Eyepieces for Fieldscopes:
- 16x/24x/30x [#6954]
- 27x/40x/50x [#6950]
- 40x/60x/75x [#6951]





Fieldscope ED 13–30x50 Straight

Fieldscope ED 13–30x50 Angled

1E-F. 13–30x50 Fieldscope Spotting Scope Ideal for packing in the back country

Introducing the most compact and lightweight spotting scope in the Fieldscope series. Birders, naturalists, and back country travelers all agree—the 50mm ED Fieldscope brings you the same exceptional quality of the larger ED Fieldscopes.

Nikon 50mm Fieldscope Features:
Fully multi-coated, ED glass, waterproof, fog proof, green metal finish, objective lens cover, ocular lens cover, storage case. **Choose Straight or Angled scope body position.**

Nikon 60mm Fieldscope III and 82mm Fieldscope ED Features:
Fully multi-coated, premium glass, helical focus ring, waterproof, fog proof with nitrogen purging, retractable sunshade, green metal finish, objective lens cover, bayonet mount cover, view-through protective case. **Choose Straight or Angled scope body position (60mm with standard or ED glass).**

2. Prostaff Spotting Scope Series

The ProStaff spotting scope is an excellent choice for any outdoor enthusiast. No weather is too harsh, no terrain too rough for venturing out in when you carry the Prostaff spotting scope.

2A. Prostaff 20–60x82 Spotting Scope

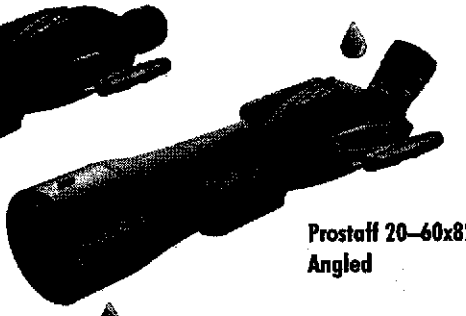
The ProStaff spotting scope easily crosses wide-open ranges with the power of a 20-60x zoom eyepiece. No matter where you roam, the light-grasping 82mm ProStaff delivers bright details at any time of the day

2B. Prostaff 16–48x65 Spotting Scope

The 16-48x zoom range sets you up with fine details at a most reasonable price. More compact than the 82mm model, the 65mm ProStaff spotter is every bit as tough—an ideal size for carrying.

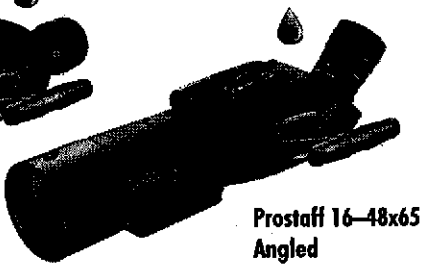
Nikon 65mm and 82mm Prostaff Features:
Zoom eyepiece, multi-coated optics, waterproof, fog proof, rubber armored, retractable sunshade, objective lens cover, ocular lens cover, view-through case. **Choose Straight or Angled scope body position. Black/Dark Green or Realtree Hardwoods camo.**

Prostaff 20–60x82 Straight



Prostaff 20–60x82 Angled

Prostaff 16–48x65 Straight



Prostaff 16–48x65 Angled

*Weight for angled body with zoom.	Fieldscope ED Series 50mm	60mm	82mm	Prostaff Series 65mm	82mm
Eyepiece	13–30x	20–60x	25–75x	16–48x	20–60X
Eye Relief	12.9 mm	14.1 mm	14.1 mm	15-13.6 mm	15-13.6 mm
Field of View (1000 Yards)	157.5'	105'	84'	126-62'	99-49.9'
Eyepiece Item-#	#7466	#7467	#7467	#8323	#8323
Close Focus	9.8'	16.4'	16.4'	13.1'	20.0'
Weight	21.9 oz*	47.3 oz*	64.2 oz*	32.8 oz	43.2 oz
Length	8.1"	11.0"	12.9"	11.5"	15.0"

Prostaff 65mm and 82mm Straight Spotting Scope Outfits
Outfit includes a black spotting scope body, zoom eyepiece and a full-size tripod. **Realtree Hardwoods Green Camo Outfit also includes a car window mount.**

Prostaff Digiscoping Eyepieces:
- 20x/25x [#8338]
- 16-48x/20-60x [#8339]

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PENTAX SPOTTING SCOPES

Pentax Spotting Scopes

As a leading manufacturer of sports optics, Pentax designs high performance spotting scopes for a wide variety of situations. Pentax limited lifetime warranty

1. Pentax PF-80 ED Spotting Scopes — Designed for the most naturally colored views
The PF-80 ED is a world-class viewing instrument—a scope designed for outstanding resolution from sunup to sundown. Its glass elements ensure a sharp, high-contrast image.

PF-80 ED with 21–63x Zoom Straight

PF-80 ED with 21–63x Zoom Angled

- **Extra-low Dispersion (ED) glass with Lanthanum Crown (rare earth) glass provides optimum optical resolution.**
- **Super multi-coating maximizes light transmission, clarity and contrast.**
- **Larger 80mm objective lenses provides bright viewing under all light conditions.**

Even in dim light and shadowy thickets where birds and wildlife dwell, the Pentax PF-80 ED brings clear definition to your subject. View more clearly at any time of day!

PF-65 ED II with 20–60x Zoom Straight

PF-65 ED II with 20–60x Zoom Angled

PF-63 with 20–50x Zoom Straight

2. PF-65 ED II Spotting Scopes
The Pentax 65mm ED II spotting scope features a redesigned internal optical system that brings you crisp images and a flat field at any magnification. Like the PF-80 ED, this ED spotting scope delivers the same outstanding resolution and dynamic viewing of wildlife.

Pentax PF-65 ED II and PF-80 ED Spotting Scope Features:
Fully multi-coated, ED glass, Lanthanum Crown (rare earth) glass elements, accepts all standard 1 1/4-inch interchangeable telescope eyepieces, waterproof, nitrogen-filled, retractable sunshade, soft field case. Work with the Vortex Large Universal Digital Adapter. **Choose Straight or Angled scope body position.**

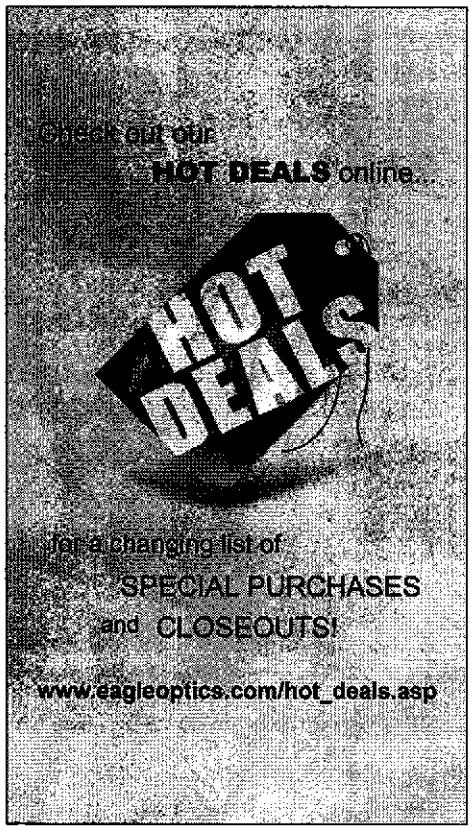
3. PF-63 Straight Spotting Scope with Zoom
The PF-63 Zoom scope offers backpackers and avid travelers a lightweight option. Pentax includes a bright 20–50x eyepiece at a very affordable price. Weighing little more than many binoculars, you'll be thrilled with how close you can move in on wildlife. Yet the PF-63 has a rugged body and tight seals for adventures in rain or snow without a concern for the optics. The side focus knob is easily adjusted at a moment's notice.

Pentax PF 63 Straight Spotting Scope Package Features:
Fully multi-coated, waterproof, nitrogen-filled, eyepiece cover, objective lens cover, retractable sunshade, soft view-through case.

The Pentax Premium Eyepieces
Quality guaranteed! Pentax XW and SMC eyepieces are renowned for sharpness, field of view, contrast, and freedom from aberration. All of the fixed eyepieces have wider fields of view, 20mm of eye relief, and focus down to as close as 19 feet. These high-performance eyepieces (sold separately) were made to impress:

- **Fully multi-coated lenses increase light transmission and color quality.**
- **High-refraction low dispersion glass elements deliver bright, highly resolved images.**
- **Weatherproof construction for durability.**

The PF-65 ED II and PF-80 ED spotting scopes are sold without interchangeable eyepieces, or as packages with a zoom eyepiece.



	PF-80 ED Scope 80mm				PF-65 ED II Scope 65mm				PF-63 63mm
Eyepiece Item#	SMC Zoom Package	#XW20	#XW14	#XW10	XF Zoom Package	#XW20	#XW14	#XW10	
Eyepiece	21–63x	27x	37x	52x	20–60x	19.5x	28x	39x	20–50x
Eye Relief	22–18 mm	20 mm	20 mm	20 mm	11–15 mm	20 mm	20 mm	20 mm	22–17 mm
Field of View (1000 Yards)	93–49.5'	135'	99'	72'	117–51'	183'	132'	93'	84–48'
Close Focus	19'				16.4'				39.4'
Weight	56.4 oz*	*Straight scope magnifies from 20–60x, is 15.6" long and weighs 49.4 oz.			37.7 oz*	*Straight scope weighs 37.0 oz.			29.6 oz
Length	16.3"*				10.6"				12.9"

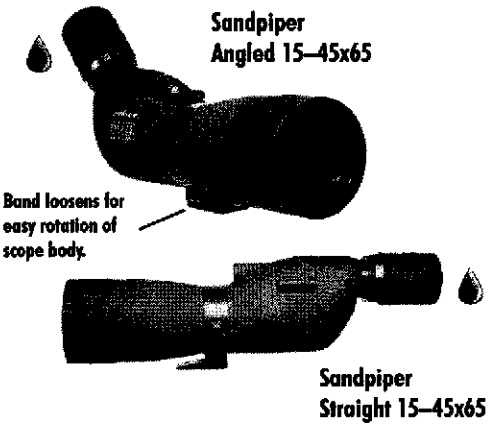
Stokes Birding Series

The Stokes Birding Series spotting scopes were developed by Vortex for Don and Lillian Stokes, "America's first family of birding". Don and Lillian have been the most trusted authorities and educators of birding information for more than 25 years. Vortex VIP transferable warranty.

1. Stokes 15–45x65 Sandpiper — A Rugged, Portable Scope by Vortex

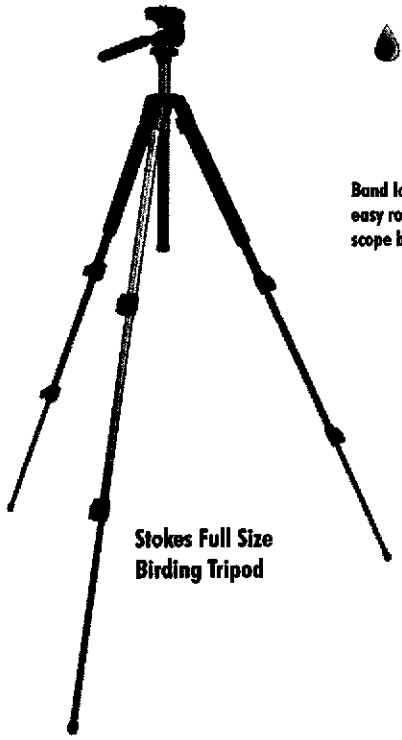
Enter the world of birding with exceptional optics and a high level of ruggedness. Distinctive broadband coatings reduce surface reflections for crisp, bright images. The 65mm objective of the Sandpiper keeps a hand on portability while pulling in extra light for brighter views throughout the versatile 15–45x zoom range.

Stokes 15–45x65 Sandpiper Features:
15-45x zoom eyepiece, fully multi-coated Broadband coatings, retractable eyecups, waterproof, fog proof with nitrogen purging, rotating tripod mounting collar, ocular and objective lens covers, soft view-through case. Digiscope using the Vortex Large Digital Camera Adapter. **Choose between Straight or Angled scope body position.**



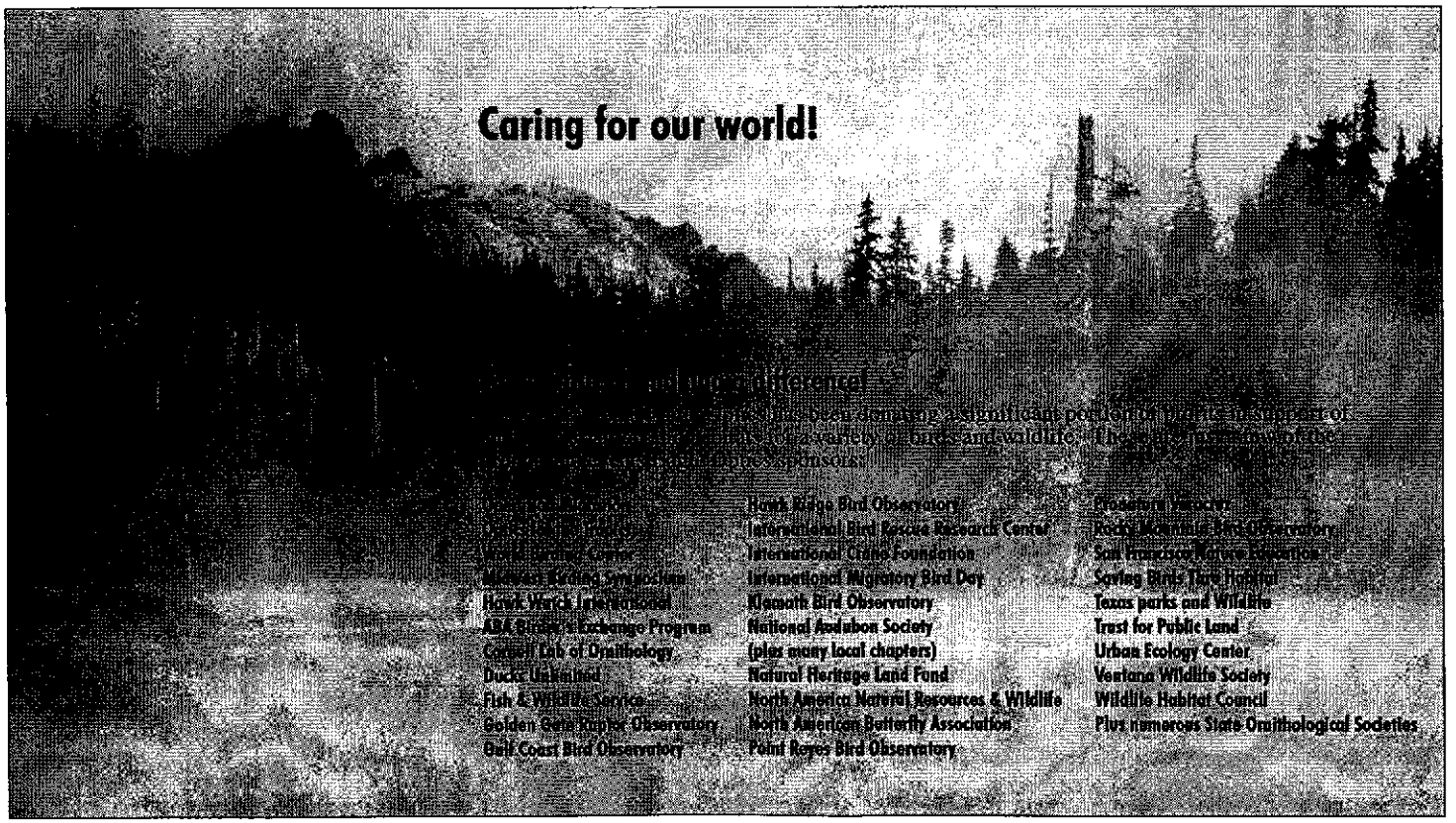
	Sandpiper 65mm
Eyepiece	15–45x
Eye Relief	18 mm
Field of View (1000 Yards)	144–67'
Close Focus	25'
Weight	38.0 oz
Length	14.4"

	Birding Tripod
Maximum Height	64"
Minimum Height	29"
Maximum Load	9 pounds
Folded Height	24"
Folded Width	4.5"
Weight	5.5 pounds
Leg Sections	3
Multiple Leg Angles	Yes



2. Stokes Birding Series Tripod

Count on the lightweight yet sturdy Stokes Birding Series tripod for quick action in the field. Smooth operation is an important consideration when choosing a tripod. That's why the Stokes full-size tripod is such a treat to use and responds to your need to pack up fast and move along the trail. Control the tripod with a 3-way fluid motion panhead that makes following wildlife so much easier. When you want to switch equipment, a quick-release plate makes changes a snap.



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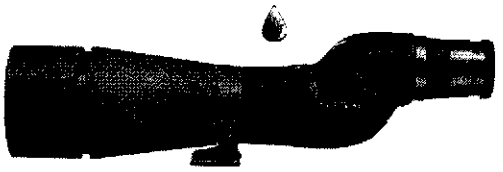
Swarovski Spotting Scopes

For over 100 years, the motto of founder Daniel Swarovski, "constantly improving what is good", has guided this family-run company. This includes their commitment to protecting the environment. Swarovski limited lifetime warranty.

1. Swarovski 80mm Spotting Scopes
Light, bright, and easy to focus

The ATS 80 and STS 80 spotting scopes set a high standard. Thanks to a recalculated optical system, these scopes offer precise details, optimum edge-to-edge sharpness, true color fidelity, and an extremely wide field of view.

The Swarovski HD Advantage.
How do you improve on superior scopes? Choose the HD model. Even the slightest chromatic aberration is drastically lowered with the High Definition (HD) glass used in the objective lens. Pair this with a well-engineered optical system and you have superb, highly contrasted images that border on perfection.



STS 80 (STS 80 HD)
Straight 80mm

STS 65 (STS 65 HD)
Straight 65mm

ATS 80 (ATS 80 HD)
Angled 80mm

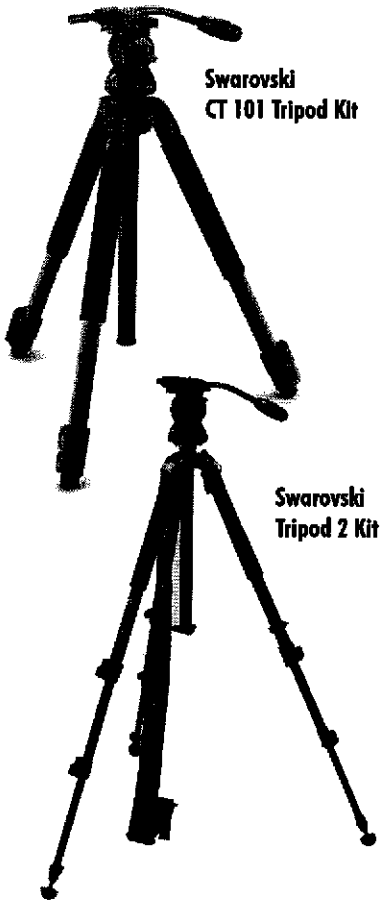
ATS 65 (ATS 65 HD)
Angled 65mm

★ New lens coating system makes keeping lenses clean easier than ever.

2. Swarovski 65mm Spotting Scopes

Renowned for rivaling the optical quality in a small package, these compact scopes are perfect for following woodland species as well as shorebirds and raptors. Swarovski's premium scopes perform admirably due to expertly cut and polished glass elements and patented coatings. Take advantage of close focusing at only ten feet. Light and easy to handle, the 65mm scopes are ideal for days when you'll be moving around a lot!

Swarovski 65mm and 80mm ATS and STS Features:
Retractable sunshade, aluminum housing, rubber armor, waterproof, fog proof with nitrogen purging, internal focus, helical focus ring, objective lens and bayonet mount cover. Angled models have a rotating body allows you to adjust your viewing position. **Choose between Straight or Angled scope body positions with Standard or HD glass. Interchangeable bayonet eyepieces sold separately and are available as listed.**
Available Accessories: Swarovski digital camera adapter and ring, Swarovski SLR/DSLR photo adapter.



Swarovski
CT 101 Tripod Kit

Swarovski
Tripod 2 Kit

Swarovski Tripod 2 Features:
Dacromat anti-rust leg clamp bolts, padded upper leg sections, extended length center column, reversible rubber/metal spike feet, shoulder carry strap.

3. Swarovski CT101 Tripod Kit
Pick up and go — anywhere!

All the strength is wrapped up in this lightweight, sturdy tripod. Just right for long hikes and tough climbs, Swarovski sets you up with a stable tripod that won't weigh you down. The smooth action of the FH 101 tripod head is a favorite in the field. The 2-stage tripod legs and flip-up leg clamps adjust fast and silently to uneven terrain.

- **Unbreakable, lightweight carbon fiber legs.**
- **High-strength magnesium tripod body.**
- **Sturdy synthetic components are shock-absorbent.**
- **Durable metal components are of corrosion-resistant steel or anodized aircraft-grade aluminum.**

Look at the padded upper legs of the CT101 tripod. Swarovski planned for extra carrying comfort—something you'll really appreciate at the end of a long day in the field.

Swarovski
FH 101 Tripod Head

4. Swarovski Tripod 2 Kit

Looking for a solid tripod for your ATS or STS spotting scope? Swarovski's Tripod 2 kit with the FH 101 tripod head is the perfect choice. Built strong for dependable field use, this is a tripod you are sure to love.

5. Swarovski FH 101 Head

Manage the locking pan and tilt controls with just one hand. Easy access to all elements gains valuable time when observing nature or taking photographs.

	Swarovski ATS/STS 65mm				Swarovski ATS/STS 80mm			
Eyepiece	20x	30xWA	45xWA	20–60x	20x	30xWA	45xWA	20–60x
Eye Relief	17 mm	20 mm	18 mm	17 mm	17 mm	20 mm	18 mm	17 mm
Field of View (1000 Yards)	180'	126'	84'	108–60'	180'	126'	84'	108–60'
Close Focus	10'				16'			
Weight	38.8 oz* (39.9 oz* for HD)				45.9 oz* (47.2 oz* for HD)			
Length	12.8"				14"			

*Weight listed for angled body.

	Swarovski CT101	Swarovski Tripod 2
Maximum Height	70.9"	62.3"
Minimum Height	16.1"	20.5"
Maximum Load	TBD	11 pounds
Folded Height	27.5"	26.6"
Folded Width	4.4"	4.5"
Weight	4.4 pounds	6.0 pounds
Leg Sections	2	3
Multiple Leg Angles	Yes	Yes

Vortex Spotting Scopes

Discover the great value of rugged spotting scopes for the outdoors. Completely covered by the Vortex VIP warranty — unlimited, unconditional, and fully transferable.

1. Skyline 80mm Spotting Scope

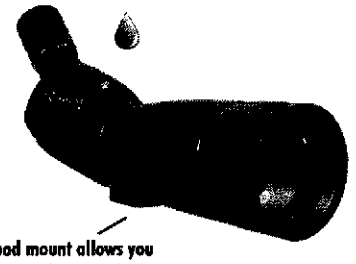
Exceptional viewing only gets better!

If you're a wildlife watcher, the Skyline spotting scope lets you see the whole scene at 20x before zooming in on fine details at 60x. The Skyline puts long-distance views within your reach. Designed for comfort, the twist-down eyecup allows for pleasing, full fields while wearing eyeglasses.

The Skyline ED delivers vivid colors and high resolution in the grey light of early dawn, rewarding you with bright, sharply defined details of shorebirds feeding on far-off mudflats.

- **Extra-low dispersion glass for bright, color-correct and sharply-defined images from 20–60x.**
- **Distinctive Broadband coatings reduce surface reflections for the most impressive images at high magnifications.**
- **Fully multi-coated optics increase the amount of light passing through the scope for brighter, more detailed views.**

Vortex 20–60x80 Skyline and Skyline ED Features:
20–60x eyepiece, 80mm spotting scope (with or without ED glass), fully multi-coated with the Broadband coatings, waterproof, O-ring seals, retractable eyecups, nitrogen purged, rubber armor, ocular and objective lens covers, view-through carry case. **Choose between Straight or Angled scope body position.**



Tripod mount allows you to rotate the scope body.

Skyline ED
Angled 20–60x80

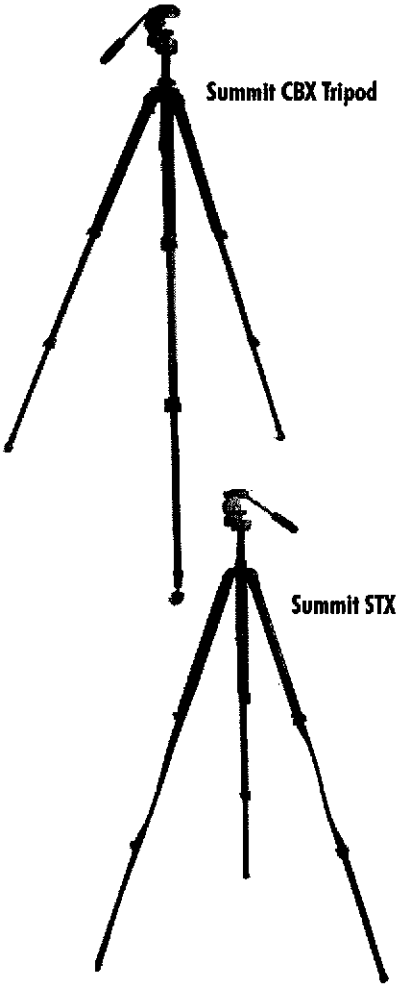
Extra-low dispersion glass!

Skyline ED
Straight 20–60x80

Skyline with Tripod
Tabletop tripod included with both the straight and angled Skyline spotting scopes (non-ED models)

2. The Summit Tripod Series

With retractable spiked feet, Summit tripods stay put on any surface—whether you are in a marsh or on an outcrop of granite. The head of the Summit tripod is built tough for rugged wear and smooth operation. In addition, the locking mechanism keeps the scope secure while giving you the ability to swap out equipment in a hurry when it's time for photography and digiscoping.



Summit CBX Tripod

Summit STX Tripod

2A. Summit CBX Carbon Fiber Tripod
Rock solid support starts with the latest in carbon-fiber technology. The Summit CBX tripod is light in weight, yet tough and durable. Designed for strength and stability, the CBX tripod is ideal for securely mounting larger binoculars and spotting scopes.

2B. Summit STX Tripod
The field-friendly features of the Summit STX will adapt easily to any situation. Built of sturdy metal, the STX is a reliable mount for larger spotting scopes, binoculars, and digiscoping equipment.

Summit Tripod Features:

- **Pan-tilt head with quick-release plate.**
- **Quick-action lever locks flip up easily.**
- **Variable leg angle adjustments.**
- **Locking collar secures center column adjustments.**
- **Foam leg wraps provide a comfortable carry and good surface grip in cold weather.**
- **Rubber feet stand sure-footed on slick surfaces.**
- **Deluxe soft carry case with pockets.**

	Skyline 80mm
Eyepiece	20–60x
Eye Relief	19–18mm
Field of View (1000 Yards)	113–55'
Close Focus	26'
Weight	68.0 oz*
Length	17.7"

*Weight for angled ED.

	Summit Series CBX	Summit Series STX
Maximum Height	68.5"	70.5"
Minimum Height	28.5"	19.5"
Maximum Load	11 pounds	11 pounds
Folded Height	31.7"	30.5"
Folded Width	4.0"	4.2"
Weight	6.2 pounds	6.9 pounds
Leg Sections	3	3
Multiple Leg Angles	Yes	Yes

MK 1 Digital Camera Adapter

Taking home prized shots!

The unique quick-release feature of the MK 1™ provides a hassle-free way to digiscope with a Skyline spotting scope and point-and-shoot digital camera. By following the steps below, you'll be set for digiscoping whenever you need the extra magnification of your Skyline spotting scope for that prized shot.

1. Remove the eyepiece and attach MK 1 T-ring to the spotting scope. Replace the eyepiece.

2. Slip MK 1 adapter tube over the eyepiece and thread onto the MK 1 T-ring.

3. Secure your point-and-shoot digital camera to the MK 1 digital camera base.

Switching between observation and photography is easy with the MK 1! The T-ring and adapter tube stay on your spotting scope. When you're ready to digiscope, attach the camera base and tighten the thumb screw.

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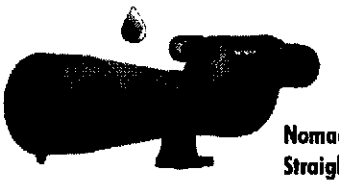
3. Nomad 20–60x60 — Made for high adventure.

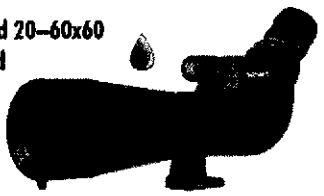
Solid construction is the basis for a lifetime of enjoying the great outdoors. The Nomad spotting scope is portable, has a rugged polycarbonate body, and a durable rubber armor. Tight seals guarantee a fully waterproof, internally fog proof scope you can depend on in the harshest of environments. Now you can take in awe-inspiring views without breaking your back ... or your budget!



Nomad 20–60x60 Straight

Vortex 20-60x60 Nomad Features:
20-60x eyepiece, fully multi-coated, BaK-4 prisms, multi-stop eyecups, waterproof, fog proof with nitrogen purging, rugged polycarbonate housing, rubber armor, and view-through carry case. Uses the Vortex Small Universal Digital Camera Adapter for digiscoping.
Choose between Straight or Angled scope body position.

Nomad 20–60x60 Angled

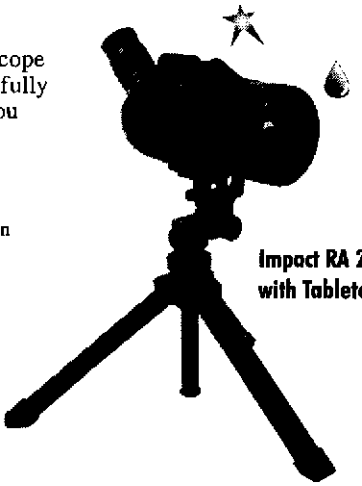


Band loosens for easy rotation of scope body.

View-through Case
Included with all Skyline and Nomad spotting scopes.

4. New Impact 25–75x70 Spotting Scope

The Impact spotting scope—now armored and even more rugged—will impress you with high contrast, crisp details, and true colors throughout its zoom range. Waterproof, and fog proof, the Impact masters the elements. Because it weighs less than many binoculars, you will not hesitate to carry this scope on any adventure.

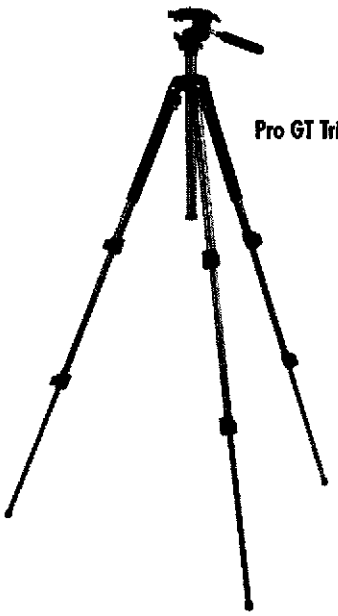


Impact RA 25-75x70 with Tabletop Tripod

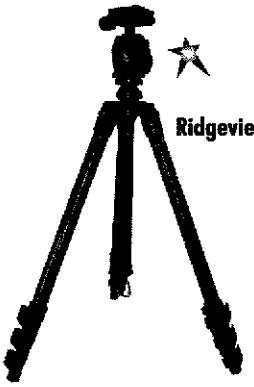
Vortex 25–75x70 Impact Features:
Fully multi-coated, broadband coatings, waterproof, fogproof with nitrogen purging, rubber armor, rugged polycarbonate housing, micro-adjustable tabletop tripod, and deluxe padded carry case. Works with the Vortex Small Universal Digital Camera Adapter for digiscoping.

5. New Vortex Back Country Tripods—Value and performance.

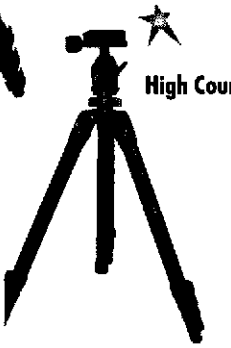
New for 2008, these full-sized tripods provide more options when you need solid support for spotting scopes, binoculars or camera equipment.



Pro GT Tripod



Ridgeview Tripod



High Country Tripod

Shooting Stand

5A. Ridgeview Tripod
Here's a full-featured tripod for back-country travelers. Light and compact enough to carry anywhere, the Ridgeview provides steady, unfailing support at high magnifications when watching wildlife.

5B. High Country Tripod
Smaller, lighter and more compact than the Ridgeview, the High Country tripod is a great choice when every ounce counts.

Back Country Tripod Features:

- **Ball head with quick-release plate.**
- **Quick-action lever locks flip up easily.**
- **Variable leg angle adjustments.**
- **Rubber feet for a solid stand.**
- **Locking collar mechanism for center column height adjustments.**

6. Pro GT Tripod
Surprisingly affordable, the Pro GT provides solid support for spotting scopes. This tripod is an ideal choice if you're on a tight budget or just need a reliable back-up tripod for your travels.

7. Shooting Stand
Are you counting ounces? Pack this handy table-top tripod on your next trip—it weighs less than two pounds! Enjoy steady viewing afforded by the micro-adjustable dials.

	Nomad 60mm	Impact 70mm
Eyepiece	20–60x	25–75x
Eye Relief	17–14 mm	18–15mm
Field of View (1000 Yards)	114–51'	89–47'
Close Focus	20'	33'
Weight	36.1 oz	37.4 oz
Length	13.2"* *Straight Length is 14.0"	10.2"

	Back Country Tripods Ridgeview	Back Country Tripods High Country	Pro GT	Shooting Stand
Maximum Height	60.9"	53.8"	63.0"	13.3"
Minimum Height	35.5"	14.8"	23.0"	10.8"
Maximum Load	8.0 pounds	5.0 pounds	9.0 pounds	5.0 pounds
Folded Height	23.0"	18.8"	24.5"	13.3"
Folded Width	3.5"	3.5"	4.5"	4.8"
Weight	3.6 pounds	2.1 pounds	5.8 pounds	1.5 pounds
Leg Sections	4	5	3	1
Multiple Leg Angles	Yes	Yes	Yes	No

Zeiss Spotting Scopes

An optical pioneer since 1846, Zeiss optics continues responding to the needs of the most sophisticated user. Zeiss limited lifetime transferable warranty.

Zeiss Diascopes
Extreme optical quality

The outstanding image quality of a Zeiss Diascope is provided by an Advanced Optical System (AOS), extra-low dispersion fluoride (FL) glass and proprietary T* multi-layer coatings.

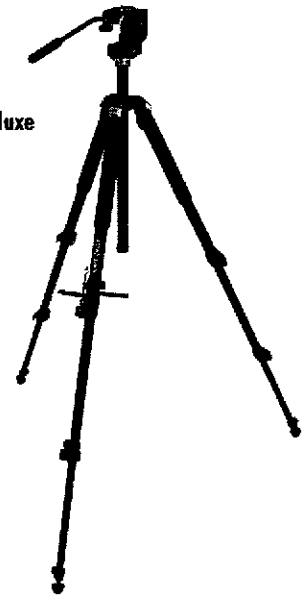
Superior glass materials are free of lead and arsenic and use Zeiss' state-of-the-art lens technology. The Diascope objective lenses feature Superachromatic properties and thanks to high light transmission, images are extremely bright. The result? You can count on extended viewing at dawn and dusk.

Now with Zeiss LotuTec™ protection.
You've watched raindrops, dust, and fingerprints interfere with viewing. Zeiss essentially wipes away these problems with the LotuTec™ coating.

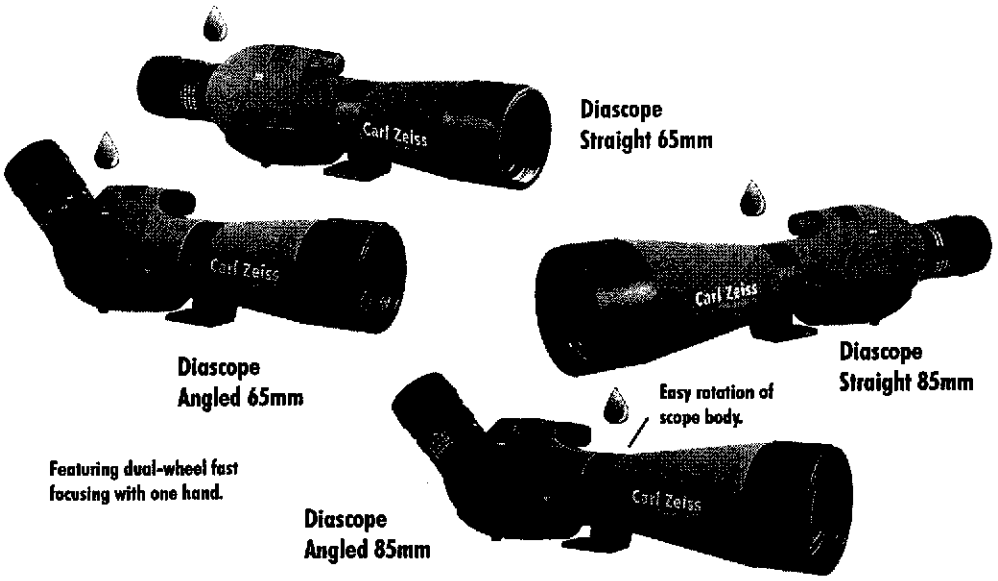
DC4 Digital Camera Eyepiece

View at 30x (65mm) or 40x (85mm) and digiscope at a focal length of 1,120 (65mm) or 1,460 (85mm).

Mounts in place of a standard eyepiece.



Zeiss Deluxe Tripod



Diascope Straight 65mm

Diascope Angled 65mm

Diascope Straight 85mm

Easy rotation of scope body.

Featuring dual-wheel fast focusing with one hand.

Diascope Angled 85mm

1. Zeiss Diascope Spotting Scopes — Premium views in tough territory

If you need precision optics, Zeiss delivers. The Diascopes offer excellent detail resolution over long distances—undoubtedly the most important function of a spotting scope. At the other extreme, you can immerse yourself in fascinating details just over 16 feet away.

The rugged, robust casing of the Diascopes is made of a light, corrosion-resistant metal alloy that is tightly sealed for confident viewing on safari or in a tropical rainforest. Guaranteed to function perfectly at temperatures between –2° and +131° Fahrenheit.

1A. Diascope 65mm Spotting Scope

Is your destination the mountain summit? A remote trail? If so, you'll be thrilled with the 65mm Diascope! This compact spotting scope is tailor-made for hikers, backpackers, birders and hunters.

1B. Diascope 85mm Spotting Scope

Can a light-grasping 85mm spotting scope be portable? Absolutely! The Zeiss Advanced Optical System (AOS) makes this large spotting scope relatively compact and lightweight (little more than 13 inches and just over three pounds). The Zeiss Diascope 85 T* FL really is in a class of its own.

Zeiss 65mm and 85mm Diascope Features:
Superachromatic objective lenses (85mm/5-elements, 65mm/4-elements), T* multi-coated, waterproof, fog proof with nitrogen purging, LotuTec protective coating, metal alloy housing, fine and course focus knob, retractable sunshade, non-slip rubber grip area, rapid sighting aid, objective lens and eyepiece receptacle covers.
Choose between Straight or Angled scope body positions in a Silver or Green finish.

2. Diascope Digital Camera Eyepiece

Take nature observation to a whole new level with the DC4, a Diascope eyepiece. Mounted directly to the Diascope without an adapter, the DC4 lets you observe through the eyepiece and digitally photograph what you see by pushing a remote control button. This piece is shockproof, impact resistant, sealed against water spray, and solidly armored with rubber

Zeiss DC4 Digital Camera Eyepiece Features:
4 megapixel camera, 1460mm focal lens, 2-inch display, bayonet-type connection, rubber armored, sealed against water spray, high performance polyamide body, USB/Video/Network connection, 128 MB SD memory card, IR receiver for remote control, ACDSee™ 8.1 Photo-Manager software.

3. Zeiss Deluxe Tripod

This deluxe tripod has all the features for stability in any terrain. It is an ideal support for scopes or binoculars.

Zeiss Tripod Features:
Fluid pan/tilt head, retractable spiked feet, padded legs, quick lever locks, quick release mount.

4. New Zeiss Quick Camera Adapter II

This new adapter lets you securely connect any Zeiss Diascope spotting scope to a variety of digital camcorders, digital and single-reflex cameras.

Other Available Accessories:
View-through protective jacket, Zeiss digital camera bracket and SLR/DSLR photo adapter.

	Diascope Series 65mm			Diascope Series 85mm		
Eyepiece	23xWA	30xWA	15–45X	30xWA	40xWA	20–60X
Eye Relief	18.5 mm	18 mm	16 mm	18.5 mm	18 mm	16 mm
Field of View (1000 Yards)	156'	120'	168–78'	120'	90'	129–60'
Close Focus	13.1'			16.3'		
Weight	38.8 oz			51.2 oz		
Length	11.8"			13.6"		

*Eyepieces sold separately.

	Zeiss Deluxe
Maximum Height	74.8"
Minimum Height	3.2"
Maximum Load	13.3 pounds
Folded Height	29.5"
Folded Width	5.0"
Weight	7.9 pounds
Leg Sections	3
Multiple Leg Angles	Yes

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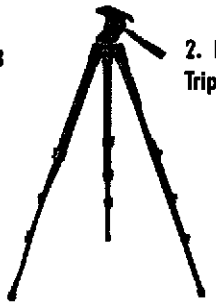
BOGEN · MANFROTTO

Bogen / Manfrotto Tripods

Bogen brings you a wide variety of lightweight tripod legs that provide the stability you need for your spotting scope or digiscoping. The kits combine some of bogen's most popular legs and heads for use in any situation. Two-year limited warranty—plus three more years with online product registry.

1. 128RC/190XB Tripod Kit


2. Bogen 728B Digi Tripod Kit

3A. 190 MF3 Mag Fiber Legs

3B. 055 MF3 Mag Fiber Legs

5. 128 RC Head

6. 700 RC2 Head

4. 055 XB Legs

7. Car Window Mount Set

1. Bogen 128RC /190XB Tripod Kit
Bogen pairs up the 128RC, a lightweight flui head using a pan bar, with the 190 XB tripod legs for easy use in the field. Count on smooth fluid movement while panning, and dependable viewing once pan and tilt locks are set. This tripod head also features a quick release camera plate with secondary security—excellent for supporting a variety of spotting scopes, binoculars and camera equipment.

Bogen's 190XB tripod is a lighter, slightly more compact version of the 3001 tripod. The sturdy aluminum 190XB provides solid support as you view wildlife in bad weather conditions and on uneven terrain.

2. Bogen 728B Digi Tripod Kit
The lightest and most compact of the Bogen tripods, the 728B has a 3-faceted center column, a pan-tilt style head, and quick-action leg locks. The kit includes the 390RC2 quick release head and a soft carry bag.

3. Bogen 190MF3 and 055MF3 Mag Fiber Tripod Legs
Carbon fiber legs reduce the weight of the MF3 tripods without compromising on the stability. The quick-action lever locks are assembled using a proven pressure clamp technology for durability.

4. Bogen 055 XB Tripod Legs (Formerly the 3021)
The aluminum 055 XB is strong and versatile—made for supporting cameras, spotting scopes, and binoculars.

5. Bogen 128RC Micro Fluid Head (Formerly the 3130)
This head's quick release plate features a set pin to prevent loosening of most scopes. It also has a safety catch to guard against accidental release. Weighs 1.9 pounds and is 4.6" tall.

6. Bogen 700RC2 Mini Video Head
This head supports digital video equipment and cameras. The fixed-length pan bar and separate locking mechanisms allow for a 360° pan and +90°/-75° tilt. This head features a quick release plate and weighs 1.1 pounds.

7. Bogen Car Window Mount Set
The compact 390RC2 Junior head is ideal for mounting scopes on car windows. The long handle easily adjusts and locks in place. Combined with Bogen's window pod/clamp, this set is just the right size for viewing from a vehicle.

Features of the 390RC2 Junior Head
11 pound load capacity, weighs 1.6 pounds, 4" height, quick-release.

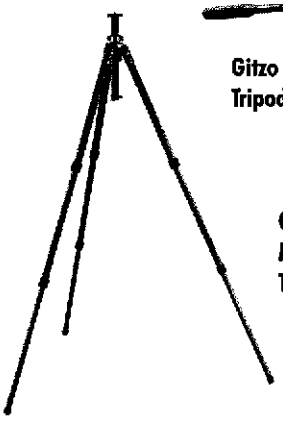
Features of the 3243 Pod/Clamp (Formerly the 3292)
Teflon pads clamp on window, weighs 5 ounces. Compatible with other Bogen/Manfrotto tripod heads.

GITZO

1A-B. Gitzo Mountaineer Tripod Legs
Looking for a solid, lightweight tripod? The Gitzo Mountaineer tripod is strong with a unique structure using six crossed layers to maximize rigidity and vibration absorption. **Available with three (#2530) or four (#2540) leg sections.**

2. Gitzo G2180 Tripod Head
If you're looking for the perfect tripod head, the G2280 is for you. This head is made of a lightweight techno polymer that is 30 percent lighter than magnesium and every bit as strong. It also offers good vibration dampening and a sophisticated counter-balance system. This is an ideal support for medium-sized spotting scopes and digiscoping arrangements.

Gitzo G2180 Tripod Head


Gitzo 4-Section Mountaineer Tripod Legs

	Bogen Tripod Kits		Bogen Tripod Legs			Gitzo Mountaineer Legs	
	128RC/190XB	728B Digi	190MF3	055MF3	055 XB	2530	2540
Maximum Height	61.6"	64.8"	56"	66.5"	70.1"	63.4"	61.4"
Minimum Height	7.7"	19.1"	4.3"	4.3"	2.8"	13.0"	11.4"
Maximum Load	11.0 pounds	7.7 pounds	8.8 pounds	15.4 pounds	15.4 pounds	26.4 pounds	26.4 pounds
Folded Height	25.3"	20.3"	22.0"	25.2"	24.0"	25.6"	22.0"
Folded Width	4.5"	5.0"	4.5"	4.5"	5.0"	3.9"	3.9"
Weight	6.2 pounds	3.9 pounds	3.5 pounds	4.4 pounds	5.1 pounds	3.1 pounds	3.1 pounds
Leg Sections	3	4	3	3	3	3	4
Multiple Leg Angles	Yes	No	Yes	Yes	Yes	Yes	Yes

Do more with digiscoping!

Digiscoping is a unique kind of photography using a digital camera and a spotting scope. Now you can expand your ability to photograph the wonders of nature by putting your digital camera to work.

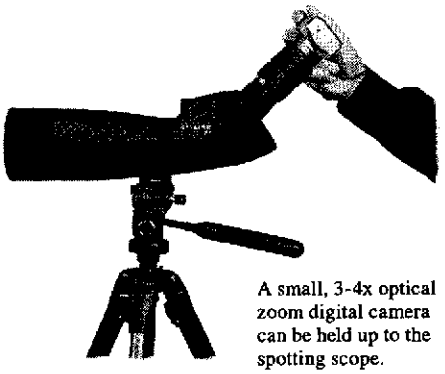
If you plan to invest in a spotting scope for digiscoping, the best results will come from high quality optical systems featuring High Definition (HD), Extra-low Dispersion (ED), Apochromatic (APO) glass, or Fluoride elements. Some of the more popular brands include Kowa, Leica, Swarovski, and Zeiss—but nearly any spotting scope can be used for this exciting hobby.

What do you *really* need for digiscoping?

Many people are excited by the incredible images they capture by simply holding their point-and-shoot digital camera up to the eyepiece of a spotting scope. Digital cameras that work well for digiscoping have a 3-4x optical zoom and compact bodies.

Enjoy greater rewards

At Eagle Optics we can help you choose a digital camera and the adapters required for digiscoping. please call us for digiscoping advice.



A small, 3-4x optical zoom digital camera can be held up to the spotting scope.

Questions about Digiscoping?

Call Eagle Optics at 1-800-289-1132 today!

Proprietary Camera Adapters and Brackets

Spotting Scope	Digital Camera Adapter	Digital Camera Bracket Adapter	SLR/DSLR Photo Adapter
Kowa 66 mm	Yes	Yes	Yes*
Kowa 77 mm	Yes	Yes	Yes*
Kowa 88 mm	Yes	Yes	Yes*
Leica 65 mm Televid	—	Yes	Yes*
Leica 82 mm Televid	—	Yes	Yes*
Leupold Golden Ring	Yes	—	—
Nikon 60 mm Fieldscope	Yes	Yes	Yes Nikon SLR / DSLR only
Nikon 82 mm Fieldscope	Yes	Yes	Yes Nikon SLR / DSLR only
Swarovski 65 mm Scopes	Yes	Yes	Yes*
Swarovski 80 mm Scopes	Yes	Yes	Yes*
Vortex 80 mm Skyline ED	Yes	Yes	—
Zeiss 65 mm Diascope	(Digital Camera Eyepiece)	Yes	Yes*
Zeiss 85 mm Diascope	(Digital Camera Eyepiece)	Yes	Yes*

*These products require a T-ring specific to the SLR/DSLR camera model.

Vortex Universal Digital Camera Adapter

Vortex makes two sizes of this universal digital camera adapter. These adapters allow you to connect a digital point-and-shoot camera to a variety of spotting scopes.

Measure the outside diameter (OD) of spotting scope eyepiece to choose the correct adapter bracket.

The Vortex Universal Digital Camera Adapter attaches like this to the eyepiece of a spotting scope.

Small DCA
Fits 28–45mm Eyepieces (OD)

- Audubon 60 mm Lightwave
- Bushnell 15–45x60 Spacemaster
- Eagle Optics 50 mm Triumph
- Eagle Optics 60 mm Denali
- Nikon 13–30x50 Fieldscope
- Meopta 75 mm Meostar
- Pentax PF-63
- Vortex 60 mm Nomad
- Vortex 70 mm Impact

Large DCA
Fits 43-65mm Eyepieces (OD)

- Bushnell 80 mm Elite
- Bushnell 60 mm Legend
- Bushnell 80 mm Legend
- Kowa 66 mm with 20–60x Zoom
- Kowa 77 mm with 20–60x Zoom
- Kowa 88 mm with 20–60x Zoom
- Leica 65 mm Televid
- Leica 82 mm Televid
- Nikon 20–60x60 Fieldscope III
- Nikon 25–75x82 Fieldscope
- Nikon 65 mm Prostaff
- Nikon 82 mm Prostaff
- Pentax PF-65 ED II
- Pentax PF-80 ED
- Stokes 65 mm Sandpiper
- Swarovski 65 mm ATS / STS
- Swarovski 80 mm ATS / STS
- Vortex 80 mm Skyline
- Vortex 80mm Skyline ED
- Zeiss 65mm Diascope
- Zeiss 85mm Diascope

Please call for information on any spotting scope or eyepiece combination not listed here.

Eagle Optics at 1-800-289-1132.

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1. New Bushnell Scout 1000 Rangefinder — True Ballistic Range

Here's the ultimate pocket-sized rangefinder, measuring out exact distances with the push of a single button. Golfers and hunters will win on any course with the help of the rugged Scout 1000 5x24 rangefinder.

Bushnell Scout 1000 Rangefinder Features:
Weather-resistant, 3-Volt CR2 lithium battery, carry case, neck strap. Bushnell 2-year warranty.

2. Leica Rangemaster CRF Rangefinders

With fast, reliable rangefinding and uncompromised Leica optical quality you'll see sharp details in any kind of weather. This laser rangefinder is waterproof to a depth of about three feet. The soft-touch armor over the carbon fiber-reinforced plastic housing guarantees a secure grip in cold, wet weather. **Choose between the Rangemaster 900 CRF and 1200 CRF (yards or meters).**

Leica Rangemaster CRF Features:
Leica P40 phase correction, HDC lens coatings, rubber eyecups (15mm eye relief), waterproof, 3-Volt CR2 lithium battery, cordura carry case with belt-loop attachment, carry cord. Leica 2-year warranty.

3. Leupold RXB-IV Digital Rangefinder — True Ballistic Range

Leupold gave this digital 9x rangefinder True Ballistic Range capability for greater accuracy in long-range shooting at maximum ranges. Rugged, waterproof, lightweight and compact, the RXB-IV is very easy to use in the field—even when your hands are sweaty or the weather is at its worst.

Leupold RXB-IV Digital Rangefinder Features:
Waterproof, Lanyard, CR2 lithium battery, inclinometer, compass. Leupold limited 2-year warranty.

4. New Zeiss Victory RF Rangefinder — Brilliant optical quality.

The Victory RF binocular provides the clarity and power you expect from Zeiss binoculars. The large 45mm objective lense ensure excellent image quality and brightness–even in twilight when viewing wildlife is most challenging. Together with the range-finding and ballistic information, you get the critical details you need. **Choose between the 8x45 and 10x45 Victory RF rangefinder binoculars.**

Zeiss Victory RF Rangefinder Features:
Abbe-Koenig prisms, T* full multi-coatings, LotuTec protection on lenses, long eye relief, waterproof, fog proof, 3-Volt CR2 lithium battery, carry case, neck strap. Zeiss warranty.

5. Leica Geovid Rangefinding Binoculars

You can count on the multi-purpose waterproof Geovid rangefinders for incredible optical and electronic performance. Solid Leica construction forms the foundation for the Geovid's impressive, reliable images and readings in the field. **Choose between the Geovid 8x42, 10x42, 8x56, or 15x56 rangefinding binoculars.**

Leica Geovid Rangefinding Binocular Features:
Leica P40 phase correction, HDC lens coatings, click-stop eyecups (removable), waterproof, fog proof with nitrogen-purging, aluminum die-cast body, rubber armor, 3-Volt CR2 lithium battery, cordura carry case, neck strap, rainguard, tethered objective lens covers. Leica 5-year warranty.

Bushnell 4x50 NightWatch Monocular

Rely on this NightWatch to reveal even more details in the dead of night. While the large 50mm objective lens and 4x magnification focus on the unknown, the built-in infrared illuminator brings it all to light. Rely on a ridged rubber armor to add extra protection against rough handling.

Bushnell NightWatch Monocular Features:
Tripod adaptable, two AA batteries. Bushnell warranty.

Night Vision Monocular

	Bushnell NightWatch 4x50
Close Focus	5–700'
Field of View (1000 Yards)	70'
Length	7.9"
Height	2.3"
Width	3.7"
Weight	18.0 oz

	Bushnell Scout 1000 5x24	Leica CRF 900 7x	Leica CRF 1200 7x	8x42	Leica CRF 900 10x42	Leica CRF 1200 8x56	15x56	Leupold RXB-IV 9x	Zeiss Victory RF 8x45	Zeiss Victory RF 10x45
Range (Yards)	5–400'	10–900'	10–1200'	10–1300'	10–1300'	6–1300'	10–1300'	10–1500'	10–1300'	10–1300'
Field of View (1000 Yards)	105'	347'	347'	373'	330'	354'	225'	280'	375'	330'
Length	5.6"	1.3"	1.3"	4.8"	4.8"	2.7"	2.7"	5.4"	—	—
Height	3.2"	2.3"	2.3"	6.9"	6.9"	7.2"	7.2"	2.8"	6.6"	6.6"
Width	2.4"	4.5"	4.5"	2.6"	2.6"	5.3"	5.3"	6.0"	3.7"	3.7"
Weight	10.6 oz	7.8 oz	7.8 oz	32.0 oz	32.0 oz	45.0 oz	45.0 oz	23.0 oz	35.0 oz	35.0 oz

Leica D-Lux 3 Digital Camera

Creative freedom for unforgettable photos!

Every picture taken with Leica's D-Lux 3 digital camera has a story to tell. The unique manual setting options give you the freedom to create images that express your own style. Use this high quality Leica lens to take stunning shots from the wide-angle to the telephoto range. Choose between three picture formats, and achieve first-class image quality with the camera's 10 megapixel sensor. Small and elegant, the Leica D-Lux 3 is always ready to make your personal view of the world a reality. **Choose Black or Silver.**

D-Lux 3 Digital Camera (Black or Silver)

Minox Windwatch Pro

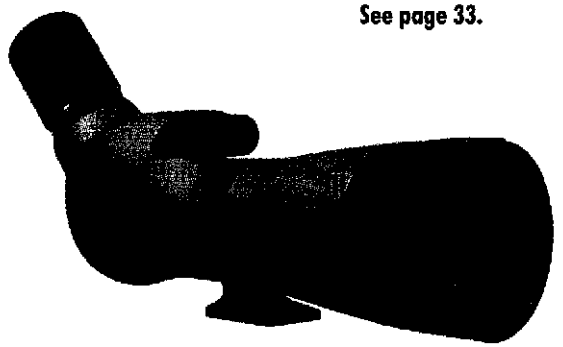
The ultra-compact weather station!

Minox does it again with one of the smallest "weather stations" around. Within seconds, it is possible for you to measure wind speed, temperature, atmospheric pressure, altitude, and humidity. Plus, the Windwatch Pro is ultra-compact and comes in a water-resistant housing—perfect for accurate estimations of the weather wherever you go!

Minox Windwatch Pro II Weather Station Features:
Lithium battery, cord strap.

Kowa TSN 773 – 77mm Prominar

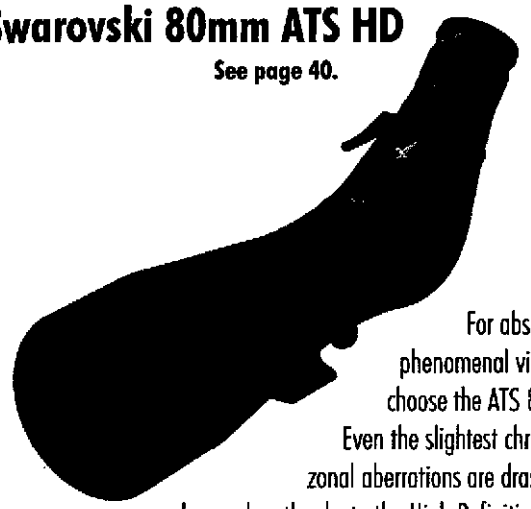
See page 33.



Kowa has been making quality optics since 1894 and continues its commitment to meeting the needs of future generations. The TSN 773 spotting scope is another fine example of Kowa's craftsmanship—delivering on what Kowa values most.

Swarovski 80mm ATS HD

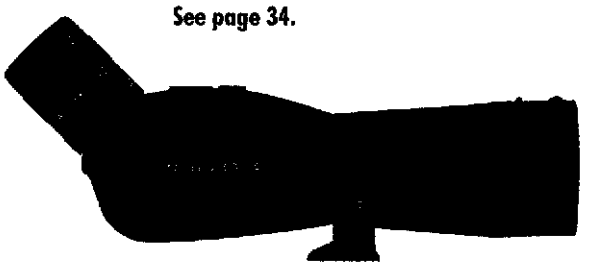
See page 40.



For absolutely phenomenal viewing, choose the ATS 80 HD. Even the slightest chromatic zonal aberrations are drastically lowered—thanks to the High Definition (HD) glass used in the objective lens. Swarovski pair this with a well-engineered optical system for superb, highly-contrasted images that mimic the beauty of nature.

Leica Televid 65 HD

See page 34.



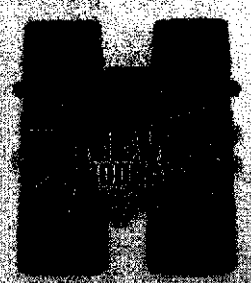
Leica's new high definition scope comes in a compact size. The Televid 65 HD features excellent resolution and natural, bright color reproduction. New fluoride lenses housed in a robust yet lightweight magnesium housing make this the ideal scope for all-day outings.

On Our Website

Look for these links on the home page at **www.eagleoptics.com**:

HOT DEALS

This is a direct link to closeout deals and deeply discounted items. Just click on the Hot Deals tab for the greatest deals around.

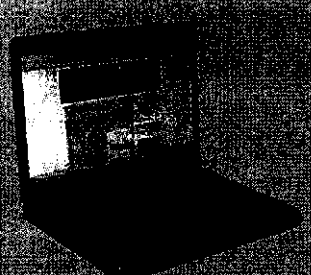


NEW PRODUCTS

Eagle Optics carries a full line of products from all major optics manufacturers. When new products are available, we highlight them at the New Products link.

STAFF PICKS

Anytime you see the Seal of Approval logo, you know the product meets or exceeds our strict standards for value and performance. Our customers can feel confident purchasing products from these suggestions.



BLOGS

Check out our blog links for conservation information, product reviews, and upcoming events. You will also find tips on birding, digiscoping, and binocular care.

eBay STORE

You'll always find a great deal in the Eagle Optics eBay store. Featuring used, demo, refurbished or discontinued items, the inventory is always changing. Visit often and you'll be sure to *Buy It Now*.

Call Toll Free:
800-289-1132

Website: **www.eagleoptics.com**
Email: **information@eagleoptics.com**

Bushnell Elite 8x43

Relying on over 50 years of optics expertise, Bushnell engineered these completely new Elite binoculars to deliver absolutely stunning images that are bright, clear and sharp in the lowest light conditions.

It's no mystery why the 8x43 Elite is popular with birders and outdoor enthusiasts – they truly live up to their name!

See page 6.

Nikon EDG 8x42

The 8x42 EDG (pronounced "Edge") is a stylish binocular that truly elevates superior performance by virtually eliminating chromatic aberration and delivering bright, razor sharp views—a favorite for all-around viewing.

Go ahead and push your birding to the edge with Nikon's EDG binocular.

See page 15.

Vortex Viper 10x42

When daylight dims, shadows deepen, and you're straining for details, the X-Factor of the Vortex Viper rivals higher-priced European binoculars with eXtra-high resolution and increased light transmittance:

- XD glass
- XR coatings

Nominated "Best of the Best" in its class by Field and Stream Magazine.

See page 22.

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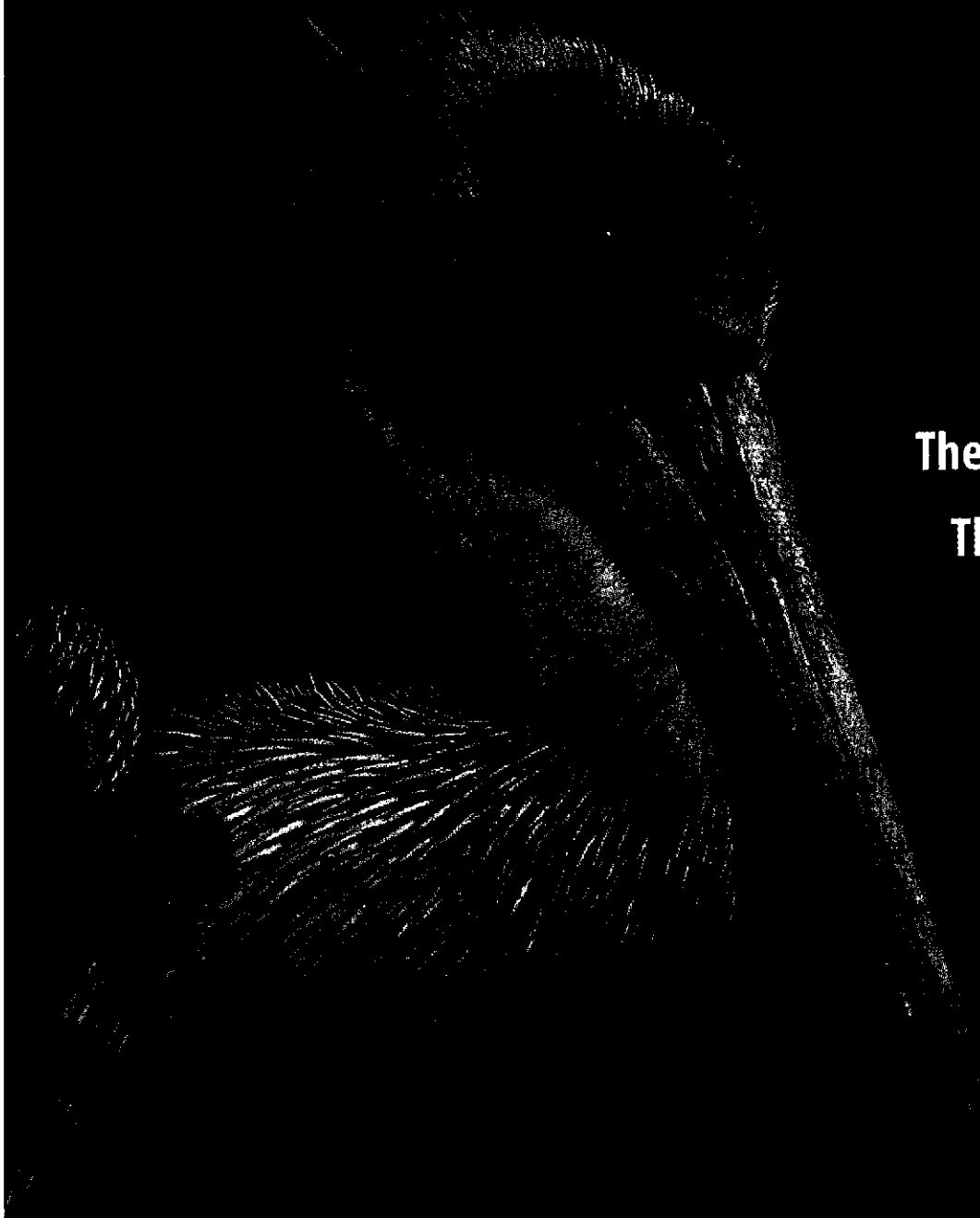
EXHIBIT 9
TO DECLARATION OF
DANIEL C. HAMILTON

EAGLE OPTICS®

Vol. 22– No. 1



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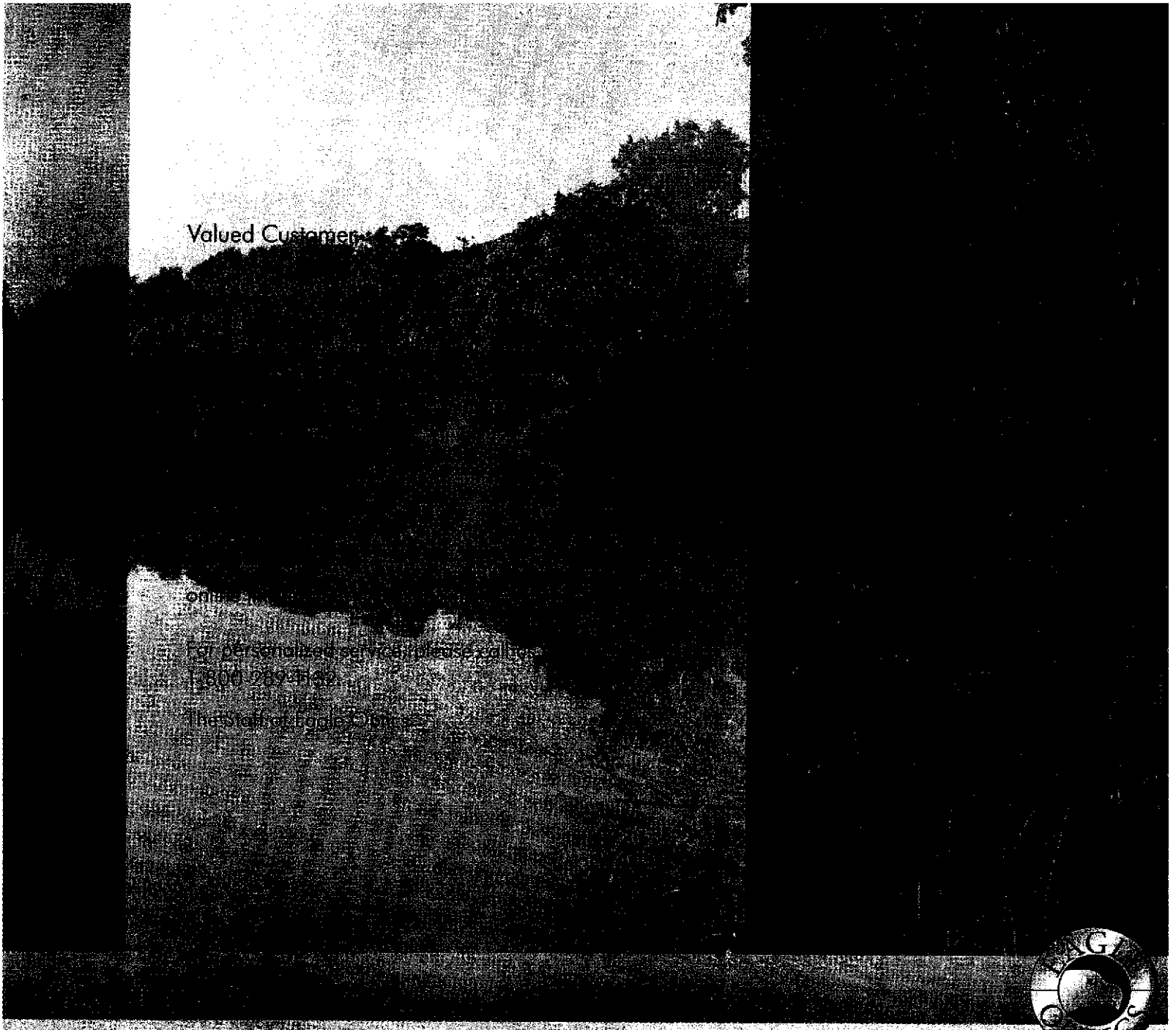

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The EAGLE OPTICS Difference

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At Eagle Optics we know details matter to you...especially when you are investing in fine optical instruments. That's why you can call our professional staff whenever you need to compare, contrast, or clarify information—no matter how simple or how specialized the question! E-mail your questions or comments to info@eagleoptics.com, or call 1-800-289-1132

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Inside this Catalog

Look for this icon and find new products quickly, then read a brief review of the series. You'll find the specifications for binoculars, spotting scopes, monoculars, and rangefinders listed in a chart like the one shown here.

	Binocular Model
Eye Relief	19.5 mm
Close Focus	5'
Field of View (1000 Yards)	336'
Height	5.75"
Width	5.1"
Weight	23.6 oz

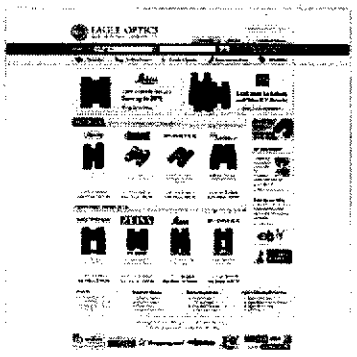
Waterproof optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside the optical barrel. Fogproof optics are filled with nitrogen or argon gas to inhibit internal fogging.

Do Optics Terms Confuse You?

Turn to page 24 for helpful, informative explanations about the world of optics.

Eagleoptics.com has a New Look

Since the beginning, putting customers first has been the top priority of Eagle Optics. Today, it's the driving force behind our new website. Explore it today, visit it frequently in the future, and let us know what you think.



www.eagleoptics.com

Online Newsletter

The Eagle Optics newsletter is a weekly e-mail with:

- Special promotions
- Closeout deals
- News about birds, festivals, conservation efforts
- Contest details
- New Eagle Optics blog entries

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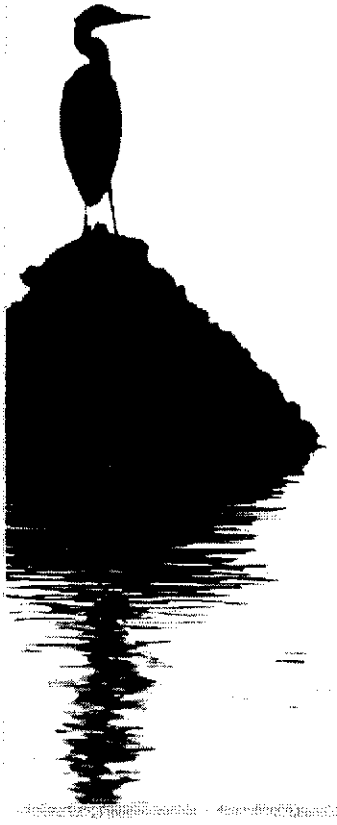


Brunton Binoculars

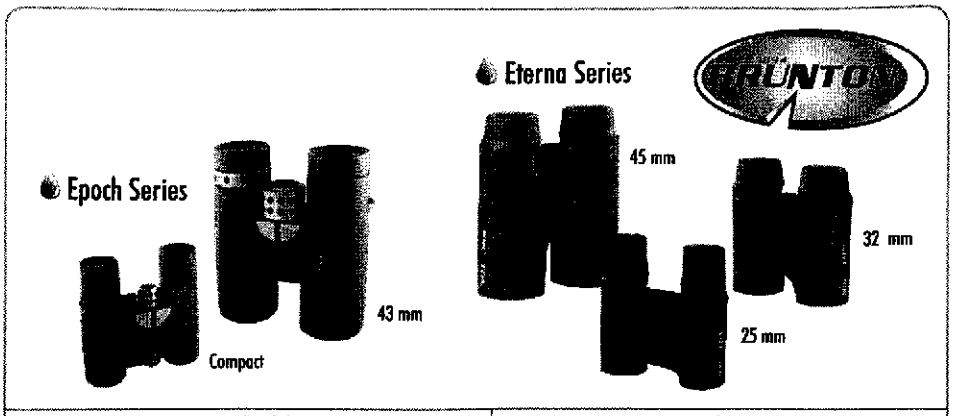
Brunton warranty varies with binocular model.

Epoch Series

Brunton thought of everything when designing its premier Epoch binocular. First, relish distant views through the full-sized Epoch. Then, enjoy butterflies and insects with the Epoch's three foot close focus. The lens coatings deliver superior color resolution and bright images, the anti-fog coatings decrease annoying external fogging, and the Variable Speed Focus System achieves sharp details with minimal focus knob adjustment.

As a member of the Epoch family, the compacts employ the same high-grade glass quality found in the full-sized Epoch. Brunton engineering delivers superior, bright views and impressive external design features. Rubber armoring, waterproofing, fogproofing, and a magnesium alloy body will protect the Epoch during rough use.

Epoch Features: Fully multi-coated (Flat Light coatings), phase corrected, BaK-4 prisms, magnesium alloy body (compacts), rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), anti-fog coating. **Included:** Tethered eyepiece and objective lens covers, neck strap, case (BinoGlove for compacts). Brunton's Halo unlimited lifetime warranty.

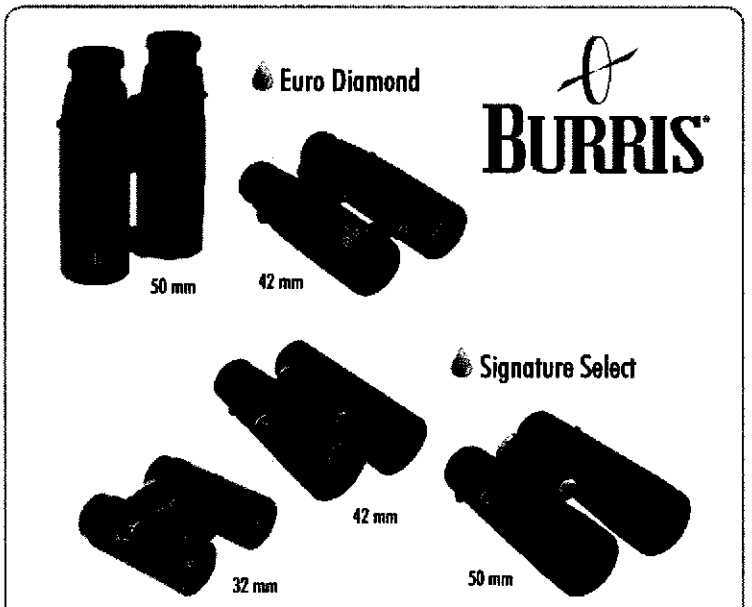


	Epoch Series					Eterna Series					
	8x21	10x25	7.5x43	8.5x43	10.5x43	8x25	10x25	8x32	10x32	8x45	11x45
Eye Relief	15 mm	15 mm	20 mm	19.5 mm	17 mm	18.5 mm	17 mm	16 mm	15 mm	20 mm	19.5 mm
Close Focus	6'	6'	3'	3'	3'	6'	8'	4'	4'	8'	8.0'
Field of View (1000 Yards)	393'	314'	370'	315'	290'	270'	260'	394'	315'	315'	305'
Height	4.3"	4.3"	6.8"	5.8"	5.8"	4.8"	4.8"	5.4"	5.4"	6.0"	6.0"
Width	4.0"	4.8"	5.8"	5.0"	5.8"	3.8"	3.8"	4.8"	4.8"	5.1"	5.1"
Weight	13.0 oz	13.5 oz	26.0 oz	25.0 oz	25.0 oz	12.0 oz	12.0 oz	25.0 oz	25.0 oz	28.0 oz	28.0 oz

Eterna Series

What's in a name? In the case of the Brunton Eterna binocular it means a ruggedness that's made to last. For almost two decades, the Eterna line of binoculars has been a cornerstone for quality and performance at Brunton. The small size and durability of the Eterna makes it easy to take along on a vacation or outdoor adventure.

Eterna Features: Fully multi-coated (Emerald Fire™), phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups (eyecups twist on 25 mm), center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case (BinoGlove for 25 mm). Brunton limited lifetime warranty.



	Euro Diamond			Signature Select					
	8x42	10x42	12x50	8x32	10x32	8x42	10x42	10x50	12x50
Eye Relief	20 mm	18 mm	20 mm	19 mm	13 mm	19 mm	19 mm	19 mm	19 mm
Close Focus	8.2'	8.2'	9.8'	5'	6'	10'	8'	10'	10'
Field of View (1000 Yards)	393'	314'	262'	333'	271'	331'	262'	262'	220'
Height	6.4"	6.4"	7.1"	4.25"	4.25"	5.5"	5.5"	6.5"	6.5"
Width	5.25"	5.25"	5.75"	4.5"	4.5"	5.0"	5.25"	5.25"	5.25"
Weight	30.0 oz	30.0 oz	35.0 oz	16.0 oz	16.0 oz	22.0 oz	23.0 oz	27.0 oz	27.0 oz

Burris Binoculars

Burris Forever lifetime warranty.

Euro Diamond

Burris puts its best optics in each Euro Diamond binocular. Precisely ground and polished prisms are phase corrected and silver coated to provide superior views. The extra-long eye relief and open-hinge design assure comfort for long periods of observation. The Euro Diamond is built for rugged use with its waterproof, fogproof, and rubber armored.

Euro Diamond Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, twist up eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, hard case. Burris Forever lifetime warranty.

Signature Select

The premium optical glass in the Burris Signature Select binocular is precision ground, multi-coated, and phase corrected to deliver bright, clear views of distant vistas or a local conservancy. Adjustable twist up-and-down eyecups and a locking diopter focus ring are details optic users enjoy.

Signature Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups move in and out, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Burris Forever lifetime warranty.

Bushnell Binoculars

* Bushnell limited lifetime warranty.

RAINGUARD® Lens Coating

Repels water and residue on outer glass surfaces.

Elite Series

Relying on over 50 years of optics expertise, Bushnell engineered the Elite binocular to please the most discriminating user. Premium glass quality and patented lens coatings result in images that are exceptionally bright, clear, and sharp. The Elite delivers all the convenient features you expect from a top-level binocular—a lightweight magnesium chassis, water-repellent lens coating, and open-hinge design.

Bushnell's best compact will amaze you as soon as you see the brilliant, crisp images the Elite 7x26 delivers. Take the Elite Custom Compact to the theater or on vacation; the more you use it, the more you will appreciate its excellent performance.

Elite Features: Fully multi-coated, phase corrected (XTR coatings), magnesium body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), Rainguard lens coating. **Included:** Rainguard, neck strap, case.

Elite e²

The Bushnell Elite e2 binocular raises the performance bar for a binocular in this price range and earns your admiration by delivering extremely bright, sharp images. Bushnell adds the Rainguard HD protection to keep images clear even in the rain.

Elite e² Features: Fully multi-coated, phase corrected, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), Rainguard lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Infinity

Bushnell takes the performance of the full-size Infinity binocular up a notch with a boost in the magnification and the objective lens size. The popular open-hinge design allows you to comfortably grip both barrels of the Infinity. Bushnell's patented Rainguard protection keeps your view clear in any weather.

Infinity Features: Fully multi-coated, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), Rainguard lens coating. **Included:** Rainguard, neck strap, case.

Excursion EX

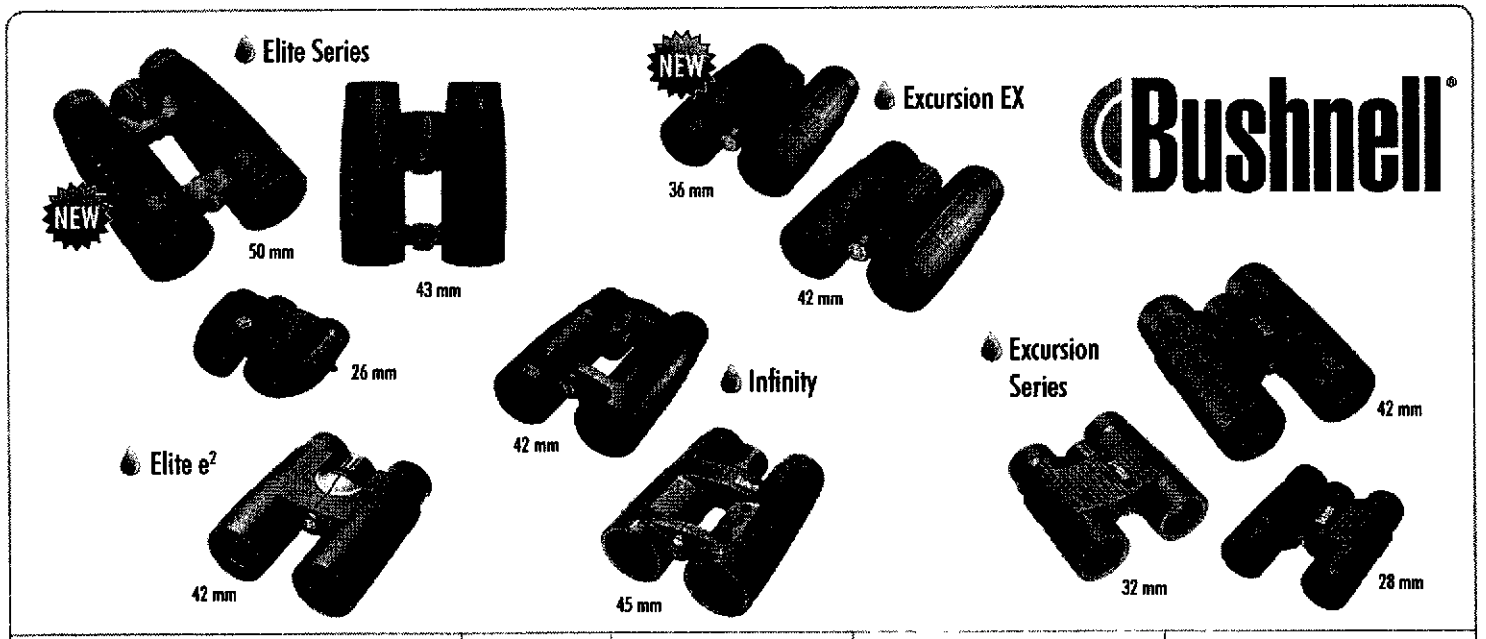
An open hinge design and gel-filled thumb grips make the Excursion EX extra comfortable to hold. With an exceptionally wide field of view, the EX is a top choice for observing fast-moving action. Fully multi-coated and phase-corrected optics deliver sharp, bright views, no matter the time of day. Waterproof, fogproof construction protects the Excursion EX in all types of weather.

Excursion EX Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, locking center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Excursion Series

The optical excellence of the Excursion inspired the customized Excursion EX, but the Excursion's view gets you top-notch images without the higher price. A long time favorite, the strong build and terrific value is shown off from the compact 28mm to the full size 42mm. Here's an outstanding choice for hikers, canoeists, birders, and hunters who demand a great all-around binocular.

Excursion Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case.



	Elite Series					Elite e²		Infinity			Excursion EX					Excursion Series				
	7x26	8x43	10x43	10x50	12.5x50	8x42	10x42	8–16x42	8.5x45	10.5x45	7x36	8x36	10x36	8x42	10x42	8x28	10x28	8x32	8x42	10x42
Eye Relief	16.0 mm	19.5 mm	17 mm	17 mm	17 mm	19.5 mm	15.5 mm	21–15.5 mm	19.5 mm	15.5 mm	19 mm	17.8 mm	15.6 mm	17.2 mm	15.5 mm	15 mm	15 mm	15 mm	17 mm	15 mm
Close Focus	7'	8'	8'	10'	10'	8'	8'	13'	6.7'	6.7'	6.5'	5.5'	5.5'	6.5'	6.5'	6'	6'	6'	7'	7'
Field of View (1000 Yards)	363'	372'	314'	288'	244'	330'	314'	220–157'	314'	299'	488'	426'	321'	414'	330'	417'	335'	426'	426'	340'
Height	3.5"	5.3"	5.3"	6.8"	6.8"	5.7"	5.7"	6.6"	6.1"	6.1"	TBD	4.8"	4.8"	5.8"	5.8"	4.4"	4.4"	4.3"	5.75"	5.75"
Width	4.5"	5.3"	5.3"	5.3"	5.3"	4.9"	4.9"	5.0"	5.3"	5.3"	TBD	4.5"	4.5"	4.8"	4.8"	4.5"	4.5"	4.6"	5.0"	5.0"
Weight	12.0 oz	23.0 oz	23.3 oz	29.0 oz	29.0 oz	25.7 oz	26.1 oz	29.9 oz	25.0 oz	25.5 oz	20.3 oz	21.5 oz	21.5 oz	22.1 oz	22.2 oz	15.2 oz	15.2 oz	20.5 oz	24.7 oz	24.7 oz

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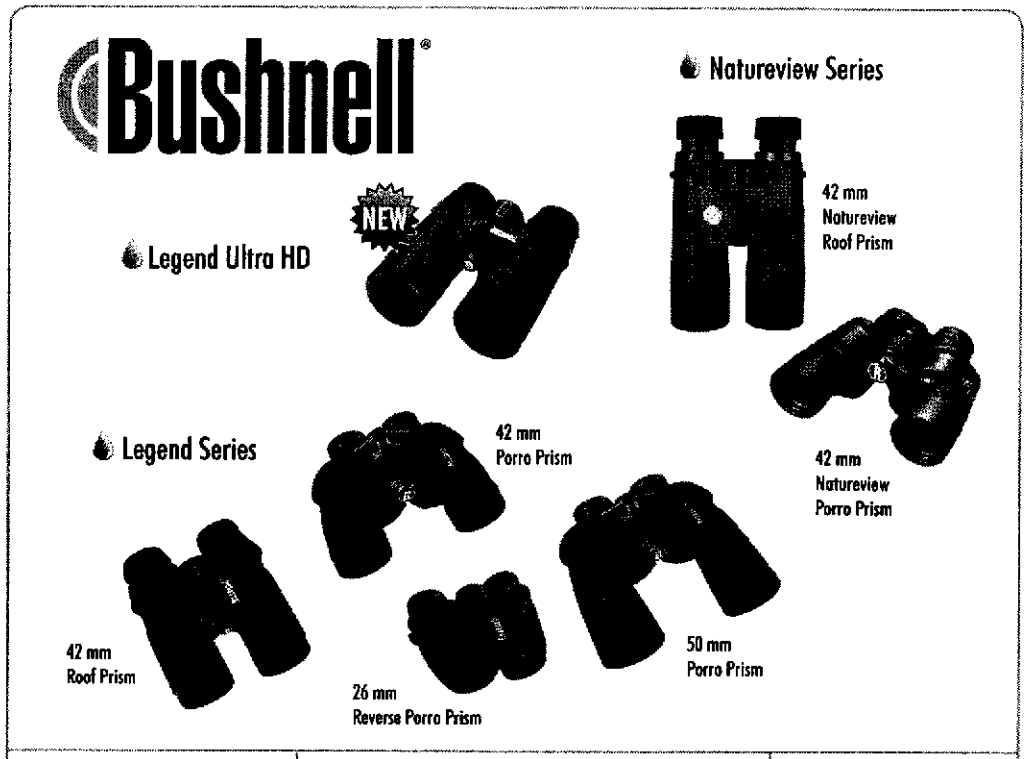


	Legend Ultra HD		Legend Series						Natureview Series		
			Roof Prisms		Porro Prisms				Roof Prisms		Porro Prism
	8x42	10x42	8x42	10x42	8x26	10x26	8x42	10x50	8x42	10x42	8x42
Eye Relief	17.2 mm	15.2 mm	18 mm	15 mm	15 mm	15 mm	15 mm	15 mm	17 mm	17 mm	19 mm
Close Focus	6.5'	6.5'	6'	6'	10'	10'	12'	18'	15'	15'	13'
Field of View (1000 Yards)	420'	340'	330'	315'	290'	262'	430'	340'	330'	315'	412'
Height	TBD	TBD	5.8"	5.8"	4.1"	4.1"	5.3"	7.2"	7.0"	7.0"	5.75"
Width	TBD	TBD	4.9"	4.9"	4.8"	4.8"	7.1"	7.4"	5.0"	5.0"	7.1"
Weight	22.4 oz	22.5 oz	24.5 oz	24.9 oz	14.0 oz	15.0 oz	31.0 oz	28.0 oz	23.0 oz	23.0 oz	26.0 oz

Legend Ultra HD

Redesigned for the ultimate viewing experience, the Legend Ultra HD binocular incorporates ED Prime glass for amazing color resolution and contrast. You will appreciate the minimized color fringing, distinct details in low light conditions, and lightweight magnesium framework. Rainguard HD water-repellent coating, soft-touch grips, and a locking diopter only further the enjoyment of this binocular.

Legend Ultra HD Features: Extra-low dispersion (ED) glass, fully multi-coated (Ultra Wide Band coatings), phase corrected, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Binocular harness strap, neck strap, case.

Natureview

Just as its name implies, the Bushnell Natureview will lead you to success as you search for nature's treasures. The roof prism style offers BaK-4 prisms to optimize light transmission and fully multi-coated lenses to further increase its bright views. Along with twist-up eyecups, the lightweight Natureview is protected with waterproofing, fogproofing, and rubber armoring for reliability in all weather conditions. The classic Natureview porro prism binocular provides quality and a wide 412-foot field of view for following wildlife—all at an affordable price.

Natureview Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

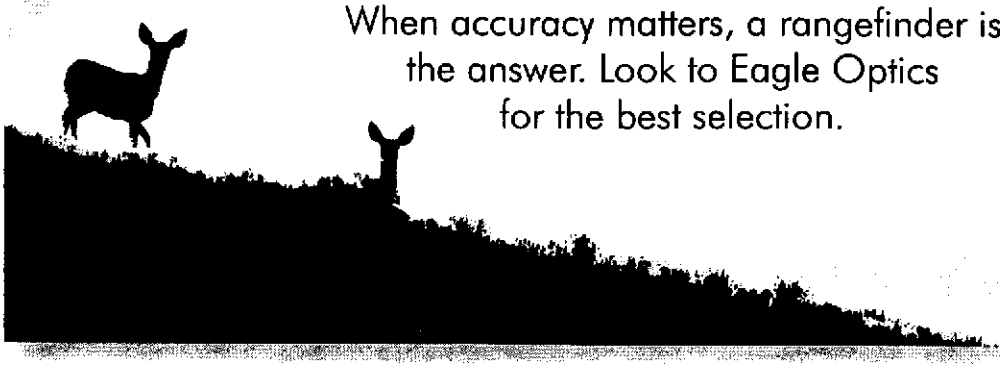
Legend Series

The Legend binoculars offer seasoned dependability and reliably crisp, clear colors to savor. Whether you choose the roof prism, porro prism, or reverse porro prism, these binoculars are built to withstand a variety of weather. This Legend binocular features patented Rainguard protection that breaks water droplets into smaller beads and scatters less light, resulting in a clearer image.

Legend Features: Fully multi-coated, phase corrected (roof prisms), magnesium body, rubber armor, eyecups twist (eyecups move in and out on reverse porro prisms), center focus, locking right eye diopter, tripod adaptable (except 26 mm), waterproof, fogproof (nitrogen gas), Rainguard water-repellent lens coating. **Included:** Rainguard and objective lens caps (except 26 mm), neck strap, case.

RANGEFINDERS

When accuracy matters, a rangefinder is the answer. Look to Eagle Optics for the best selection.

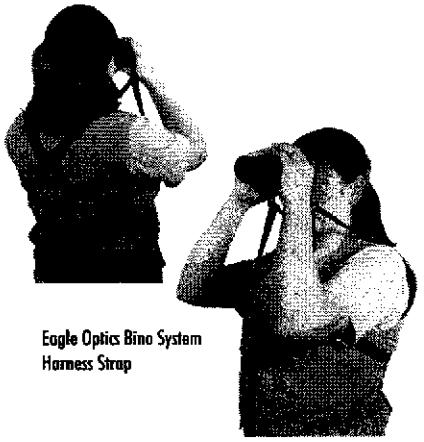


Optics for the Tropics

Using slingshots to shoot birds is a sport for Nicaraguan children. When they traded their slingshots for binoculars, Optics for the Tropics used a hands-on program to teach the kids about birds. This is one of many ways Optics for the Tropics works to change attitudes toward wildlife as it educates Caribbean and Latin American residents on how to safeguard bird populations and their habitats.

Eagle Optics is delighted to partner with Optics for the Tropics and support its vital mission by providing sport optics to researchers, guides, and children. Link to us from www.opticsforthetropics.org, and we will donate five percent of sales generated to help Optics for the Tropics continue its important efforts.

Binocular Accessories



Eagle Optics Bino System Harness Strap

Eagle Optics Bino System Harness Strap

Lighten your load with the Bino-System harness strap. Slip the comfortable, adjustable strap over your shoulders and go! Slide binoculars and cameras up and out as needed

Mini Link Strap

Eliminate neck strain and cut down on the swinging action of your binocular while keeping pace with wildlife. It is an easy-to-use, inexpensive solution for carrying binoculars.

Mini Link Strap

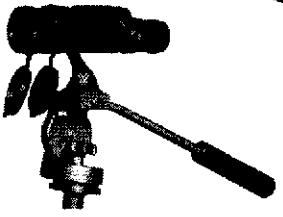
Cleaning Supplies for Crystal-clear Views

Visit www.eagleoptics.com/binoculars-accessories

Call 1-800-289-1132

Vortex Tripod Adapter

Use this tripod adapter to mount your binocular to any tripod or car window mount. Enjoy steady, hands-free viewing.



Vortex Binoc-Loc

The binoc-Loc keeps barrels perfectly positioned to your eyes for convenient viewing.

Vortex Bino-Loc

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Eagle Optics Binoculars

Eagle Optics warranty varies with the binocular model.

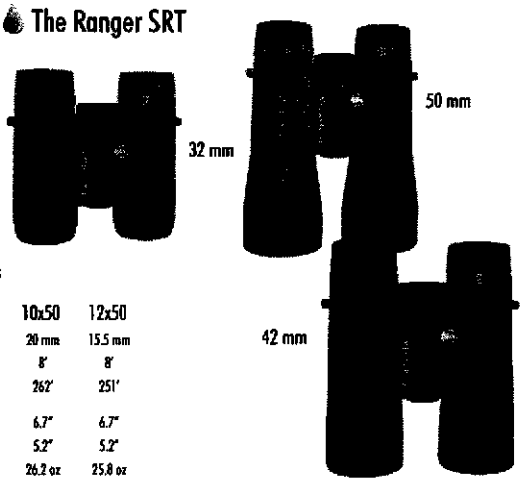
Ranger SRT

Our customers know they can count on the Ranger SRT binocular to meet high-performance expectations. The Ranger is especially favored for its superior edge-to-edge sharpness, light weight, durable body, and affordable price. The soft rubber, multi-position eyecups, and long eye relief guarantee comfortable viewing during extended use.

Customers value the Ranger's rich color details, pleasing field of view, close focus, and Platinum Protection lifetime warranty. See for yourself why our customers love taking the Ranger SRT on a short hike or around the world.

Ranger SRT Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Eagle Optics Platinum Protection lifetime warranty.

The Ranger SRT



Ranger SRT Series

	6x32	8x32	8x42	10x42	10x50	12x50
Eye Relief	19.5 mm	16 mm	19.5 mm	16 mm	20 mm	15.5 mm
Close Focus	3'	3'	5.2'	5.2'	8'	8'
Field of View (1000 Yards)	409'	393'	341'	314'	262'	251'
Height	4.9"	4.9"	5.75"	5.8"	6.7"	6.7"
Width	4.8"	4.8"	5.1"	5.1"	5.2"	5.2"
Weight	19.4 oz	19.2 oz	21.8 oz	21.6 oz	26.2 oz	25.8 oz

RANGER BINOCULARS

"The Ranger made both our Favorites list and our Best Buy list. It is really a wonderful glass to use in the field, and backed with an excellent warranty from Eagle Optics."

-Bird Watcher's Digest

See for yourself why the Ranger SRT sets the standard for nature lovers on the safari of a lifetime or butterflying in their own flower garden.

Ranger SRT 10x42

Optics For A Lifetime!

The Eagle Optics Platinum Protection warranty covers the Ranger, Denali, and Raven binoculars forever. If needed, return the binocular to us for repair or replacement at no additional charge.

Reasonable Repair Cost—We Promise!

The Eagle Advantage Certificate is our promise to replace or repair your optics for no more than $20.

Denali

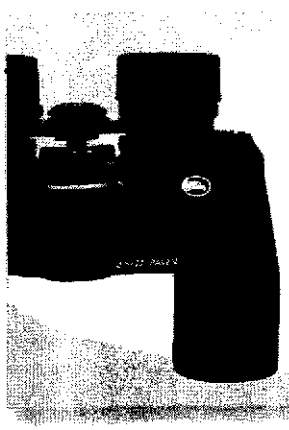
The Denali's solid chassis is built to keep pace with the avid outdoor explorer. Weighing only 21.9 ounces, the Denali is easy to carry and comfortable to use when scanning for long periods. Don't worry about rain or temperature—the Denali is protected with waterproofing and fogproofing.

Denali Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Raven

Beginner or experienced, young or old, and everyone in between will appreciate the performance of the new Eagle Optics Raven binocular. The highly-regarded porro prism style of the Raven delivers an exceptionally wide field of view with sharp, rich three-dimensional views. Featuring twist-up eyecups and waterproof, fogproof construction, the Raven continues a classic tradition in a modern fashion.

Raven Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, carry case. Eagle Optics Platinum Protection lifetime warranty.



A Classic Tradition In a Modern Fashion

Bright and easy to use—for exciting discoveries now and in the future.
Eagle Optics Raven 6.5x32 and 8.5x32

Triumph Series

Surprisingly bright and sharp, pleasantly lightweight, and economical describes the Eagle Optics full size Triumph. A great bang for your buck, the Triumph delivers an outstanding field of view. Multi-coated optics allow increased light transmission for illuminating views. Packed in a carrying case with lens caps and a neck strap, the Triumph arrives ready to head outdoors with you.

Small in size and weighing only 10.2 ounces, the 25 mm porro prisms deliver big performance. Fully multi-coated optics supply bright views. Long eye relief makes these compacts easy for eyeglass wearers to use. The slim barrels and double-hinged design of the 25 mm roof prism is perfect for slipping in a pocket when you venture outside, or keeping handy to check out the bird feeders.

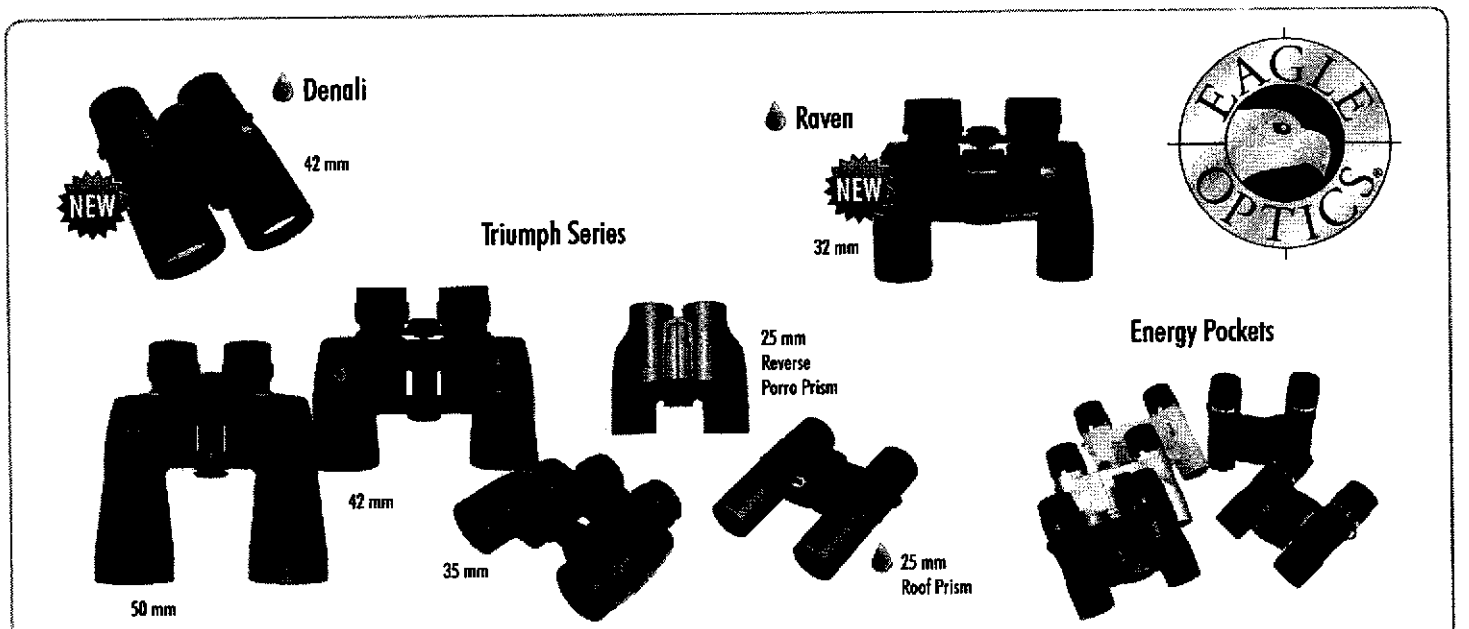
Triumph Full-Sized Features: Multi-coated, BaK-4 prisms, eyecups roll, center focus, right eye diopter. **Included:** Eyepiece and objective lens caps, neck strap, case. Eagle Optics limited lifetime warranty and Eagle Advantage repair certificate.

Triumph Compact Features: Fully multi-coated, BaK-4 prisms, eyecups twist, center focus, right eye diopter, waterproof (roof prisms). **Included:** Neck strap, case. Eagle Optics limited lifetime warranty and Eagle Advantage repair certificate.

Energy

Pick up this little roof prism binocular for use on a daytime hike, at the football game, or in the theater. The Energy has multi-coated lenses for bright views and a double-hinged design that folds into an easily portable size. With five great colors to choose from and an affordable price, you will want to order several Energy binoculars—one for yourself and more for friends.

Energy Features: Multi-coated, eyecups roll, center focus, right eye diopter. **Color Choices:** Star (silver), Moon (blue), Sun (yellow), Lava (red), Ocean (green). **Included:** Rainguard, neck strap, case. Eagle Optics limited lifetime warranty.



	Denali		Raven		Triumph							Energy
					Roof Prisms		Reverse Porro Prisms		Porro Prisms			
	8x42	10x42	6.5x32	8.5x32	8x25	10x25	8x25	10x25	7x35	8x42	10x50	8x21
Eye Relief	18 mm	14.5 mm	20 mm	20 mm	15 mm	10 mm	18 mm	18 mm	12 mm	14 mm	13 mm	8 mm
Close Focus	7'	7'	15'	15'	6.6'	6.6'	8.2'	8.2'	12'	13'	22'	8'
Field of View (1000 Yards)	408'	318'	410'	390'	348'	341'	330'	262'	483'	430'	342'	383'
Height	5.4"	5.4"	4.5"	4.5"	4.5"	4.5"	3.8"	3.8"	4.75"	5.75"	7.6"	3.75"
Width	5.0"	5.0"	5.7"	5.7"	4.3"	4.3"	4.3"	4.3"	7.0"	7.1"	7.5"	2.3"
Weight	21.9 oz	21.9 oz	17.3 oz	17.3 oz	9.1 oz	9.1 oz	10.2 oz	10.2 oz	20.4 oz	22.8 oz	29.6 oz	6.0 oz

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Fujinon Binoculars

Fujinon warranty varies with binocular model.

Polaris

When you want the best binocular for marine or astronomy use, nothing surpasses the Fujinon Polaris FMT-SX binoculars. Fujinon applies special anti-reflection coatings to achieve the outstanding light transmission important for sharp details when viewing at a distance. Protected with waterproofing, fogproofing, and rubber armoring, these binoculars are highly valued by boaters and astronomers.

Polaris Features: Fully multi-coated, BaK-4 prisms, aluminum body, eyecups roll, rubber armor (select models), individual focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap. Fujinon limited lifetime warranty.

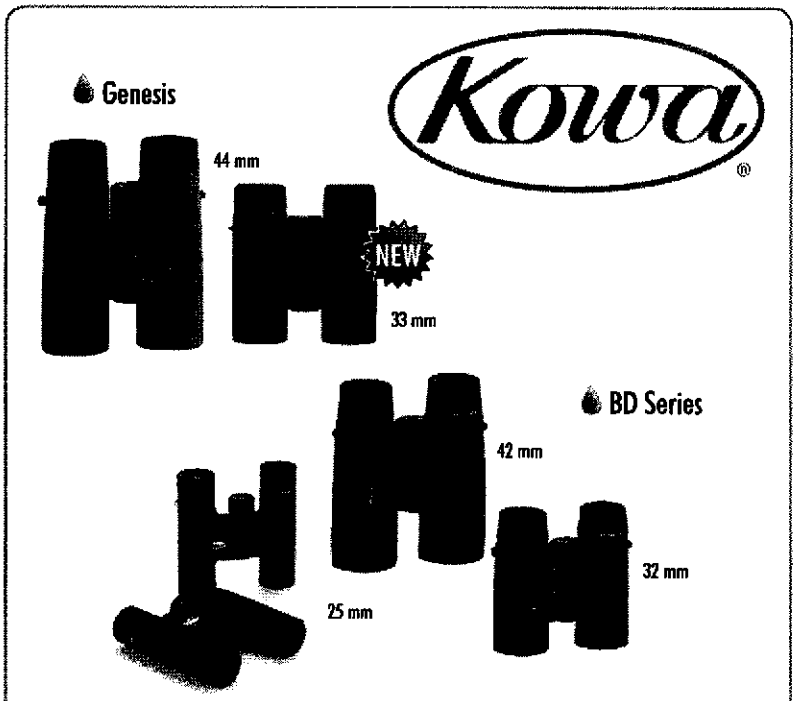
Techno-Stabi

The image stabilization technology built into the Fujinon Techno-Stabi binocular delivers views free of the distortion caused by uncontrolled movement. Fujinon applies special anti-reflection coatings to achieve outstanding light transmission important for sharp details when viewing at a distance. Perfect for use around the water, the Fujinon Techno-Stabi is protected with waterproofing and fogproofing.

Techno-Stabi Features: Fully multi-coated, waterproof, fogproof (nitrogen gas). **Included:** Two AA batteries, rainguard, neck strap, case (hard case for 14x40). Fujinon 1-year warranty.

	Polaris			Techno-Stabi	
	7x50	10x70	16x70	12x32	14x40
Eye Relief	23 mm	23 mm	15.5 mm	15 mm	13 mm
Close Focus	20'	27'	36'	16.5'	16.5'
Field of View (1000 Yards)	393'	279'	210'	263'	277'
Height	7.9"	11.25"	10.6"	7.0"	7.8"
Width	8.6"	9.75"	9.75"	5.6"	8.5"
Weight	Below*	76.2 oz	76.2 oz	37.8 oz	53.2 oz

*Weights of various 7x50 Polaris models
7x50 FMT-SX 50.1 Ounces
7x50 FMTR-SX 53.6 Ounces (Armored)
7x50 FMTRC-SX 55.0 Ounces (Armored / Compass)



	Genesis				BD Series					
	8x33	10x33	8.5x44	10.5x44	8x25	10x25	8x32	10x32	8x42	10x42
Eye Relief	15.0 mm	15.0 mm	18.3 mm	16.0 mm	15.0 mm	17.0 mm	15.0 mm	15.0 mm	18.3 mm	17.6 mm
Close Focus	5.0'	5.0'	5.6'	56'	6.0'	6.0'	4.9'	4.9'	6.6'	6.6'
Field of View (1000 Yards)	420'	357'	366'	324'	331'	263'	394'	315'	331'	315'
Height	5.6"	5.6"	6.5"	6.5"	4.4"	4.4"	4.9"	5.0"	5.8"	5.8"
Width	4.9"	4.9"	5.4"	5.4"	4.2"	4.2"	4.8"	4.8"	5.0"	5.0"
Weight	20.8 oz	20.8 oz	33.5 oz	34.0 oz	11.5 oz	11.5 oz	19.8 oz	19.9 oz	25.7 oz	26.3 oz

Kowa Binoculars

Kowa limited lifetime warranty.

Genesis

Kowa's top-performing Genesis binocular rewards you with the fine details. By incorporating Prominar XD glass, your view through the Genesis benefits from enhanced resolution and reduced chromatic aberration. Fully multi-coated lenses and prisms provide excellent transmission of the light gathered through the objective lenses. The magnesium body of the Kowa Genesis is built tough for all weather conditions with waterproofing and fogproofing.

Genesis Features: Prominar XD glass, fully multi-coated, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, binocular harness strap, case.

BD Series

You can count on the waterproof and fogproof Kowa BD binoculars to perform well, regardless of the weather conditions. The Kowa BD compact is small in size, but not in performance. Select the Kowa BD mid-size binocular for great performance without extra bulk. Fully multi-coated optics and phase correction work together to deliver bright, sharp images with great color resolution.

BD Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, neck strap, case.

Leica Binoculars

-Leica limited lifetime warranty plus Leica's 3-year Passport Protection Plan.

Ultravid HD

Over 100 years of craftsmanship culminates in the impressive performance of the Leica Ultravid HD binocular. State-of-the-art design incorporates fluoride glass with anti-reflective coatings to enhance color resolution and increase light transmission. The optimized Leica focus knob functions smoothly regardless of temperature extremes. The AquaDura™ lens coating forces rain to roll off the lens surfaces, makes it easier to remove dirt and smudges, and provides better protection against scratching.

Ultravid HD Features: High-definition (HD) glass, fully multi-coated, phase corrected, dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas), AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Duovid

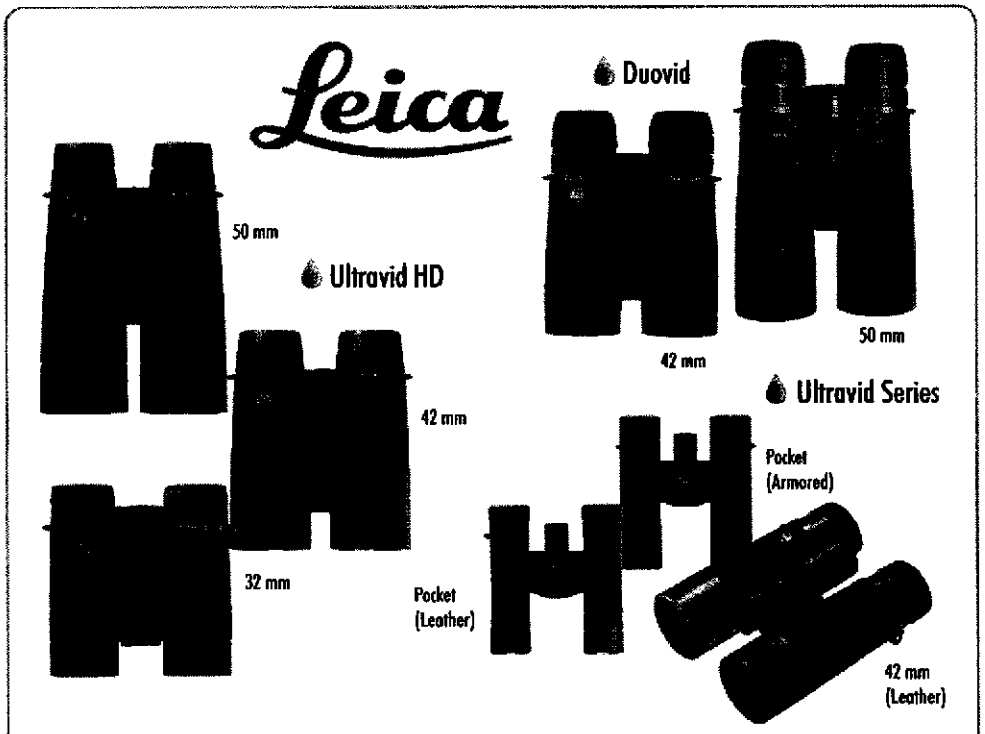
Leica wants nothing but the best for customers, and the Leica Duovid surpasses all others with its flexible switch power feature. Use the lower magnification to spot your subject, then increase the magnification to view the exceptional details. The Duovid features an automatic diopter compensation which automatically adjusts when switching powers. Superior lens coatings and high-quality optical glass provide you with exceptional views.

Duovid Features: Fully multi-coated, phase corrected, Dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor, eyecups twist, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas), AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Ultravid Series

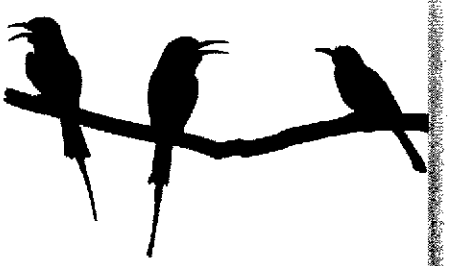
Leica's optical glass works behind the scene by reducing stray light and increasing light transmission and contrast. You'll applaud Leica's innovative HighLux-System (HLS) for such distinctive binocular quality...free of distracting color fringing. See for yourself what so many of our customers have already discovered—the elite performance of the Leica Ultravid, packaged in a compact or full size.

Ultravid Features: Fully multi-coated, phase corrected, dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor or leather trim, eyecups twist, center focus, locking right eye diopter, fogproof, AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.



*Listed weight is for rubber armored version.	Ultravid HD Series								Ultravid Series				Duovid	
	8x32	10x32	7x42	8x42	10x42	8x50	10x50	12x50	8x20*	10x25*	8x42	10x42	8 + 12 x 42	10 + 15 x 50
Eye Relief	13.3 mm	13.2 mm	17 mm	15.5 mm	16 mm	17 mm	17 mm	13 mm	16 mm	15 mm	15.5 mm	16 mm	14.5 mm–14.3 mm	14.5 mm–14.3 mm
Close Focus	6.9'	6.6'	10.8'	9.8'	9.5'	11.5'	10.8'	10.5'	7.2'	10.5'	9.8'	9.5'	11.1'	12.9'
Field of View (1000 Yards)	404'	352'	420'	389'	336'	352'	352'	299'	341'	273'	390'	336'	351'–268'	274'–208'
Height	4.6"	4.8"	5.6"	5.6"	5.8"	7.1"	7.0"	7.1"	3.6"	4.4"	5.6"	5.8"	6.2"	7.8"
Width	4.6"	4.6"	4.8"	4.8"	4.8"	4.8"	4.9"	4.8"	4.4"	4.4"	4.8"	4.8"	4.8"	4.5"
Weight	18.9 oz	19.9 oz	27.2 oz	27.9 oz	26.5 oz	35.3 oz	35.3 oz	36.7 oz	8.5 oz	9.4 oz	25.0 oz	24.7 oz	37.0 oz	44.0 oz

Our Customers Are Talking



"I would rate your customer service **A+** and will be referring everyone I know to your store."
– Jacob, KS

"This is the third pair of binoculars I have bought from Eagle Optics... I would not think of looking elsewhere."
– Bob, AZ

"Everyone I have talked to at your company has been courteous and professional, plus, your prices are very competitive!"
– John, CA

Expect the best. We deliver!

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Leupold Binoculars

Leupold warranty varies with binocular model.

Golden Ring HD

The Leupold Golden Ring HD binocular offers high performance without the high price. Vivid color and tack-sharp details are delivered through the high-definition lenses. Leupold's innovative interpupillary distance lock offers you single-handed control. Built tough to protect against weather extremes, the Leupold Golden Ring HD is a great value.

Golden Ring HD Features: High-density (HD) glass, fully multi-coated lenses, phase correction, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, harness strap, neck strap, case. Leupold full lifetime warranty.

Northfork

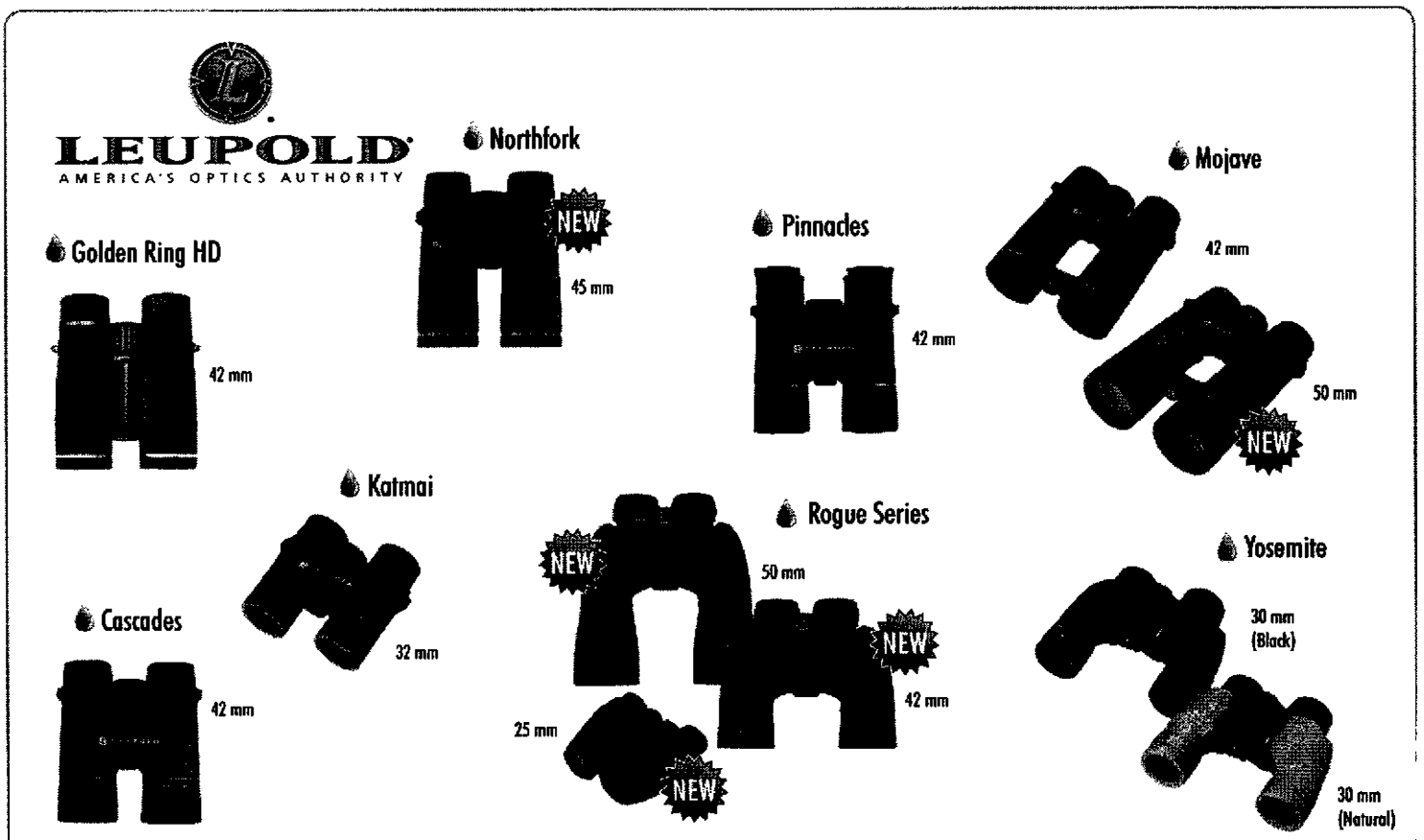
How can a 45mm binocular feel slim in the hand? Pick up the Leupold Northfork and find out! The Northfork body is designed with a narrow bridge that allows a noticeably comfortable and ergonomic feel. The multi-coated lenses optimize light transmission and enhanced, phase corrected Bak-4 prisms provide the sharp, edge-to-edge view you desire. Waterproofing, fogproofing, and rubber armoring make the Northfork a top choice for rugged use.

Northfork Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Leupold limited lifetime warranty.

Pinnacles

The Leupold Pinnacles is a great all-around binocular with phase corrected, multi-coated optics and silver-enhanced prisms for improved image quality. Protected by waterproofing and fogproofing, you can use this binocular without any weather worries.

Pinnacles Features: Fully multi-coated, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case. Leupold limited lifetime warranty.



	Golden Ring HD		Northfork		Pinnacles		Mojave				Katmai			Cascades Roof Prism		Rogue				Yosemite	
	8x42	10x42	8.5x45	10.5x45	8x42	10x42	8x42	10x42	10x50	12x50	6x32	8x32	10x32	8x42	10x42	8x25	10x25	8x42	10x50	6 x30	8x30
Eye Relief	16.5 mm	16 mm	19.5 mm	16.3 mm	17.8 mm	16.5 mm	18 mm	16 mm	17 mm	17 mm	19.2 mm	15.9 mm	10.2 mm	18 mm	16 mm	15.0 mm	15.0 mm	16.5 mm	15.0 mm	20 mm	14 mm
Close Focus	7'	7'	9.8'	9.8'	6.6'	6.6'	12.9'	12.9'	15.0'	9.9'	4.9'	4.9'	4.9'	9.9'	9.9'	14.1'	14.1'	24.0'	30.0'	16.4'	16.4'
Field of View (1000 Yards)	381'	340'	346'	325'	341'	267'	340'	267'	262'	220'	425'	335'	277'	341'	267'	337'	294'	341'	288'	420'	393'
Height	6.0"	6.0"	6.1"	6.1"	5.5"	5.5"	5.6"	5.6"	6.6"	6.6"	4.1"	4.1"	4.1"	5.5"	5.5"	4.3"	4.3"	5.5"	7.0"	4.6"	4.5"
Width	5.25"	5.25"	TBD	TBD	4.75"	4.75"	TBD	TBD	TBD	TBD	4.75"	4.75"	4.75"	5.2"	5.2"	TBD	TBD	TBD	TBD	6.3"	6.3"
Weight	33.2 oz	33.8 oz	27.0 oz	27.0 oz	23.0 oz	25.0 oz	23.0 oz	23.0 oz	28.2 oz	28.2 oz	18.2 oz	18.9 oz	18.2 oz	22.9 oz	23.1 oz	12.7 oz	12.7 oz	23.5 oz	33.0 oz	17.0 oz	18.5 oz

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Mojave
Delighting users with bright, crisp views, the Leupold Mojave delivers by capturing the fine details you crave. The open-hinged body and well-balanced weight of the Mojave feels great in your hands. Leupold incorporates a fully multi-coated lens system and mirror-coated prisms which take the Mojave's optical performance to a new level. With waterproofing, fogproofing, and rubber armoring, the Mojave is ready for whatever you demand.

Mojave Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Katmai
Once a customer has the Leupold Katmai in their hands, they recommend it to friends and come back for more. Optic users who demand portability without sacrificing quality appreciate the compact size, light weight, and bright views of the Katmai. Leupold incorporates L-coated prisms with 64 layers of anti-reflective coatings for extra light transmission you will notice.

Katmai Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Cascades
Grab the lightweight Cascades for day-long exploration and delight in the views. Multi-coatings and phase correction ensure brightness. Waterproofing and fogproofing protect the internal optics.

Cascades Features: Multi-coated, rubber armor, twist eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Leupold limited lifetime warranty.

Rogue
A porro prism binocular is a classic favorite for its performance and value, and the Leupold Rogue delivers both. Expect bright views from the Rogue's fully multi-coated lenses. The locking focus conveniently holds the focus on one area during lengthy periods of viewing. The reverse porro prism design of the compact Leupold Rogue delivers convenience in a palm-sized body.

Rogue (Full Size) Features: Fully multi-coated, BaK-4 prisms, rubber armor, center focus, multi-position eyecups, right eye diopter, waterproof. **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Yosemite
Order one for yourself and a young explorer, and experience why the Leupold Yosemite creates excitement in the sport optics market. Describing the Yosemite optics as bright doesn't sufficiently depict the excellent light transmission of this economical porro prism binocular. A wide field of view only enhances the enjoyment of using the Yosemite. The small interpupillary distance accommodates a wide range of users. A choice of colors will help you outfit the whole family.

Mojave Features: Multi-coated, rubber armor, eyecups twist, center focus, right eye diopter, waterproof. **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Image Stabilized Binoculars

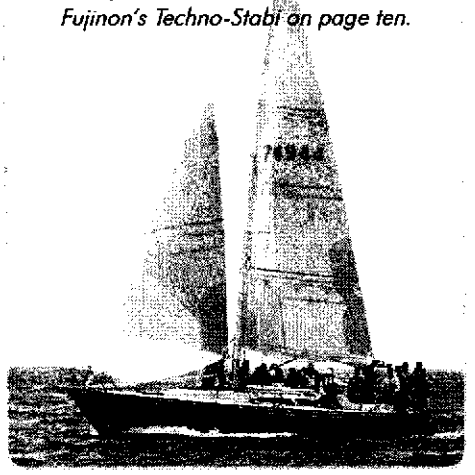
Hand tremors or rolling waves won't deter you from using binoculars when you choose image-stabilized binoculars from Canon. Hikers can easily take along the compact 8x25, and birders certainly enjoy the manageable size and bright views of the 10x30 and 12x36. Boaters needing to scan long distances prefer the image stabilized binoculars featuring higher magnification and larger objective lenses Whenever you are on the move, Canon image-stabilizing binoculars will be your answer for bright, crisp views.

Canon

Canon Image Stabliized Binoculars

	10x30	12x36	10x42	15x50	18x50
Eye Relief	14.5 mm	14.5 mm	16 mm	15 mm	15 mm
Close Focus	13.8'	19.7'	8.2'	19.7'	19.7'
Field of View (1000 Yards)	314'	262'	340'	236'	194'
Height	5.9"	6.9"	6.9"	7.6"	7.6"
Width	5.0"	5.0"	5.4"	6.0"	6.0"
Weight	22.2 oz	23.3 oz	36.8 oz	41.7 oz	41.7 oz

Fujinon's Techno-Stabi on page ten.



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Minox Binoculars

Minox 30-year limited warranty.

Minox APO HG

Minox aims high and hits the mark with a binocular destined to become a classic. The Minox APO HG represents the best in binocular design by incorporating ED lens elements for brilliant colors with no chromatic aberration. Built on a magnesium body, this binocular provides rugged durability that feels ergonomically balanced and lightweight. Focusing from close to infinity is achieved with just one quick turn of the focus knob. Wondering how far away a landmark is? A distance scale located on the focus wheel offers rangefinding capabilities.

APO HD Features: Extra-low dispersion (ED) glass, fully multi-coated (M* coatings), phase corrected (MinoBright® coatings), BaK-4 prisms, magnesium body, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), Minotec lens coating. **Included:** Rainguard, neck strap, case, wooden storage box.

Minox BD BR ALT

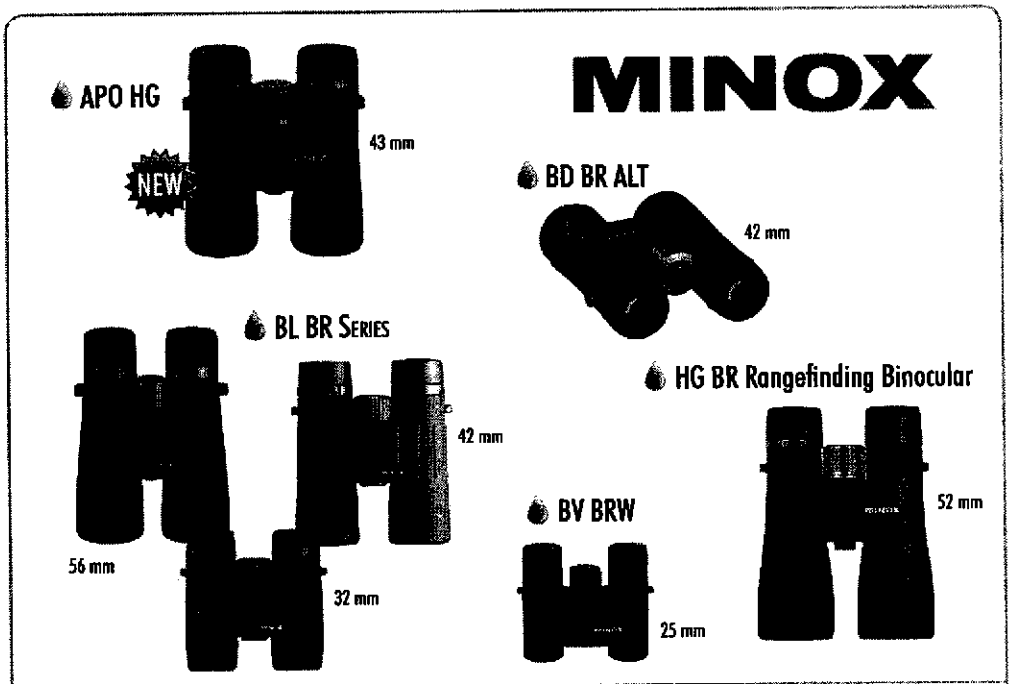
Nature lovers and sport shooters alike enjoy the terrific optics of the Minox BD BR ALT. Anti-reflective multicoated lenses and phase coated prisms ensure bright, high-contrast, and razor-sharp images. Minox adds rubber armoring over a reinforced aluminum body, argon gas for fogproofing, and waterproofing—all features guaranteeing this binocular is ready for tough use.

BD BR ALT Features: Fully multi-coated, phase corrected, BaK-4 prisms, aluminum body, rubber armor, center focus, right eye diopter, tripod adaptable, waterproof, fogproof, (argon gas). **Included:** Rainguard, neck strap, case.

Minox BL BR

Minox incorporates a lightweight polycarbonate body and ridged rubber armoring in a binocular that is easy to carry and comfortable to hold. Adding to your enjoyment is the contrast, detail, and color resolution delivered through the phase corrected prisms and fully multi-coated optics. The exceptional light gathering of the Minox BL BR with 56 mm objective lenses serves you well for astronomy use and scanning distant horizons.

BL BR Features: Fully multi-coated, phase corrected, BaK-4 prisms, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

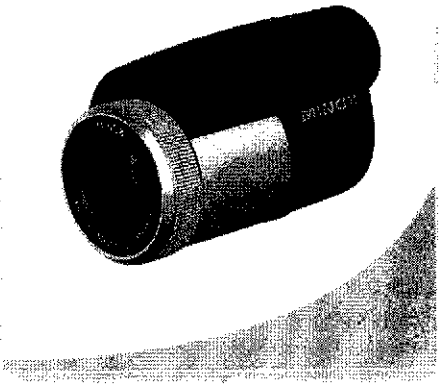


	APO HG		BD BR ALT		BL BR					BV BRW		HG BR Rangefinding	
	8.5x43	10.5x43	8.5x42	10x42	8x32	8x42	10x42	8x56	13x56	8x25	10x25	8.5x52	10x52
Eye Relief	18.0 mm	15.5 mm	18 mm	15 mm	15.5 mm	19.5 mm	16 mm	20.8 mm	15.2 mm	15.5 mm	15.5 mm	19.4 mm	19.5 mm
Close Focus	8.2'	8.2'	9.8'	8.2'	6.2'	8.0'	8.0'	29.5'	23.0'	4.9'	4.9'	11.5'	11.5'
Field of View (1000 Yards)	320.9'	320.9'	315'	320'	394'	341'	315'	326'	263'	390'	315'	289'	278'
Height	5.7"	5.7"	5.8"	5.6"	4.8"	5.7"	5.6"	6.7"	6.7"	4.3"	4.3"	6.9"	6.6"
Width	5.0"	5.0"	5.0"	4.3"	5.0"	5.0"	5.0"	5.7"	5.7"	3.9"	3.9"	5.2"	5.2"
Weight	23.3 oz	23.3 oz	27.7 oz	26.8 oz	18.5 oz	22.9 oz	22.9 oz	36.9 oz	38.1 oz	10.4 oz	10.4 oz	28.0 oz	28.0 oz

Minox 8x25 Minoscope

The Minox 8x25 Minoscope—An Eagle Optics Staff Pick!

More monocular choices on page 26 or visit us at www.eagleoptics.com



Minox BV BRW

Minox's take-anywhere BV BRW compact binocular fits the bill for numerous occasions. Fully multi-coated optics allow for excellent light transmission. Waterproofing and fogproofing protects the internal optics. The wide field of view and 4.9 foot close focus complete the BV BRW's excellent performance

BV BRW Features: Fully multi-coated optics (M* coatings), phase corrected (Minobright coatings), BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case.

HG BR Rangefinding Binoculars

The Minox HG BR rangefinding binocular uses a scale on the focus wheel to help read the distance to the focused object. With fully multi-coated optics, you will be impressed at the contrast, detail, and color resolution of the Minox HG BR binocular. Waterproofing to a depth of over 16 feet, fogproofing with argon gas, and a strong magnesium housing with rubber armoring combine to protect this binocular in the toughest of situations.

HG BR Rangefinding Binocular Features: Fully multi-coated (M* coatings), phase corrected (Minobright coatings), BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (argon gas). **Included:** Neck strap, case.

Nikon Binoculars

Nikon 25-year limited warranty plus Nikon's No-Fault Repair/Replacement policy.

EDG

Designed to push your viewing to the edge of darkness, the EDG is Nikon's new premier binocular. Engineered with the foremost optical features from Nikon, the EDG delivers superior sharpness, color resolution, and brightness. An open-hinge design provides users the comfort of wrapping each hand around the ergonomically balanced barrels. The strong magnesium alloy body, waterproofing, and fogproofing means the EDG is ready for rugged use.

EDG Features: Extra-low dispersion (ED) glass, fully multi-coated, phase corrected, Dielectric prism coatings, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, lens covers, neck strap, case.

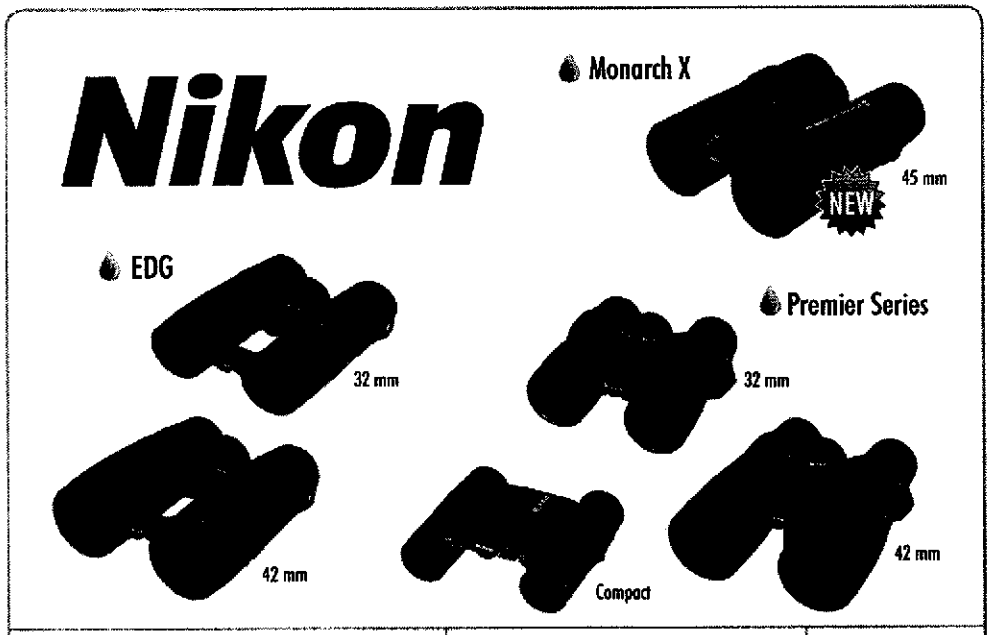
Premier Series

European performance at the mid-price range makes the Nikon Premier an excellent choice for all your activities. The phase-corrected, silver coated prisms and fully multicoated lenses deliver the impressive brightness one expects from a Nikon binocular. By using Eco-Glass and a magnesium-alloy body, this superior binocular is lightweight and comfortable to carry.

Nikon's Premier compact binocular gives you European quality at a lower cost. The superior brightness is not affected by the compact objective lenses. If you are shopping for a high-end compact, put this at the top of your list.

Premier Mid and Full Size Features: Fully multi-coated, phase corrected, silver-coated BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Premier Compact Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.



	EDG					Premier					Monarch X	
	8x32	10x32	7x42	8x42	10x42	8x20	10x25	8x32	8x42	10x42	8.5x45	10.5x45
Eye Relief	18.5 mm	17.3 mm	22.1 mm	19.3 mm	18.0 mm	15mm	15mm	17.0 mm	20.0 mm	18.5 mm	20.6 mm	16.0 mm
Close Focus	8.2'	8.2'	9.8'	9.8'	9.8'	7.8'	10.4'	8.2'	9.8'	9.8'	9.8'	9.8'
Field of View (1000 Yards)	409'	341'	419'	403'	341'	356'	282'	409'	267'	314'	330'	330'
Height	5.6"	5.6"	5.9"	5.8"	5.9"	4.2"	4.4"	5.1"	6.2"	6.2"	6.1"	6.1"
Width	5.3"	5.3"	5.4"	5.4"	5.4"	3.7"	4.2"	5.4"	5.5"	5.5"	5.5"	5.5"
Weight	23.6 oz	23.6 oz	28.6 oz	28.6 oz	28.9 oz	9.5 oz	10.5 oz	24.5 oz	28.0 oz	27.9 oz	25.4 oz	25.7 oz

Monarch X Series

The Monarch X joins the ranks of another Nikon binocular you will love! With Nikon's advanced dielectric, high-reflective, multilayer prism coating you won't head home until the last second of daylight. Solid construction is balanced across the ergonomic, open-hinged design. With the large central focus knob, you can quickly find subjects regardless of distance.

Monarch X Features: Fully multi-coated, phase corrected, dielectric prism coatings, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Eagle Optics

BLOG

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Nikon's ATB Series (All Terrain Binoculars)

Nikon's All Terrain Binoculars (ATB) keep up with the most passionate explorer—no matter the weather conditions. See for yourself why an ATB binocular is the preferred tool for so many outdoor enthusiasts.

Monarch PC ATB

With the multitude of Monarch owners, this could be Nikon's most well-known binocular. Favored for a large variety of uses, the Monarch's lightweight Eco-glass, fully multi-coated optics, and phase corrected prisms combine to deliver bright views. Nikon readies the Monarch for any weather conditions with waterproofing and fogproofing.

Monarch PC Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, triopd adaptable, waterproof, fogprof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers (caps on 36 mm), neck strap, case.

Action Extreme ATB

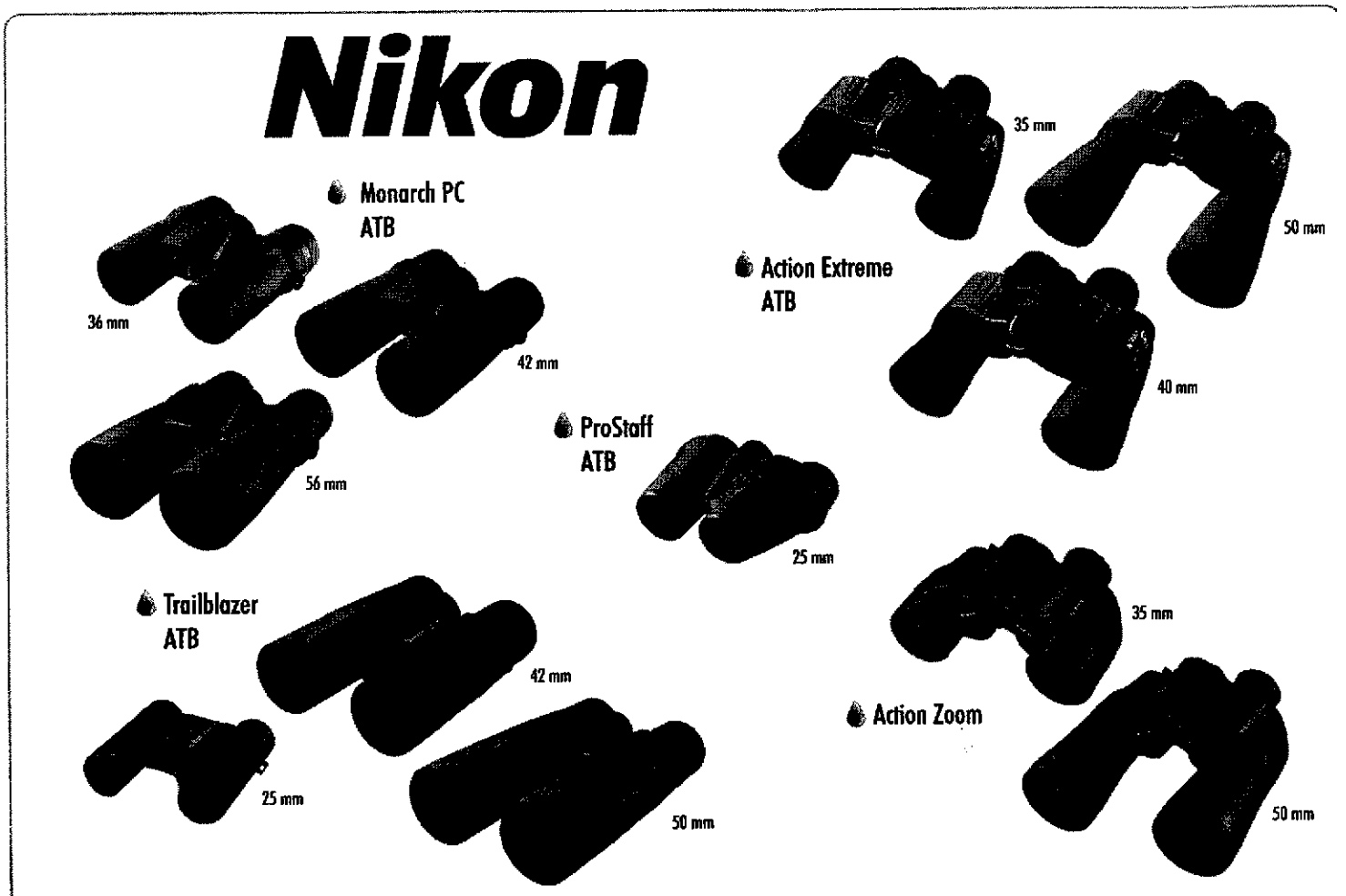
An economically priced binocular that doesn't compromise performance, the Nikon Action Extreme is a popular choice among customers. Naturalists love this binocular for its exceptionally wide field of view. A proven classic porro prism design, the Action Extreme's construction includes waterproofing, fogproofing, and rubber armoring.

Action Extreme Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable. **Included:** Rainguard, objective lens caps, neck strap, case.

ProStaff ATB

Another great Nikon binocular, the ProStaff is a consistent choice for customers wanting the brightest view without paying the highest price. With a lot of value packed into the rubber armored, polycarbonate body, the ProStaff is waterproof and fogproof for use in any weather. See for yourself why so many are hooked on the ProStaff.

ProStaff Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap case.



	Monarch PC ATB							
	8x36	10x36	8x42	10x42	12x42	8.5x56	10x56	12x56
Eye Relief	17 mm	15 mm	19.6 mm	15.5 mm	15.4 mm	19.2 mm	17.4 mm	16.3 mm
Close Focus	8.2'	8.2'	8.2'	8.2'	8.2'	32.8'	32.8'	32.8'
Field of View (1000 Yards)	367'	314'	330'	314'	262'	324'	315'	288'
Height	4.9"	4.8"	5.7"	5.6"	5.7"	7.8"	7.8"	7.8"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	5.7"	5.7"	5.7"
Weight	19.8 oz	19.9 oz	21.5 oz	21.5 oz	21.8 oz	40.2 oz	40.7 oz	41.6 oz

	Action Extreme ATB					
	7x35	8x40	7x50	10x50	12x50	16x50
Eye Relief	17.3 mm	17.2 mm	17.1 mm	17.2 mm	16.1 mm	17.8 mm
Close Focus	16.4'	16.4'	23'	23'	23'	23'
Field of View (1000 Yards)	487'	430'	335'	341'	288'	183'
Height	4.7"	5.4"	7.0"	7.0"	7.0"	7.0"
Width	7.2"	7.4"	7.7"	7.7"	7.7"	7.7"
Weight	28.2 oz	30.1 oz	35.3 oz	36.0 oz	36.8 oz	36.7 oz

	ProStaff ATB		
	8x25	10x25	12x25
Eye Relief	15.5 mm	15.9 mm	15.9 mm
Close Focus	9.2'	9.2'	9.2'
Field of View (1000 Yards)	330'	262'	220'
Height	3.9"	4.0"	4.1"
Width	4.5"	4.5"	4.5"
Weight	12.5 oz	12.9 oz	12.9 oz

	Trailblazer ATB			
	8x25	10x25	8x42	10x50
Eye Relief	10 mm	10 mm	19.7 mm	19.7 mm
Close Focus	8.2'	11.5'	16.4'	16.4'
Field of View (1000 Yards)	429'	342'	366'	294'
Height	4.1"	4.1"	6.1"	7.4"
Width	4.5"	4.5"	5.2"	5.5"
Weight	9.9 oz	9.9 oz	25.4 oz	30.3 oz

	Action Zoom	
	7-15x35	10-22x50
Eye Relief	8.7mm (7x)	8.6mm (10x)
Close Focus	36'	49.2'
Field of View (1000 Yards)	288' (7x)	199' (10x)
Height	5.4"	7.8"
Width	7.2"	7.6"
Weight	28.4 oz	36.2 oz

Just a click away—articles with tons of information on buying binoculars, birding, digiscoping, butterflying, and conservation.

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Trailblazer ATB

The Trailblazer binocular is sure to be a favorite for nature observation. A generous field of view helps you find and follow wildlife on the move. When it comes to getting a better look at butterflies and other insects, it's hard to beat the details you'll see from as close as eight feet. The waterproof and fogproof Trailblazer is a perfect choice to weather unexpected storms.

Trailblazer Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.

Pentax Binoculars

Pentax Worry-Free lifetime warranty.

Pentax DCF ED

The DCF ED is Pentax's best binocular and tops the list for shoppers wanting superior brightness and edge-to-edge sharpness. The lightweight magnesium alloy body, 22 mm eye relief, and 6.6 foot close focus make this binocular a valuable tool for use in a variety of situations. With ED glass, phase coated roof prisms, and fully multi-coated optics, the Pentax DCF ED guarantees outstanding color resolution, tack-sharp images, and excellent light transmission.

DCF ED Features: Extra-low dispersion (ED) glass, fully multi-coated, phase corrected, BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Pentax DCF SP

Don't doubt the performance of the mid-priced Pentax DCF SP. This binocular presents a remarkably bright and sharp view of the action from sunrise to sunset. Built on a strong magnesium frame, the waterproof and fogproof DCF SP is a definite customer favorite.

DCF SP Features: Fully multi-coated, phase corrected, BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Pentax DCF WP II

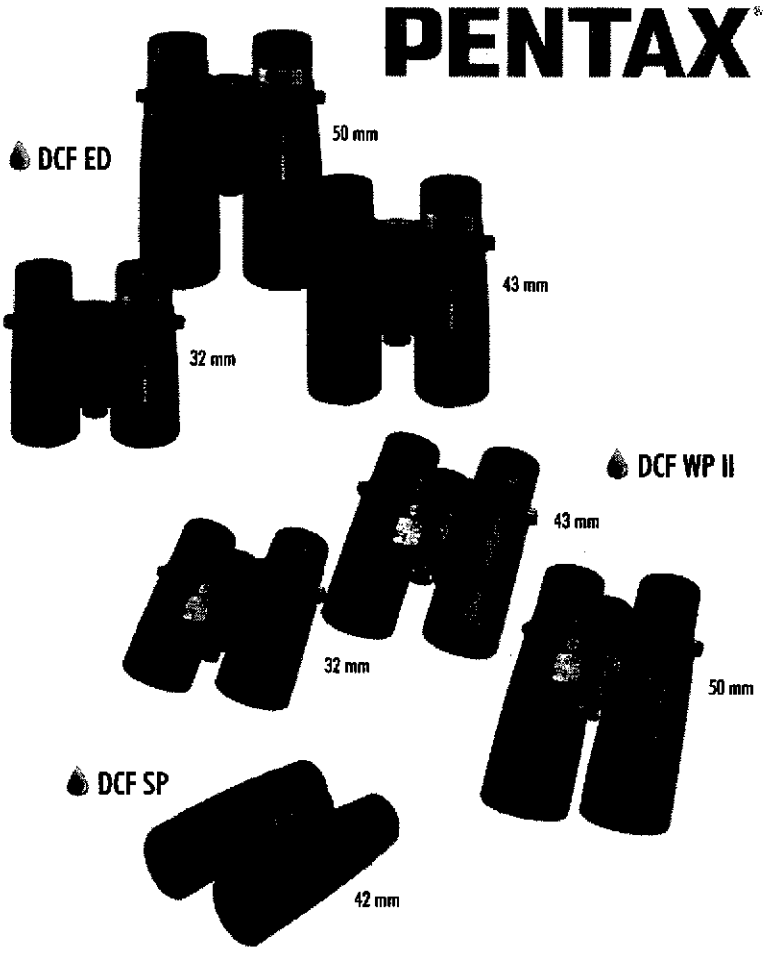
Pentax includes lots to love about the DCF WP II binocular. A long 17 mm eye relief and eyecups with four click-stop adjustments make this binocular especially user-friendly. Built on an aluminum alloy body with rubber armoring, the waterproof and fogproof DCF WP II is ready for whatever the outdoors throws your way.

DCF WP II Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

Action Zoom XL

The Nikon Action Zoom offers you versatility in a binocular. The lower magnification allows you to spot your subject, then zoom in for increased detail. Multi-coated optics provide increased light transmission. Rubber armoring and a large focus knob equal a comfortable and easy-to-use binocular.

Action Zoom Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups roll, center focus, right eye diopter, tripod adaptable. **Included:** Rainguard, objective lens caps, neck strap, case.



	DCF ED				DCF SP				DCF WP II	
	8x32	8x43	10x43	10x50	8x32	8x43	10x43	10x50	8x42	10x42
Eye Relief	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	22 mm	17 mm
Close Focus	4.9'	6.6'	6.5'	11.5'	4.9'	6.6'	6.6'	11.5'	8.2'	8.2'
Field of View (1000 Yards)	393'	330'	315'	261'	393'	330'	315'	261'	330'	315'
Height	5.0"	5.7"	5.7"	6.7"	5.0"	5.7"	5.7"	6.7"	5.7"	5.7"
Width	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"
Weight	23.5 oz	25.2 oz	25.8 oz	30.2 oz	23.2 oz	24.5 oz	25.0 oz	29.6 oz	28.2 oz	28.2 oz

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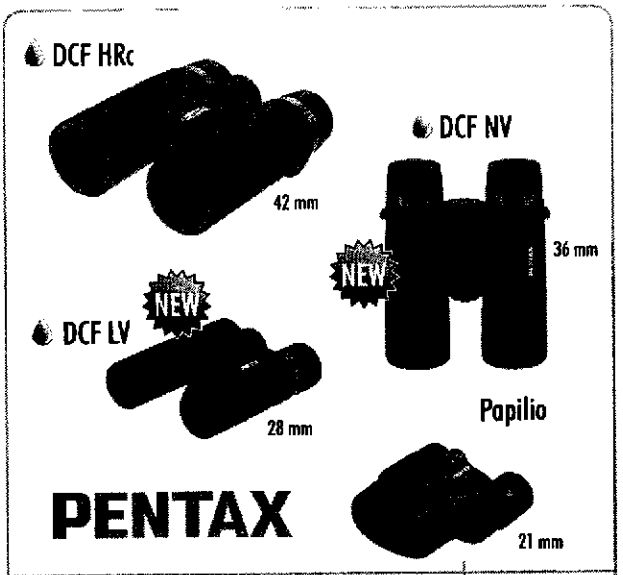

	DCF HRc		DCF LV	DCF NV		Papilio	
	8x42	10x42	9x28	8x36	10x36	6.5x21	8.5x21
Eye Relief	21 mm	18 mm	18.0 mm	16.0 mm	17.5 mm	15 mm	15 mm
Close Focus	8.2'	8.2'	9.9'	9.8'	9.8'	1.6'	1.6'
Field of View (1000 Yards)	393'	315'	294'	342'	288'	393'	315'
Height	5.8"	5.7"	4.6"	6.1"	6.1"	4.5"	4.6"
Width	5.2"	5.2"	4.5"	5.1"	5.1"	4.3"	4.3"
Weight	23.6 oz	23.3 oz	12.9 oz	22.6 oz	22.6 oz	10.2 oz	10.2 oz

Papilio

Just like a portable microscope, the Pentax Papilio is perfect for getting a complete view of the wondrous colors and patterns of butterflies, insects, or flowers. You will enjoy a mosaic of details with the outstanding 1.6 foot close focus. The fully multi-coated optics increase light transmission to deliver the subtleties of nature and art.

Pentax DCF HRc

Pentax guarantees reliability through the seasons with the waterproof and fogproof construction of the DCF HRc. The fully multi-coated optics increase light transmission on cloudy days. Sharp images and true color resolution are delivered through phase corrected prisms.

DCF HRc Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

Pentax DCF NV

Another fine addition to the Pentax DCF series, the mid-size NV binocular is outfitted with everything you need to enjoy terrific views. With phase-coated roof prisms providing high resolution and contrast, and fully multi-coated lenses increasing light transmission and color quality, you won't miss any of nature's beauty. A generous eye relief and the four-position eyecups will deliver viewing comfort during a day-long outing.

DCF NV Features: Fully multi-coated, phase corrected, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Case.

Pentax DCF LV

Selected by Outdoor Life Magazine as the 2008 winner of Editor's Choice and Great Buy awards, the Pentax DCF LV earns high praise. Whether you are scanning open prairie or dense woodlands, the impressive performance of the Pentax DCF LV promises to make this binocular indispensable for daily outings. Protected for use in tough weather, the DCF LV is waterproof and fogproof.

UCF WP Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.

Papilio Features: Fully multi-coated, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter. Convergent Lens Optical System Engineering (C.L.O.S.E.). **Included:** Rainguard, neck strap, case.

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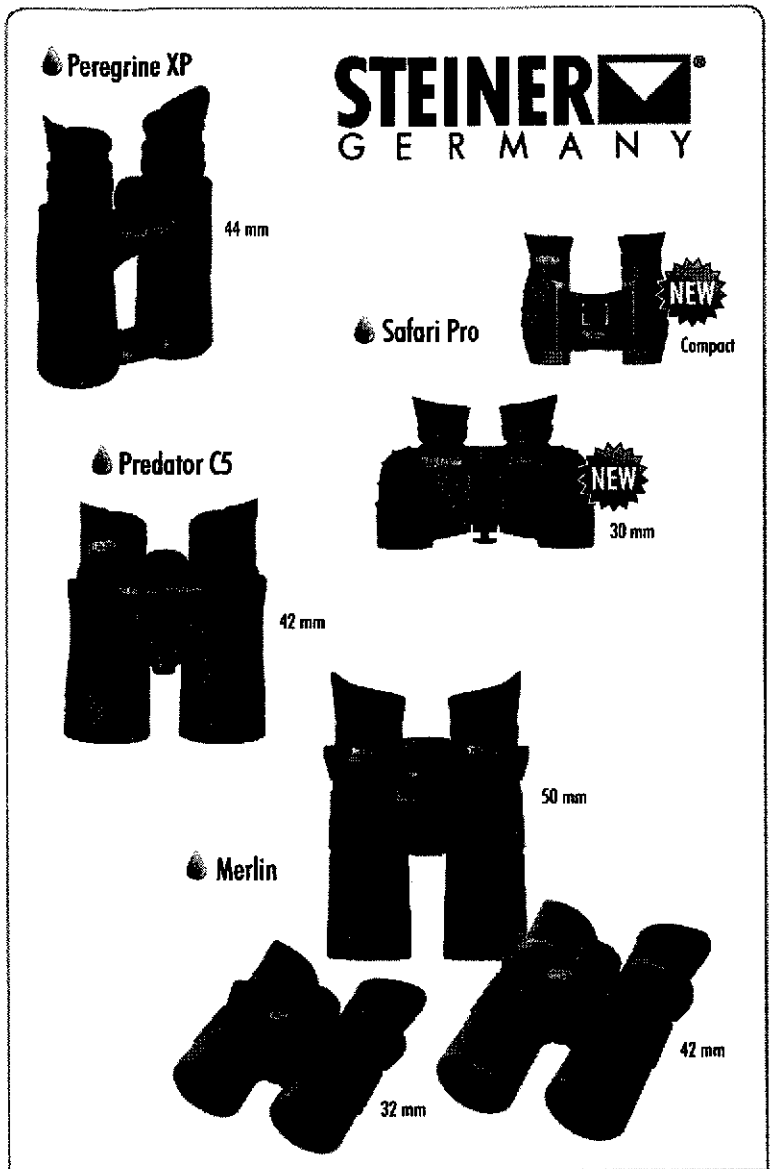
Steiner Binoculars

Steiner warranty varies with binocular model.

Peregrine XP

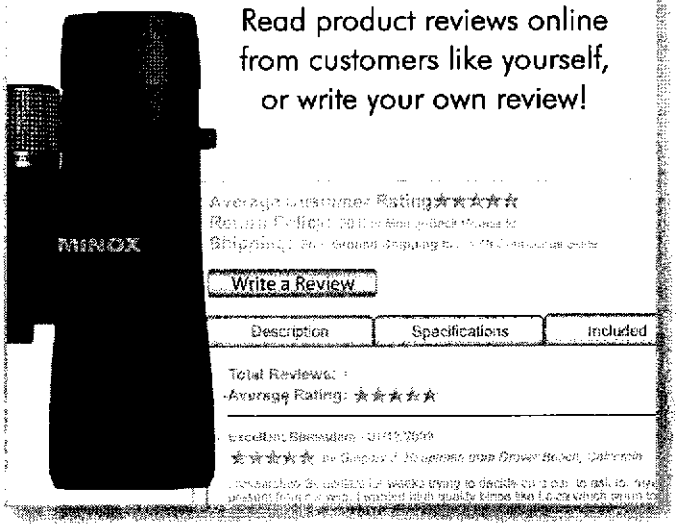
Many years of binocular know-how culminates in Steiner's top-of-the-line Peregrine XP. Packed in a lightweight magnesium body, the ergonomic body style has gel-filled grips and thumb pads for extra comfort. The smooth focus wheel needs only 1.5 turns to travel from near to infinity. High definition optics developed by Steiner result in optimal brightness, color, and contrast.

Peregrine XP Features: Fully multi-coated, phase corrected, dielectric prism coatings, magnesium body, rubber armor, eyecups roll, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, interchangeable winged eyecups, neck strap, case. Steiner 30-year limited warranty.



	Peregrine XP		Safari Pro			Predator C5		Merlin			
	8x44	10x44	8x22	10x26	8x30	10x42	12x42	8x32	8x42	10x42	10x50
Eye Relief	20 mm	20 mm	12.7 mm	12.4 mm	15.0 mm	17 mm	16 mm	15 mm	19 mm	16 mm	18 mm
Close Focus	6.5'	6.5'	10.0'	11.5'	60'	6.5'	6.5'	8.9'	6.9'	7.9'	8.0'
Field of View (1000 Yards)	390'	328'	369'	309'	360'	315'	276'	336'	342'	274'	264'
Height	7.4"	7.4"	4.0"	4.7"	2.4"	6.5"	6.5"	5.5"	6.4"	6.4"	7.3"
Width	4.5"	4.5"	4.8"	4.8"	6.8"	4.8"	4.8"	5.2"	5.2"	5.2"	5.2"
Weight	30.0 oz	30.0 oz	9.7 oz	9.7 oz	18.0 oz	26.4 oz	27.1 oz	20.0 oz	23.0 oz	24.0 oz	26.0 oz

Customer Reviews



Read product reviews online from customers like yourself, or write your own review!

Safari Pro

You will want to take the featherlight and compact Safari Pro on your next hike, but its stylish design will easily fit in at the theater. The large, center focus wheel allows for fast focusing and the unique shape feels very comfortable to the hand.

Sport lovers and nature enthusiasts will find the mid-size Safari Pro a pleasure to handle and comfortable for viewing over long periods of time. The Steiner auto-focus system allows you to focus initially at 20 yards, then stays focused from 20 yards to infinity. Soft rubber eyecups are flared and roll up and down for use with or without eyeglasses.

Safari Pro Features: Auto focus (30 mm), center focus (compacts), eyecups roll. **Included:** Neck strap, case. Steiner 10-year limited warranty.

Predator C5

Specifically developed as a tool for hunters and outdoor enthusiasts, the Predator C5 offers a high degree of light transmission, image resolution, and color contrast to make animals and other objects pop out of the shadows. The polycarbonate chassis is durable and the optics are protected with waterproofing and fogproofing.

Predator C5: Fully multi-coated, phase corrected, dielectric prism coatings, polycarbonate body, rubber armor, eyecups twist, center focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Steiner 30-year limited warranty.

Merlin Series

Steiner's focus on developing birding binoculars resulted in the popular Merlin. Along with phase corrected prisms, the Merlin's optics include premium glass with Steiner's specialized coatings for natural color transmission. The Merlin features soft, angled eyecups, generous eye relief, and are light weight for comfortable viewing over extended periods.

Merlin Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups roll, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Steiner 10-year warranty.

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Swarovski Binoculars

Swarovski limited lifetime warranty.

Swarovski EL

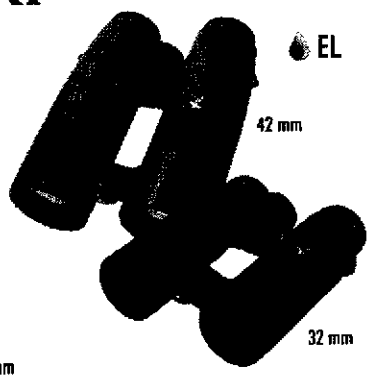
The Swarovski EL binocular sets the standard for excellence. In order to deliver 98 percent of the available light to your eyes, the EL is engineered with three-part objective lenses, phase corrected prisms, Swarobright prism coatings, and Swarotop multi-layer anti-reflection coatings. Such top-notch brightness even allows digiscoping through the binocular and is made easier with the included SnapShot Adapter. Customers love the open-hinge design, wide field of view, and convenience of the Easy To Clean external lens coating.

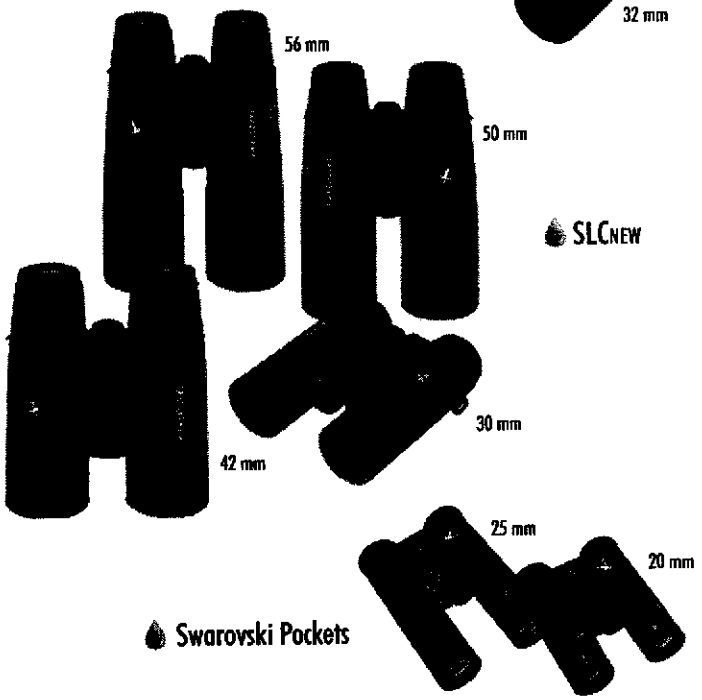
EL Features: Fully multi-coated, phase corrected, dielectric prism coatings (Swarobright), BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking diopter on center focus wheel, waterproof, fogproof (nitrogen gas), Swaroclean lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, Swarovski Snap Shot adapter.

SWAROVSKI

Swarobright® Coating

This is an innovative coating technology that, for the first time, makes it possible to selectively control reflected light in the prism system, delivering 5–10% more light in the blue/green spectrum for increased light transmission, the best contrast, sharpest resolution, and optimal color fidelity.





	EL			SLCnew							Pockets	
	8x32	10x32	8.5x42	8x30	7x42	10x42	7x50	8x50	10x50	8x56	15x56	8x20	10x25
Eye Relief	15 mm	12 mm	18 mm	15 mm	19 mm	14 mm	23 mm	21 mm	17 mm	22 mm	13 mm	13 mm	13 mm
Close Focus	7'	7'	8'	13'	13'	13'	20'	20'	16'	30'	26'	13'	16'
Field of View (1000 Yards)	420'	360'	390'	408'	420'	330'	372'	369'	336'	345'	231'	345'	285'
Height	5.4"	5.4"	6.5"	5.6"	6.5"	5.8"	7.9"	7.8"	7.7"	8.5"	8.5"	4.0"	4.6"
Width	4.5"	4.5"	4.8"	4.3"	4.8"	4.8"	5.0"	5.0"	5.0"	5.0"	5.0"	3.7"	3.7"
Weight	21.5 oz	21.2 oz	28.9 oz	28.8 oz	33.5 oz	30.7 oz	40.6 oz	40.9 oz	40.9 oz	43.7 oz	45.5 oz	7.6 oz	8.1 oz

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Leica

SWAROVSKI

ZEISS

SLCnew—

Rugged doesn't begin to describe the remarkably strong construction of the Swarovski SLC. Built for a rough and tumble lifestyle, the SLC delivers a smooth performance in any situation. A patented focusing wheel for rapid adjustments, deep thumb grooves for comfort, and top-not optical coatings for bright and sharp images all combine tc offer you a superb experience. Customers love the benefits of the Easy To Clean® external lens coating and the ability to digiscope through the included SnapShot Adapter.

SLCnew Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, locking diopter on center focus wheel, waterproof, fogproof (nitrogen gas), tripod adaptable (except 8x30). **Included:** Rainguard, tethered objective lens covers, neck strap, case, tripod adapter (15x56).

Swarovski Pockets—Absolutely rugged!

Ideal for any outdoor activity, the Swarovski Pocket binocular will quickly become a must-have accessory. This compact binocular may look delicate, but the lightweight and rugged housing paired with waterproof and fogproof protection guarantee performance regardless of the situation. Take this premium binocular along for a daylong hike or evening at the theater. A complex optical system, phase corrected prisms, and Swarobright mirror prism coatings will reward you with sharp, bright images, high resolution, and optimum color fidelity.

Swarovski Pocket Features: Fully multi-coated lenses, phase corrected, BaK-4 prisms, rubber armor (black or green) or leather trim, eyecups twist, cente focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Nec strap, case.

Vortex Binoculars

Vortex VIP unconditional lifetime warranty.

Kaibab Binocular

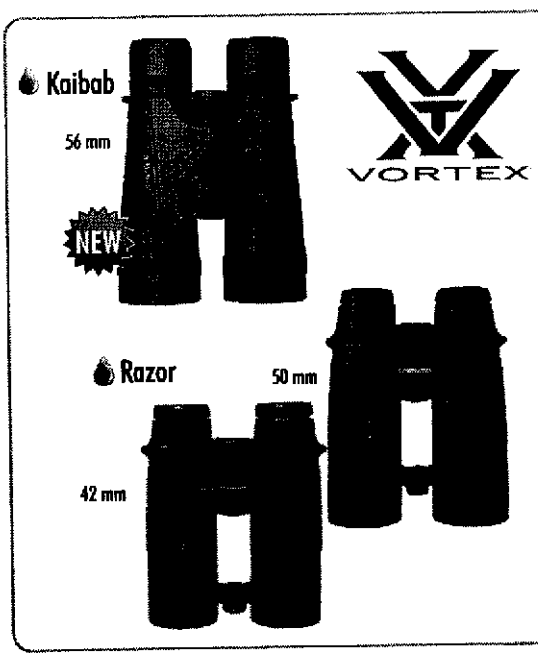
The challenge of long-distance viewing is no problem for the rugged Kaibab's powerful 15x magnification. You will appreciate the Vortex HD System that enhances image resolution through extra-low dispersion glass, brightens image details with fully multi-coated optics, and delivers a sharp image that is free of distortion.

Kaibab Features: Extra-low dispersion (XD) glass, fully multi-coated (XR coatings), phase-corrected, silver-coated prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, tripod adapter.

Razor

The Razor binocular impresses many with the top-notch performance of the Vortex HD System. The phase corrected Razor, with its patented XR multi-layer lens coatings and XD glass, delivers rich colors and vivid details, regardless of the distance. Built tough for all uses, the Razor is argon purged for reliability in extreme weather conditions. An open-hinged design allows you to completely grip both barrels and enhances the comfortably balanced ergonomics. Superior engineering and the Vortex VIP warranty guarantee the Razor will perform for generations.

Razor Features: Extra-low dispersion (XD) glass, fully multi-coated, phase corrected, silver-coated prisms, aluminum body, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek lens coating. **Included:** Rainguard, interchangeable flared eyecups, tethered objective lens covers, neck strap, case.



The Vortex HD System

XR Coatings Eliminate image-degrading reflections and deliver image details of extraordinary brightness.

XD Glass Carefully selected and precision-crafted extra-low dispersion glass enhances image resolution for true-to-life color and clarity.

XT Optical Design Virtually eliminates aberrations and provides distortion-free, flat field images with unmatched edge-to-edge accuracy.

ArmorTek Lens Armor Makes lenses harder and stronger, scratch-resistant, and stain-proof for easier cleaning of dust, dirt, and smudges.

	Kaibab	Razor				
	15x56	8x42	10x42	8.5x50	10x50	12x50
Eye Relief	17.4 mm	18.0 mm	16.0 mm	18.0 mm	17.0 mm	17.0 mm
Close Focus	23'	8.2'	8.2'	9.8'	9.8'	9.8'
Field of View (1000 Yards)	226'	410'	325'	358'	329'	274'
Height	7.7"	6.5"	6.5"	7.5"	7.5"	7.5"
Width	5.7"	5.5"	5.5"	5.8"	5.8"	5.8"
Weight	44.0 oz	29.4 oz	29.8 oz	37.0 oz	37.7 oz	37.7 oz

Viper

From the introduction of the Viper, customers have been amazed by the bright views and sharp details delivered through first-rate optical engineering—all at a reasonable price. The Viper's superior optical design incorporates XD glass and XR multi-layer coatings. Vortex's XP engineering anchors internal prisms in place and improves the Viper's ability to withstand rough use. Don't expect anything less than the best from the Vortex Viper. Fans of mid-sized binoculars are delighted that Vortex now packs the terrific performance of the award-winning 10x42 Viper into a 32 mm size.

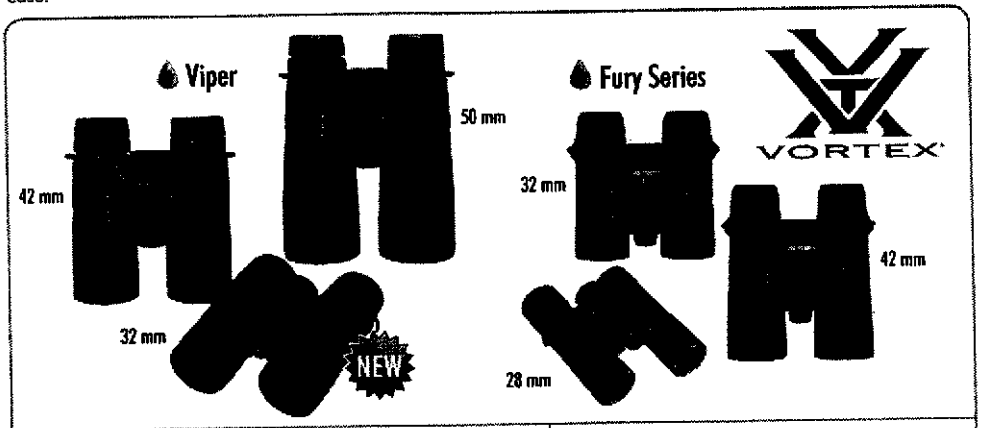
Viper Features: Extra-low dispersion (XD) glass, fully multi-coated, phase-corrected, silver-coated prisms, BaK-4 prisms, aluminum body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

2x Doubler

Add a 2x Doubler, keep the total weight of your gear low, and take in high-power views that compete with many spotting scopes. Fits on any Vortex 32mm or larger binocular.

Binocular Harness Strap

Keep your binocular from jostling around as you hike with this comfortable accessory—it spreads the weight of the binocular across your shoulders.



	Viper									Fury Series								
	6x32	8x32	10x32	8x42	10x42	12x42	8.5x50	10x50	15x50	8x28	10x28	6.5x32	8x32	10x32	8x42	10x42	12.5x42
Eye Relief	19.5 mm	16.0 mm	15.0 mm	20.0 mm	16.5 mm	15.8 mm	19.4 mm	19.5 mm	16.0 mm	20.0 mm	19.0 mm	21.0 mm	17.0 mm	15.0 mm	20.0 mm	15.0mm	14.5 mm
Close Focus	3.0'	3.0'	3.3'	5.1'	5.1'	5.1'	9.8'	8.2'	8.2'	9.7'	9.7'	4.9'	4.9'	4.9'	4.9'	4.9'	4.9'
Field of View (1000 Yards)	420'	400'	325'	347'	319'	267'	305'	278'	210'	319'	267'	436'	409'	346'	358'	332'	268'
Height	4.9"	4.9"	5.0"	5.8"	5.8"	5.8"	7.0"	6.7"	6.7"	4.7"	4.7"	5.3"	5.3"	5.5"	6.0"	6.0"	6.0"
Width	4.8"	4.8"	5.0"	5.3"	5.3"	5.3"	5.2"	5.2"	5.2"	4.5"	4.5"	5.4"	5.4"	5.4"	5.4"	5.4"	5.4"
Weight	19.4 oz	19.4 oz	19.4 oz	23.0 oz	23.4 oz	23.2 oz	28.7 oz	27.2 oz	27.2 oz	11.8 oz	12.0 oz	22.0 oz	22.0 oz	22.0 oz	25.7 oz	25.7 oz	25.7 oz

Fury

If you're looking to save on weight, but still demand excellent long-range performance, it's hard to beat a Fury. From compact to full size, the Fury series delivers a sure-fire combination of just the right size and magnification. The 42 mm Fury delivers extremely bright images at any hour. The 32 mm lets you step down in size, and the 28 mm Fury is easy to carry with just one hand

Fury Features: Fully multi-coated (XR coatings on 32 mm/42 mm), phase corrected, BaK-4 prisms (silver-coated on 32 mm/42 mm), rubber armor, multi-position eyecups, center focus, center diopter (right eye diopter on 28 mm models), tripod adaptable, waterproof, fogproof (argon gas in 32 mm/42 mm, nitrogen gas in 28 mm). **Included:** Rainguard, tethered objective lens covers (32 mm/42 mm), neck strap, case.

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"Best of the Best"

·Field & Stream Magazine 2007

The Vortex 10x42 Viper Binocular was voted America's favorite binocular by Field & Stream Magazine in 2007 See for yourself at www.eagleoptics.com

Diamondback Series

Customers quickly realized the rugged Diamondback binocular delivered an amazingly bright view at a shockingly reasonable price. In 2009, Vortex expanded the successful performance and excellent value of the Diamondback 42 mm into a full range of sizes from 28 mm to 50 mm. With the comfortably soft eyecups and ergonomically balanced design, this binocular is destined to become a classic.

Diamondback Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Crossfire

Do you want a mid-sized, bright binocular with a durable build that won't bust the budget? The Vortex Crossfire is the choice for you! The lightweight 32mm Crossfire is designed with a wide field of view and fully multi-coated optics—desirable features for reliable performance. The rubber armored and waterproof, fogproof Crossfire is built to stand up to rough use.

Crossfire Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Spitfire

Here's one great combination of small size and bright optics! Tough construction, fully multi-coated optics, and bright views make the mid-sized 32 mm Spitfire a terrific choice to keep close by for daily use. The five-foot close focus works well for butterfly and insect observation. Don't be afraid to take it on the water; the Spitfire is waterproof and fogproof.

Spitfire Features: Fully multi-coated optics, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case.

Raptor

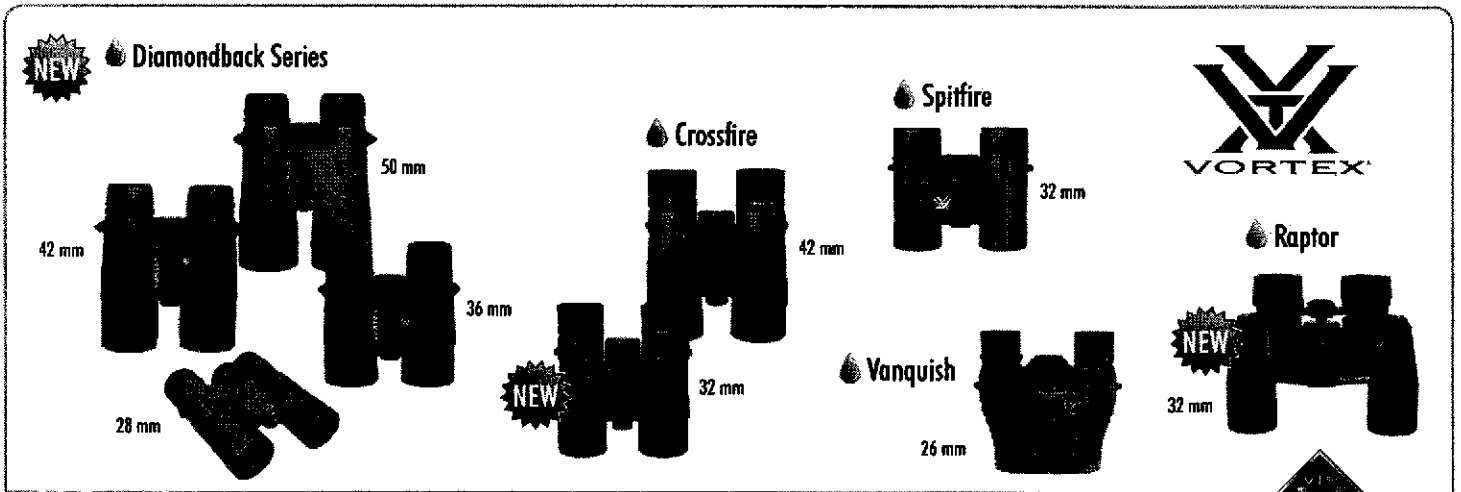
Present the young naturalist in your life with the Raptor, and you've introduced them to the gift of a lifetime. The highly-regarded porro prism Raptor delivers an exceptionally wide field of view with sharp, rich three-dimensional details. Featuring twist-up eyecups and waterproof, fogproof construction, the Raptor continues a classic tradition in a modern fashion.

Raptor Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Vanquish

Take a look through the Vanquish and prepare to relish the view. Built with reverse porro prisms and fully multi-coated optics, the Vanquish presents you with bright, three-dimensional views. Fully protected for use around the water and in temperature extremes, the Vanquish is a tough binocular —ideal for multiple uses.

Vanquish Features: Fully multi-coated, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.



	Diamondback									Crossfire				Spitfire		Raptor		Vanquish	
	8x28	10x28	7x36	9x36	8x42	10x42	8.5x50	10x50	12x50	8x32	10x32	8x42	10x42	8.5x32	10x32	6.5x32	8.5x32	8x26	10x26
Eye Relief	19.3 mm	16.0 mm	20.9 mm	15.7 mm	18.0 mm	16.0 mm	19.0 mm	19.0 mm	19.0 mm	16 mm	16 mm	19 mm	16 mm	16.0 mm	15.0 mm	20.0 mm	20.0 mm	15.0 mm	16.0 mm
Close Focus	13.1'	13.1'	5.9'	6.6'	4.5'	5.0'	9.0'	9.0'	9.0'	16.0'	16.0'	6.0'	6.0'	5.0'	5.0'	15.0'	15.0'	7.6'	7.6'
Field of View (1000 Yards)	360'	300'	418'	368'	420'	345'	283'	283'	283'	394'	315'	315'	315'	394'	289'	410'	390'	352'	294'
Height	4.8"	4.8"	5.1"	5.1"	5.9"	5.9"	6.8"	6.8"	6.9"	5.5"	5.5"	6.0"	5.8"	4.3"	4.3"	4.5"	4.5"	4.7"	4.7"
Width	4.5"	4.5"	4.8"	4.8"	5.6"	5.6"	5.6"	5.6"	5.6"	5.0"	5.0"	5.0"	5.0"	5.0"	5.1"	5.7"	5.7"	4.4"	4.4"
Weight	14.0 oz	14.0 oz	23.4 oz	22.6 oz	25.2 oz	24.4 oz	31.0 oz	31.0 oz	31.0 oz	17.4 oz	17.0 oz	22.0 oz	21.6 oz	17.2 oz	16.9 oz	17.3 oz	17.3 oz	12.7 oz	12.7 oz

Unconditional Unlimited Lifetime Warranty

Zeiss Binoculars

Zeiss limited lifetime transferable warranty.

Victory T* FL LT

Expect sensational performance from the Victory T* FL LT binocular, because this top-notch binocular delivers. The excellence of Zeiss's brightest binocular comes from superior optical quality, including Zeiss fluoride glass, patented T* anti-reflective coatings, and phase corrected Abbe-Koenig prisms. Customers greatly appreciate the one turn to infinity focusing mechanism, four position click-stop eyecups, and easy-to-clean LotuTec coating.

Victory FL Features: Fluoride glass, fully multi-coated, phase corrected, magnesium-reinforced body, rubber armor (black or green), multi-position eyecups, center focus, lacking right eye diopter, waterproof, fogproof (nitrogen gas), LotuTec lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Victory Compacts

The Victory compact puts a premium binocular from Zeiss at your fingertips. Waterproof and fogproof, the Victory B T* is ready for any outdoor adventure. After a day of hiking, slip your compact in its elegant leather case and you are ready for an evening at the theater.

Victory Compact Features: Fully multi-coated (T* coatings), phase corrected (P* coatings), dielectric prism coatings, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, leather case.

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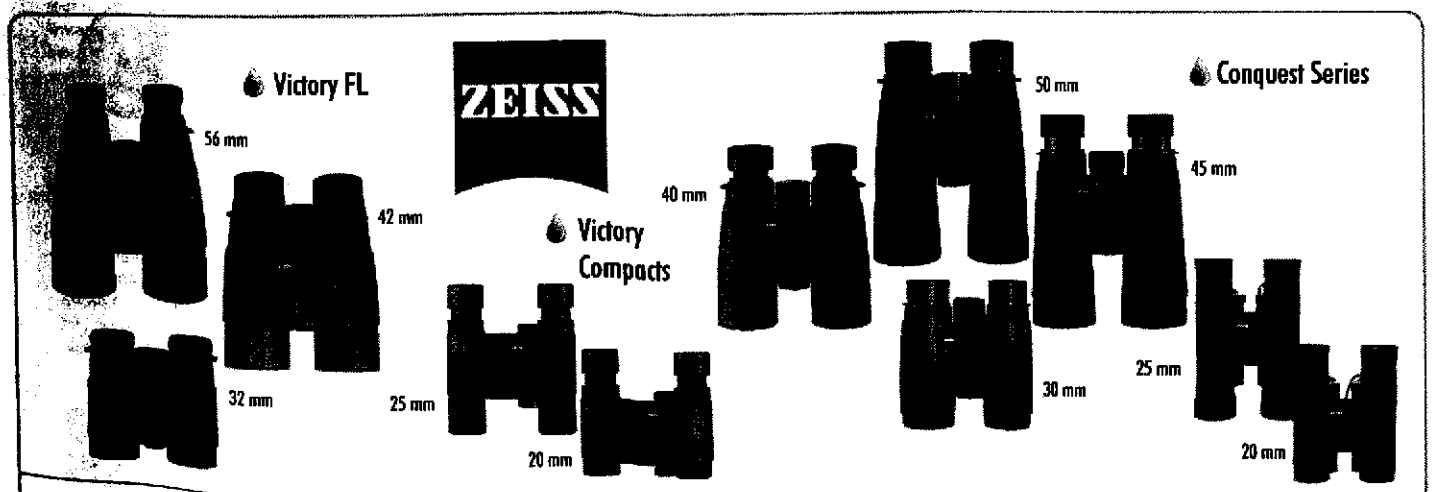
Visit Us at:
www.eagleoptics.com/hot_deals.asp

Conquest Series

The Conquest series of binoculars really shine on overcast days by delivering the brightness you expect from a European manufactured binocular. Zeiss engineers the Conquest with phase corrected prisms and anti-reflection, multi-layer coatings to enhance light transmission. Waterproof and fogproof, these mid-priced binoculars come in a wide range of sizes and magnifications—ready for any outdoor adventure.

The cell phone size of the Zeiss Conquest B T* compact is perfect to keep close at hand for unexpected encounters needing a closer look. The phase corrected Schmidt-Pechan prisms and anti-reflection multi-layer coatings combine to greatly enhance light transmission. The Conquest comes in a leather case to add extra protection outdoors or elegance to an evening activity.

Conquest (Mid and Full Sizes) Features: Phase corrected, T* multi-layer coated, Pechan prisms (40mm and 50mm use Abbe-Koenig prisms), eyecups twist, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. **Conquest (Compact) Features:** Fully multi-coated, phase corrected, rubber armor, eyecups roll, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, leather case.



	Victory FL Series							Victory Compacts		Conquest Series									
	8x32	10x32	7x42	8x42	10x42	8x56	10x56	8x20	10x25	8x20	10x25	8x30	10x30	8x40	10x40	12x45	15x45	8x50	10x50
Eye Relief	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	14 mm	14 mm	14 mm	14 mm	15 mm	15 mm	16 mm	15 mm	14.5 mm	14.5 mm	16 mm	15.5 mm
Close Focus	6.5'	6.5'	6.5'	6.5'	6.5'	9.8'	9.8'	8.5'	13.1'	9.8'	16.4'	9.8'	9.8'	9.8'	9.8'	16.4'	16.4'	10.5'	10.5'
Field of View (1000 Yards)	420'	360'	450'	405'	330'	390'	330'	351'	285'	330'	264'	360'	288'	360'	315'	240'	192'	330'	288'
Height	4.6"	4.6"	6.5"	6.8"	6.8"	7.9"	7.9"	4.0"	4.7"	4.0"	4.7"	5.6"	5.6"	5.6"	5.6"	6.8"	6.8"	7.8"	7.6"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	6.2"	6.2"	3.8"	3.8"	3.7"	3.8"	4.5"	4.5"	5.25"	4.5"	4.7"	4.7"	5.2"	5.2"
Weight	19.8 oz	19.8 oz	26.1 oz	26.6 oz	27.0 oz	43.0 oz	44.0 oz	7.9 oz	8.8 oz	6.5 oz	7.1 oz	17.5 oz	18.0 oz	29.0 oz	29.0 oz	21.3 oz	21.9 oz	32.0 oz	32.0 oz

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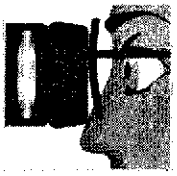
An Eagle Eye View of Optics

You'll find many choices in magnification, size, style, cost, and quality. As you consider which optics suit your needs best, note how the overall optical quality (generally indicated by price) greatly affects image details. We advise you to invest in the best optical quality you can afford.

Extended eyecups



Retracted eyecups

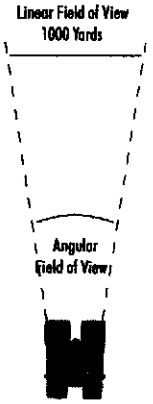
Eye Relief and Eyecup Design

For better viewing when wearing eyeglasses, fold back or twist down the eyecups.

Effective eye relief

Eye relief is the distance in millimeters between the ocular lens and where the image comes to focus and the entire field of view can be seen. If you wear eyeglasses or sunglasses while viewing through binoculars and spotting scopes, look for a minimum eye relief of 15 mm eye relief.

A wide field of view is ideal for many hobbies.



Close focus for detailed nature study

Close focus refers to the minimum distance you can clearly focus on an object. If you plan on viewing butterflies, insects, and other subjects at close range, you'll find a variety of binoculars that focus under eight feet.

Field of view

The field of view is the distance seen from left to right when looking through optics. This distance is normally measured in one of two ways: linear feet at a distance of 1000 yards or angular degrees. A wide field of view is helpful when following fast-moving action.

One Degree of Angle = 52.5 Feet at 1000 Yards

Optical Glass and Coating Quality

Glass quality

Standard grades of optical glass offer good image quality in ideal lighting conditions. For the best performance in low light situations, it is necessary to consider high grades of glass.

High-grade glass types, such as ED (Extra-low dispersion), FL (Fluoride), and HD (High-Definition), offer noticeably enhanced resolution and color fidelity.

Anti-reflection lens coatings

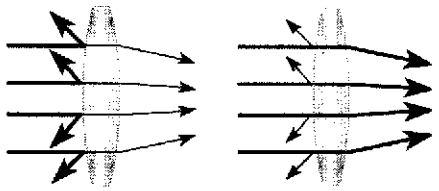
The use of anti-reflective lens coatings will make a difference in image color, resolution, and contrast by increasing the amount of light passing through the optical system. Finer optics use a greater number of higher quality coatings to increase the amount of light transmitted.

Coated optics have a single coating on at least one surface.

Multi-coated optics have multiple coatings on at least one surface.

Fully-coated optics have a single coating on all surfaces.

Fully multi-coated optics have multiple coatings on all surfaces.



Uncoated Optics Coated Optics

Anti-reflection coatings allow a greater percent of the light rays to pass through the lenses.

What does this term mean?

Aperture:
The diameter of the objective lens in millimeters.

Center Focus:
Adjusts both binocular barrels at the same time.

Diopter:
Adjusts for differences in a user's eyes. Usually located on right eyepiece or focus wheel.

Fogproof:
Barrels are filled with nitrogen or argon gas to inhibit internal fogging.

Interpupillary Distance (IPD):
This is the distance between the centers of the left and right eye pupil. To get a correct IPD, adjust the position of the binocular barrels until you see one image.

Light Transmission:
An indication of how much light passes through the optical system, or how efficiently it transmits to the eye.

Phase Correction:
This is a set of coatings on the prism glass that keeps light in correct color phases. These coatings are only needed on roof prisms to enhance resolution, contrast, and color fidelity.

Resolution:
How well an optical system distinguishes fine details.

Waterproof:
Optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside an optical system.

Magnification

As magnification increases, eye relief, field of view, and brightness often diminish and images may shake.

Viewed without Optics

Viewed with Optics

Binoculars

The first number (8 x 42) refers to the magnification, or how many times larger an object will appear. An 8x or 10x binocular is considered adequate for a variety of situations.

Spotting Scopes

The first numbers (20–60 x 80 or 30 x 80) refer to the magnification, or how many times larger an object will appear.

Fixed magnification eyepieces are appreciated for their wide fields of view.

Zoom magnification eyepieces are popular because of their versatility.

Objective lenses

The objective lens is the lens at the end of a binocular or spotting scope that is farthest from your eyes.

The objective lens determines how much light the binocular or spotting scope can receive and how bright the resulting image will be. The objective lens size also affects overall equipment size.

Large Size
Long-range observation, day or night.

Full Size
Birding, nature study, general use.

Mid Size
General day use, travel.

Compact Size
Hiking, travel, backpacking.

Binoculars
The second number (8 x 42) refers to the diameter of the objective lens in millimeters. Objective lenses typically vary in size from 15 mm–80 mm.

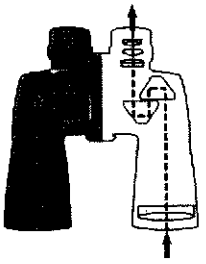
Spotting Scopes
The last number (20–60 x 80) refers to the diameter of the objective lens in millimeters. Objective lenses typically vary in size from 40 mm–100 mm.

Prisms

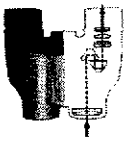
Porro Prism Design
Named after their Italian designer, porro prism binoculars are characterized by objective lenses more widely spaced than the eyepieces. Porro prisms generally offer a rich depth of field, wide field of view, and three-dimensional image.

Reverse Porro Prism Design
Compact binoculars often have reverse porro prisms, with eyepieces closer than the objective lenses.

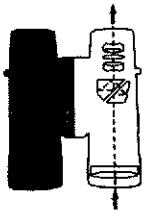
Roof Prism Design
Named for the roof-like appearance of the prisms, roof prism binoculars have the eyepieces and objective lenses positioned in a straight line. Roof prism binoculars are appreciated for their streamlined shape and durability.



Porro Prism



Reverse Porro Prism

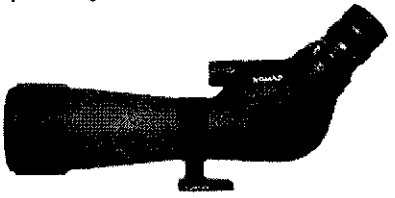


Roof Prism

Spotting scope body design

Straight body
Is favored by users because it works well for viewing downward from elevated platforms, such as decks and patios.

Angled body
Is favored by users of different heights for viewing without adjusting the tripod height as frequently. The angled design works well when viewing at an upward angle.



Exit Pupil

The exit pupil is the beam of light that exits each eyepiece and enters the user's eyes. The exit pupil is measured in millimeters. To calculate the exit pupil, divide the size of the objective lens in millimeters by the magnification.

$$\text{Exit Pupil} = \frac{\text{Objective Lens}}{\text{Magnification}}$$

8x25 Binoculars
Exit Pupil = 3.125 mm

7x50 Binoculars
Exit Pupil = 7.14 mm

The exit pupil is seen as a white circle in the eyepiece.

Binoculars for low light conditions

A person's dilated pupil is usually around 5 mm. As we age, the iris dilates less. The larger the exit pupil of the binocular, the brighter the image will appear in low light conditions.

Optics for Your Activity

Eagle Optics offers a variety of binoculars, monoculars, and spotting scopes to meet a wide range of activities. Here are some suggestions for choosing binoculars:

Astronomy: Objective lens size 50 mm and larger

Birding: Magnification of 7x to 10x

Boating: Waterproof, large objective lens

Butterfly Watching: Close focus under eight feet

Hiking and Travel: Compact, waterproof, rubber armored

Kids: Compact to mid-size with narrow interpupillary distance (IPD)

Spectator Sports: Wide field of view, magnification of 6x to 8x

Email: info@eagleoptics.com
Call: 1-800-289-1132

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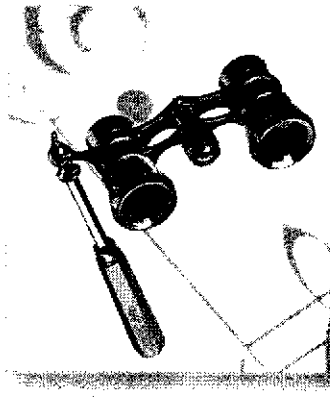
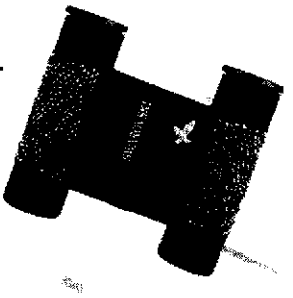


Theater Glasses

You won't miss a note with one of our theater glasses. Choices include:

- Built-in program light
- Adjustable handle
- Variety of colors
- Crystal wrapped barrels



Vortex Solo Monocular

You won't want to leave home without the viewing power of this 5.6 ounce monocular in your pack—redesigned for 2009

8x25 Solo

Solo Features: Fully multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Vortex VIP unconditional lifetime warranty.

Brunton Macroscope™

Bring details to life from 18 inches to infinity with an easy turn of the focus dial!

7x40 Macroscope

Macroscope 7x40 Features: Fully multi-coated, BaK-4 prisms, aluminum body, rubber armor, eyecup twists, tripod adaptable.

Minox Minoscope

Travel the world with the Minoscope and revel in all the bright details!

Minoscope 8x25 Features: Multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Strap, case.

8x25 Minoscope

Brunton Echo Zoom Monocular

Keep this small zoom monocular handy and ready to use anytime.

Echo 10–30x21 Features: Fully multi-coated, BaK-4 prisms, eyecup rolls, waterproof, fogproof (nitrogen gas).

Echo 10–30x21

Vixen H 5–15x17 Monocular

Just like with a loupe, you'll focus in on details less than eight inches away with this zoom's range of power.

H 5–15x17 Features: Multi-coated optics, eyecup rolls. **Included:** Strap, case.

H 5–15x17

Eagle Optics Insight Monocular

The Insight offers a wide field of view and makes locating birds and wildlife easy.

Insight 7x18 Color Choices: Bluebird blue, Cardinal red, Goldfinch yellow, Warbler green, Metallic finish. **Included:** Strap, soft pouch with belt-loop attachment.

7x18 Insight in five bright colors!

Minox 16 mm Monoculars

German engineers designed the slide lever focus so you can view and focus with just one hand. The 6x16 also comes with a built-in altitude meter (6x16A).

Minox Features: Multi-coated optics. **Included:** Strap, case.

6x16

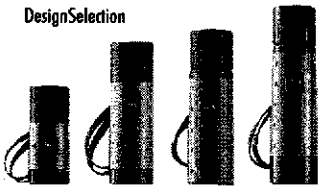
6x16A Altitude Meter

Zeiss Design Selection Monoculars

These monoculars combine sophisticated style with sure-fire mechanical and optical precision.

4x12: A magnificent magnifier. Draw tube focus.
6x18: Good perspective with a 366-foot field of view. Draw tube focus.
8x20: Ideal for travelers, sports and cultural events.
10x25: Effective tool for orienting yourself to distant landmarks or nearby views.
DesignSelection Features: Zeiss P* and T* coatings, eyecup rolls. **Included:** Strap, case.

DesignSelection



4x12 6x18 8x20 10x25

Zeiss Conquest Mini Quick Monocular

No larger than a fountain pen—weighs less than a pocketknife. Great for gifts!

Conquest Mini Quick 5x10 Features: T*multi-coatings, leather pouch, built-in pocket clip.

5x10 Conquest

	Brunton Macroscope		Eagle Optics Insight	Minox			Vixen	Vortex Solo		Zeiss Design Selection				Zeiss Conquest
	10-30x21	7x40	7x18	Minoscope	6x16	8x16	5–15x17	8x25	10x25	4x12	6x18	8x20	10x25	5x10
Eye Relief	12 mm	15 mm	8 mm	12 mm	14 mm	14mm	13-9 mm	15.0 mm	14.5 mm	16 mm	16 mm	16 mm	16 mm	16 mm
Close Focus	10'	15'	8'	12'	5'	5'	7'	16.4'	16.4'	1'	1'	9.8'	16.4'	13.1'
Field of View (1000 Yards)	178-110'	336'	470'	342'	420'	368'	289–168'	378'	315'	552'	366'	345'	285'	300'
Length	4.3"	6.5"	3.0"	3.6"	3.2"	3.2"	3.8"	5.7"	5.7"	2.8"	3.7"	4.0"	4.6"	4.5"
Width	1.3"	2.6"	1.0"	2.2"	1.3"	1.3"	1.3"	1.8"	1.8"	1.1"	1.1"	1.2"	1.5"	0.6"
Weight	3.2 oz	11.3 oz	1.8 oz	5.3 oz	3.7 oz	3.7 oz	3.5 oz	5.6 oz	5.6 oz	1.6 oz	2.0 oz	2.7 oz	3.1 oz	.8 oz

Bushnell Spotting Scopes

•Bushnell limited lifetime warranty.

Elite 80 mm ED

Terrific performance at a moderate price describes Bushnell's 80 mm Elite ED spotting scope. The extra-low dispersion (ED) glass delivers impressive image resolution and contrast. Waterproofing and fogproofing protect the internal optics from a variety of weather, and Bushnell's permanent Rainguard lens coating works to decrease the effect of rain on external lenses. These benefits guarantee this customer-favorite from Bushnell performs well in whatever situation comes its way.

Elite ED Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, rubber armor, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Rainguard HD lens coating. **Included:** View-through case, eyepiece cap, objective lens cover. Straight or angled body with 20-60x eyepiece.

Legend Ultra HD

Capture all the details of the moment through the razor-sharp views of the Legend Ultra HD 80 mm spotting scope—also available in a convenient, compact 50 mm design. Priced for the budget-minded, you will still enjoy the precise optical performance of extra-low dispersion glass and the bright images through the fully multi-coated optics. No need to take it easy while in the field; the Legend Ultra HD is waterproof, fogproof, and rubber armored.

Legend Ultra HD Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, rubber armor, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Rainguard HD lens coating. **Included:** View-through case, eyepiece cap, objective lens cover. Straight or angled body with zoom eyepiece.

Spacemaster Kit

A familiar classic, the Spacemaster continues its popularity with the explorer who needs to travel light. The kit includes a compact tripod and backpack case—accessories that make it ready for the road. Bushnell's Rainguard protection repels moisture for clear views when a shower passes by.

Spacemaster Features: Fully multi-coated, BaK-4 prism, rubber armor, sunshade, waterproof, fogproof (nitrogen gas), Rainguard HD lens coating. **Included:** Backpack case, eyepiece cap, objective lens cover, lightweight tripod. Straight body with zoom eyepiece.

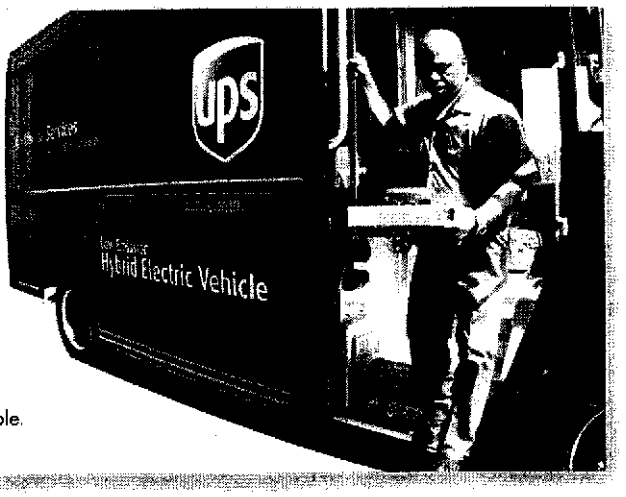
Natureview

Just as its name implies, the Natureview spotting scope lets you zoom in on wildlife in your backyard or on the trail. The streamlined design, smooth rubber armor, and light weight of the Natureview makes handling effortless. Take this scope on all your outings for great views through the fully-coated optics.

Free Shipping*

Eagle Optic's way of saying "Thanks for your business" with free UPS ground shipping!

*Only applies to shipping in the continental United States where UPS Ground deliveries are available.



Bushnell Rainguard® Protection
The Rainguard lens coating repels water and residue on outer glass surfaces.

Easy rotation of scope body
An angled body makes sharing views with children so easy. Instead of changing the height of the tripod, simply rotate the scope body so that the eyepiece faces downward. Also helpful when using a car window mount.

	Elite ED	Legend Ultra HD		Spacemaster	Natureview
	80 mm	50 mm	80 mm	60 mm	60 mm
Eyepiece	20–60x	12-36x	20–60x	20–45x	15–45x
Eye Relief	18 mm	17 mm	18 mm	18 mm	32 mm
Field of View (1000 Yards)	98–50'	179–90'	110–51'	90–30'	150–38'
Close Focus	15'	15'	35'	30'	30'
Weight	53.0 oz	36.3 oz	80.1 oz	43.0 oz	29.0 oz
Length	17"	9.8"	16.5"	12.7"	14.0"

Natureview Features: Fully coated, BaK-4 prisms, rubber armor, sunshade. **Included:** Case, eyepiece cap, objective lens cover, camera adapter. Straight body with built-in zoom.

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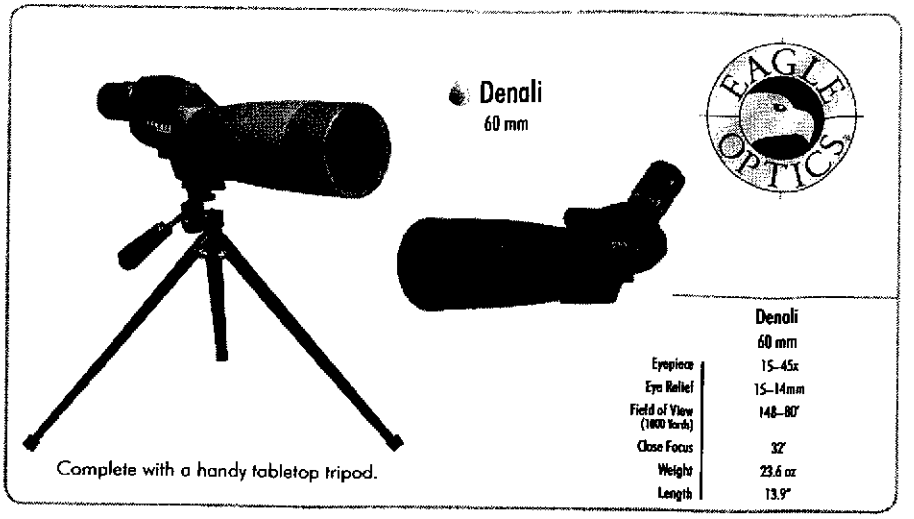
Eagle Optics Spotting Scopes

Eagle Optics Platinum Protection lifetime warranty.

Denali

Ready to take on a long hike or out to the local park, the lightweight and economical Eagle Optics Denali is a terrific choice. This waterproof and fogproof scope weathers the wet weather and temperature extremes nature throws your way. The great details gathered with the 15–45 zoom eyepiece are only made better and brighter through the multi-coated lenses. The Denali comes with a handy tabletop tripod and protective view-through case. Try it—you will like it!

Denali Features: Fully multi-coated, BaK-4 prisms, polycarbonate body, sunshade, rotating tripod ring. **Included:** View-through case, threaded eyepiece and objective lens covers. Straight or angled body with built-in zoom eyepiece.



Complete with a handy tabletop tripod.

	Denali 60 mm
Eyepiece	15–45x
Eye Relief	15–14mm
Field of View (1000 Yards)	148–80'
Close Focus	32'
Weight	23.6 oz
Length	13.9"

Caring For Our World...

Eagle Optics is making a difference!

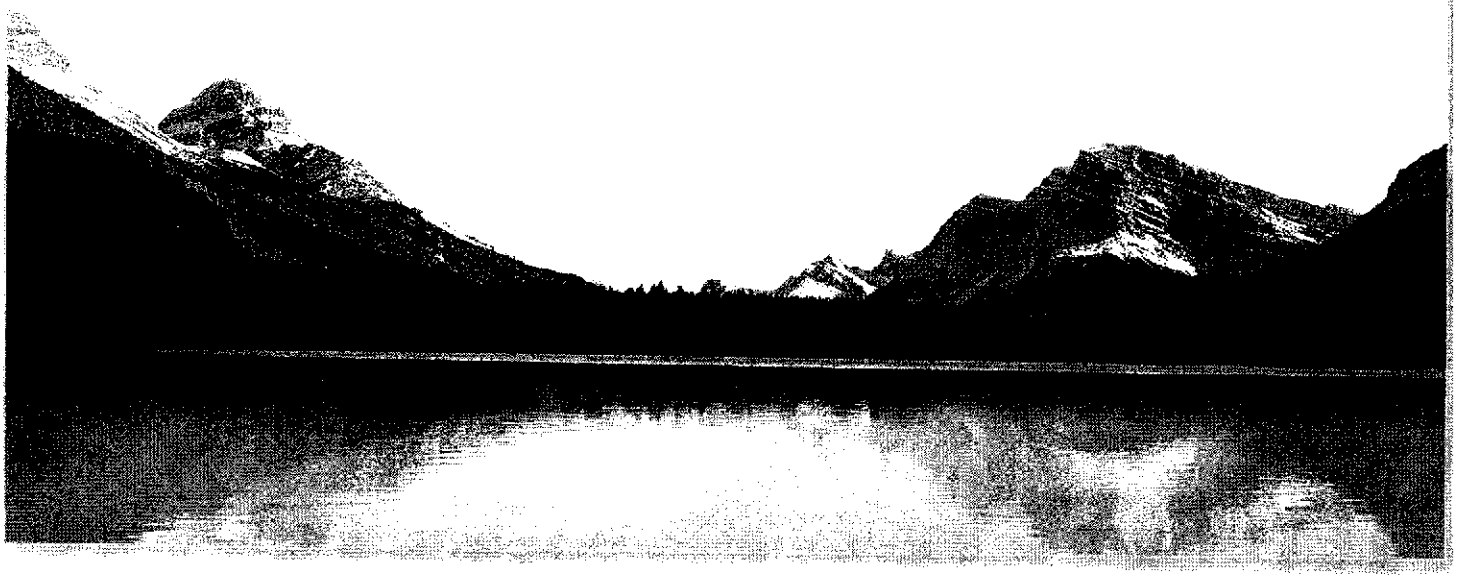
For over 20 years Eagle Optics has generously donated to conservation groups that care for and expand habitat conservation for birds and wildlife. These are just a few of the groups Eagle Optics sponsors:

Operation Migration
Optics for the Tropics
World Birding Center
Midwest Birding Symposium
Hawk Watch International
ABA Birder's Exchange Program
Cornell Lab of Ornithology
Ducks Unlimited

Fish & Wildlife Service
Golden Gate Raptor Observatory
Gulf Coast Bird Observatory
Hawk Ridge Bird Observatory
International Bird Rescue Research Center
International Crane Foundation
International Migratory Bird Day
Klamath Bird Observatory

National Audubon Society
(plus many local chapters)
Natural Heritage Land Fund
North America Natural Resources & Wildlife
North American Butterfly Association
Point Reyes Bird Observatory
Pronatura Veracruz
Rocky Mountain Bird Observatory

San Francisco Nature Education
Saving Birds Thru Habitat
Texas Parks and Wildlife
Trust for Public Land
Urban Ecology Center
Ventana Wildlife Society
Wildlife Habitat Council
Plus numerous State Ornithological Societies



Kowa Spotting Scopes

Kowa limited lifetime warranty.

TSN Prominar Series

Prominar spotting scopes from Kowa kick up the performance level and viewing experience by using an XD objective lens with low-dispersion properties to diminish chromatic aberration. The 66 mm and 77 mm lens sizes offer light-gathering power for long distances and low-light settings, yet keep the size at an easy-to-carry weight. Kowa engineers offset the length and weight associated with a large objective lens by incorporating an inner focus system and a magnesium alloy body. With the eyepiece locking mechanism, the eyepiece securely attaches to the body and reduces the risk of loss.

TSN 88 mm Prominar

With the 88 mm Prominar spotting scope, Kowa takes image quality to the max by incorporating fluorite crystal lenses to enhance resolution, color, and contrast. Combined with the light-gathering power of the 88 mm objective lens, this Kowa Prominar delivers the ultimate viewing experience!

TSN Prominar Features: Extra-low dispersion (XD) glass, fully multi-coated, BaK-4 prisms, dual focus (77 mm and 88 mm), magnesium alloy body, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cap. Straight or angled body. Eyepieces sold separately.

TSN Standard Series

Take your pick from the lightweight size of the 60 mm or 66 mm scopes with standard glass. Both have long set a lofty performance bar. You will gather all the important details through Kowa's fully multi-coated optics which deliver beautifully bright, clear, and sharp images.

TSN Standard Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cap. Straight or angled body. Eyepieces sold separately.

Kowa DA-10 Digiscoping Adapter

Move beyond viewing to capturing digital images with your Kowa spotting scope. Specifically designed for use with digital cameras using filter threads, the compact Kowa DA-10 adapter fits on any of the TSN 77 mm or TSN 88 mm spotting scopes. Call Eagle Optics or check our website for complete details.

TSN 82SV

Kowa continues the legendary performance of the TSN-821M spotting scope with the updated TSN-82SV. Designed to accept eyepieces fitting the Kowa 60/66 mm spotting scopes, you can now choose from magnifications of 26x, 32x, and 27x. With the variety of eyepiece choices and its bright optical performance, the TSN 82SV carries on the tradition of enjoyable performance at a pleasing price.

TSN 82SV Features: Fully multi-coated, BaK-4 prisms, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cover. Accepts the Kowa 60/66 mm eyepieces.

	TSN 82SV 82 mm			TSN 88 mm Series 88 mm			TSN 77 mm Series 77 mm			TSN 660 mm Series 66 mm		
Eyepiece	27x LER	32x WA	21–63x	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x
Eye Relief	32 mm	20 mm	16.5–16.0 mm	32 mm	20 mm	17.0–16.5 mm	32 mm	20 mm	17.0–16.5 mm	32 mm	20 mm	16.5–16.0 mm
Field of View (1000 Yards)	105'	114'	93–51'	110'	128'	115–55'	110'	128'	115–55'	110'	126'	97–53'
Close Focus	20.0'	(Kowa's 60/66 mm eyepiece).		16.4'			16.4'			20.0'		
Weight	52.5 oz			54.7 oz			49.6 oz			36.0 oz		
Length	15.1"			13.0"			12.0"			12.0"		

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Leica Spotting Scopes

Leica limited lifetime warranty plus Leica's 3-year Passport Protection Plan.

Televid APO

Good things come to those who wait—Leica now rewards its customers with the Televid APO spotting scope. Starting with a six percent increase in light yield, the result is a distinctively clear image even while viewing in low-light conditions. The four-part objective lens maximizes color fidelity and resolution. Leica's protective layer of AquaDura guarantees the beautiful images will not be diminished by annoying fingerprints, dirt, or rain.

Televid Digital Camera Adapter 3

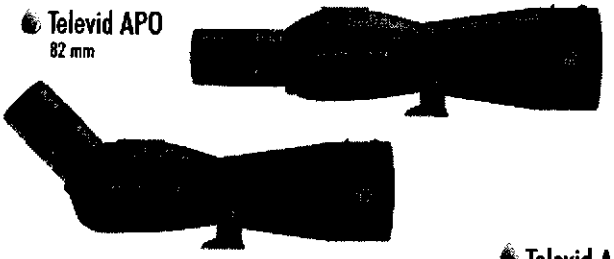
Leica's camera adapter securely holds most digital point-and-shoot cameras to the Televid's eyepiece to capture photographic details not available with a camera's normal zoom magnification. Designed for either the 65 mm or 82 mm Televid models.

Televid 25–50x Eyepiece

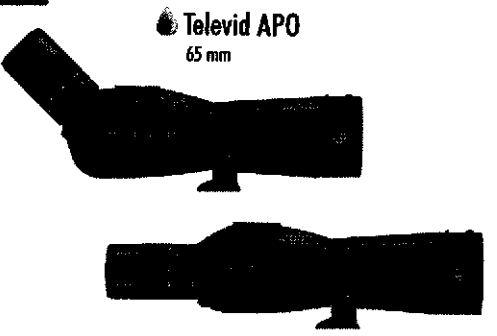
Prepare for a new viewing experience when you lock this eyepiece on the Televid APO. A redesigned optical system means the superb wide-angle and variable zoom magnification provided by the eyepiece remains the same on the 65 mm and 82 mm scope. The eyepiece is constructed with a comfortable adjustable eyecup and rubberized elements for easy handling.

Leica AquaDura™ Coating

A new development from Leica, the AquaDura coating reduces fogging and allows moisture droplets and dirt to simply roll off the lenses. This ensures clear visibility through every Televid spotting scope—even in the wind and rain.



Televid APO
82 mm



Televid APO
65 mm

	Televid 65 mm	Televid 82 mm
Eyepiece	25–50x	25–50x
Eye Relief	19 mm	19 mm
Field of View (1000 Yards)	134–92'	134–92'
Close Focus	9.8'	12.8'
Weight	38.8 oz	47.7 oz
Length	11.8"	12.8"

Televid APO Features: Fluoride glass, fully multi-coated, BaK-4 prisms, dual focus, magnesium body, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), AquaDura lens coating. **Included:** Eyepiece cap and case, objective lens cover. Straight or angled body.

Leupold Spotting Scopes

Leupold warranty varies with model.

Golden Ring 12–40x60 Spotting Scope

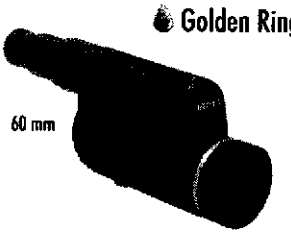
Key to the popularity of Leupold Golden Ring spotting scopes is the absolute ruggedness and lightweight construction. This compact line of scopes is perfect for lovers of the outdoors who can't be slowed down by heavy equipment. The dark brown rubber armoring protects the internal optics.

Golden Ring Features: High-definition glass (HD models), fully multi-coated, rubber armor, eyecup rolls, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Standard or HD glass. Leupold full lifetime warranty.

Sequoia Spotting Scopes

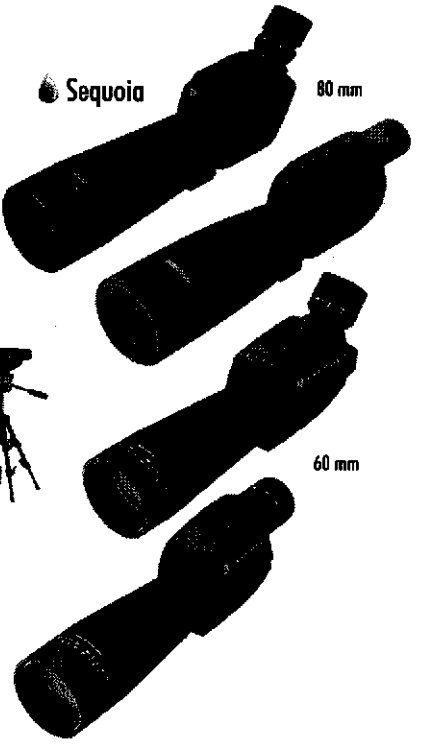
Choose the Leupold Sequoia spotting scope for your next trip out west or to the local refuge. Durable construction is encased in strong rubber armoring, and waterproofing protects the optics from an unexpected shower. The Sequoia has fully multi-coated optics to ensure optimal light transmission.

Sequoia Features: Fully multi-coated, rubber armor, eyecup twists, sunshade, waterproof, fogproof (nitrogen gas). **Included:** Case, threaded eyepiece cover, objective lens cap. Leupold limited lifetime warranty.



Golden Ring
60 mm

The Golden Ring Kit includes a view-through case, hard storage case, eyepiece and objective lens caps, shoulder strap, compact tripod, car window mount.

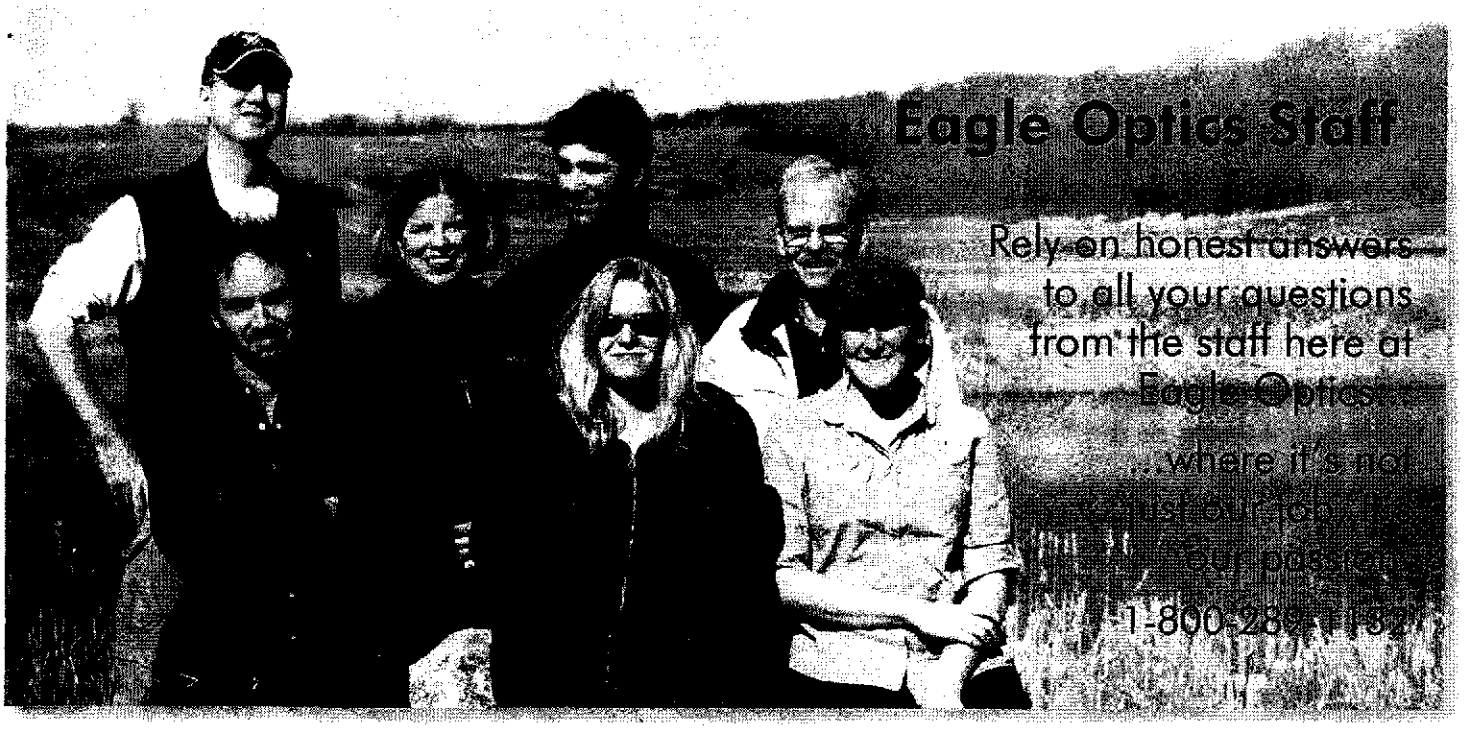


Sequoia
80 mm

60 mm

The Sequoia kits include a scope cover, hard storage case, threaded eyepiece cover, objective lens cap, tabletop tripod. Straight or angled body with 60 mm or 80 mm objective lens.

	Golden Ring 60 mm	Sequoia 60 mm	Sequoia 80 mm
Eyepiece	12–40x	15–45x	20–60x
Eye Relief	30 mm	16.5–13 mm	19.9–15 mm
Field of View (1000 Yards)	168–52'	131–63'	99.6–33'
Close Focus	36'	30'	30'
Weight	37 oz	35.1 oz	62.8 oz
Length	12.4"	13.0"	15.9"



Meopta Spotting Scopes

Meopta 10-year limited warranty.

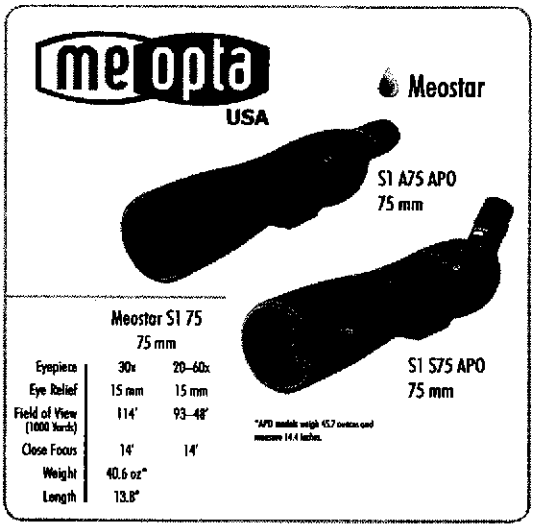
Meostar S1 75

Built upon a long tradition of optical excellence, the Meostar lives up to the company's motto, "A better view of the world". With a 75 mm objective lens, the Meostar gives you the best of both worlds—good light gathering capability and a weight of around only 40.5 ounces. The rugged aluminum alloy, carbon fiber body and the waterproof, fogproof optics provide long-lasting protection. In order to boost the light transmission, the Meostar S1 has fully multi-coated lenses. The phase-corrected roof prism optimizes the extra light and adds image clarity and color resolution to those fine details.

Meostar Sl S75 APO

For just a little more money, you can receive the benefit of apochromatic (APO) glass in your Meostar scope. The premium-grade fluorite glass provides ultimate light transmission, image clarity, and color resolution for superior image quality.

Meostar S1 75 Features: Fully multi-coated, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Objective lens caps. Straight or angled body with standard or APO glass. Eyepieces sold separately.



Meostar S1 75
75 mm

Eyepiece	30x	20–60x
Eye Relief	15 mm	15 mm
Field of View (1000 Yards)	114'	93–48'
Close Focus	14'	14'
Weight	40.6 oz*	
Length	13.8"	

*APO models weigh 45.7 ounces and measure 14.4 inches.

Minox Spotting Scopes

Minox 5-year limited warranty.

MD 62 mm
62 mm

Eyepiece	22x	30x	40x	20–45x	21–42x
Eye Relief	11 mm	19.5 mm	16 mm	TBD	20–22 mm
Field of View (1000 Yards)	158'	115.5'	63'	89–58'	89.5–68.5'
Close Focus	16'				
Weight	31.5 oz*				
Length	12.9"				

*Weight listed for ED model only. Additional weight of eyepieces varies.

Minox MD ED

Use the MD 62 mm ED and enjoy such close-up views, you may think you can reach out and touch your subject! With the 16 foot close focus, you can scope in your backyard. The sturdy metal body protects this mid-sized scope, yet the body is a lightweight 31.5 ounces. Fully multi-coated optics allow for increased light transmission under low-light conditions.

Minox MD 62 mm Eyepieces

Minox offers a variety of fixed and zoom eyepieces to work with its 62 mm spotting scope. Zoom eyepieces offer you a variety of magnifications, while fixed magnification eyepieces offer a wider field of view. Customize the scope to your optical needs by selecting the eyepiece that fits your activity.

MD Features: Extra-low dispersion glass (ED models), fully multi-coated, metal body, rubber armor, eyecup twists, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case. Straight or angled body with standard or ED glass. Eyepieces sold separately.

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Nikon Spotting Scopes

Nikon 25-year limited warranty, plus a No-Fault Repair or Replacement Policy.

ED Fieldscopes

Nikon Fieldscopes ace the class when it comes to size, performance, and value. Perfectly sized, this petite 50 mm spotting scope tops the list for an excellent performer when size matters. The 25-75x82 Fieldscope offers tremendous magnification and monstrous light-gathering power. But if your spotting scope needs fall in between the small but mighty 50 mm and the vast range of the 82 mm, Nikon's 20-60x60 scope is the answer. Incorporated in all of these Fieldscopes is Nikon's ED glass to deliver distinctive edge-to-edge sharpness with first-rate detail and color resolution. Adding to the overall image quality, the precisely cut and polished glass is fully multi-coated to allow for optimal light transmission.

Fieldscope Features: Extra-low dispersion (ED) glass, fully multi-coated, eyecup twists, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Straight or angled body with zoom eyepiece.

EDG

Never afraid to chart new territory, Nikon engineers take the Fieldscope performance to new levels with the EDG. With the same ED glass lenses found on the successful EDG binocular, the EDG spotting scope rewards you with superior sharpness and color correction for top-notch resolution. Precisely cut and polished glass is fully multi-coated for brilliant views. The tough, yet lightweight body is waterproof, fogproof, and ready for any adventure.

Nikon's EDG eyepieces deliver unbelievable colors and bright, high-contrast images—ideal for close study.

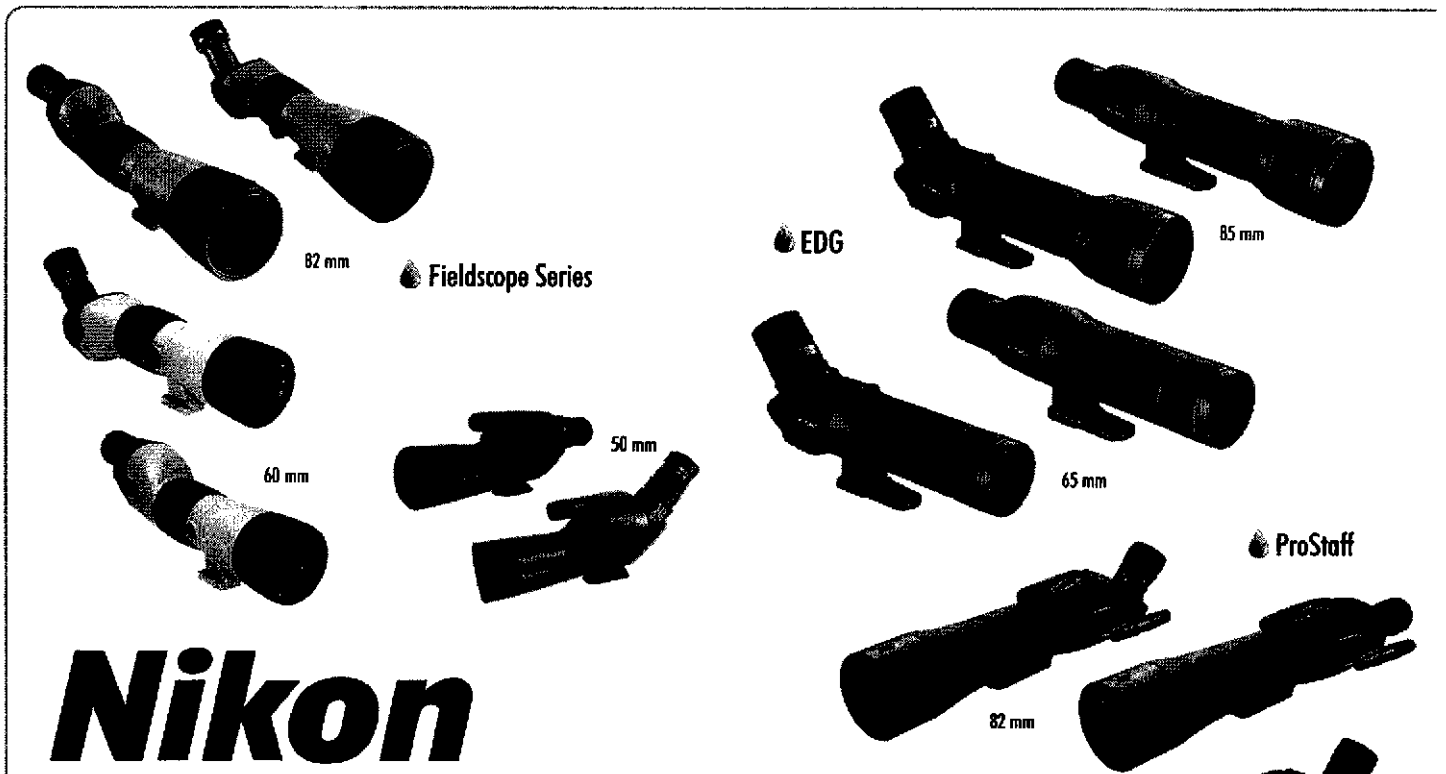
EDG Spotting Scope Features: Extra-low dispersion (ED) glass, fully multi-coated, rubber armor, eyecup twists, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps. Straight or angled body with 65 mm or 85 mm objective lens.

ProStaff

See for yourself why customers say, "Wow" when they first look through the Prostaff. Describing the view as bright doesn't do the Prostaff justice. Nikon uses lead and arsenic-free Eco-Glass for high resolution images and fully multi-coated optics for increased light transmission. With the magnifications offered by the 20-60x zoom eyepiece, the 82 mm objective lens gathers plenty of light in the forest and delivers distant details on the plains. Cut weight, but not performance, and carry the lightweight 65 mm ProStaff. Both sizes are built tough to handle rugged situations.

Prostaff Features: Multi-coated optics, BaK-4 prisms, eyecup twists, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Straight or angled body with zoom eyepiece.

Prostaff Outfits: Outfit includes a straight, black ProStaff spotting scope body, zoom eyepiece, view-through cam case, and a full-size tripod. 65 mm or 82 mm (82 mm also available in Realtree camouflage).



EDG Series

	85 mm			65 mm		
Eyepiece	20–60x	25x	30x	16–48x	20x	24x
Eye Relief	18.4–16.5 mm	32.3 mm	25.4 mm	18.4–16.5 mm	32.3 mm	25.4 mm
Field of View (1000 Yards)	115.5–57.8'	126.0'	126.0'	147.0–73.5'	157.5'	157.5'
Eyepiece Item #						
Close Focus	16.4'			10.8'		
Weight	71.6 oz			57.9 oz		
Length	18.8"			16.2"		

Fieldscope ED Series

82 mm	60 mm	50 mm
25–75x	20–60x	13–30x
14.1 mm	14.1 mm	12.9 mm
84'	105'	157.5'
#7467	#7467	#7466
16.4'	16.4'	9.8'
64.2 oz*	43.7 oz*	21.9 oz*
13.3"	10.9"	8.1"

*Weight for angled body with zoom.

Prostaff Series

82 mm	65 mm
20–60X	16–48x
15-13.6 mm	15-13.6 mm
99-49.9'	126-62'
#8323	#8323
20.0'	13.1'
43.2 oz	32.8 oz
15.0"	11.5"

Pentax Spotting Scopes

Pentax Worry-Free lifetime warranty.

Pentax PF ED

Pentax's popular line of spotting scopes offers high performance at an affordable price. Housed in a lightweight magnesium-alloy body, the Pentax ED offers optimum optical resolution by incorporating extra-low dispersion (ED) glass. With fully multi-coated lenses, light transmission is maximized for clarity and contrast of details.

The PF-80 ED gathers a great amount of light to provide you with details of shorebirds or big game. When you want the optical excellence of Pentax in a portable package, the PF-65 ED II is the size for you. All of these scopes are available with or without a zoom eyepiece and will accept a variety of 1.25 inch astronomical eyepieces.

PF-80 ED and PF-65 ED II Features: Extra-low disperson (ED) glass, fully multi-coated, BaK-4 prisms, magnesium alloy body, eyecup twists, rubber armor, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, objective lens cap. Straight or angled spotting scope body.

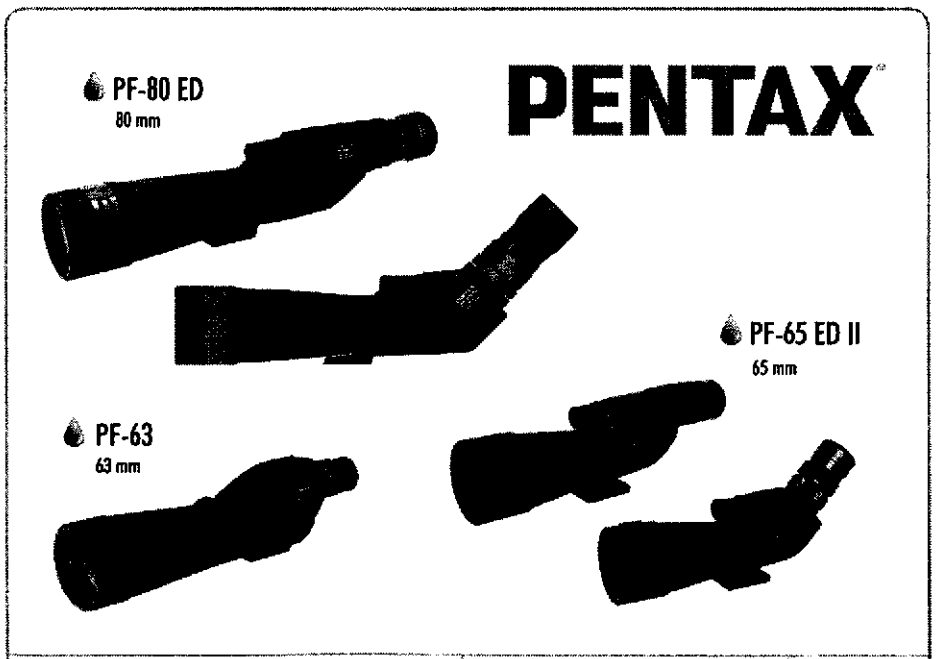
Pentax Premium Eyepieces

Expand the capability of your Pentax scope beyond the versatile Pentax SMC zoom eyepiece with the XW fixed power eyepieces. All of the eyepieces from Pentax are fully multi-coated, contain high-quality glass elements, and offer generous eye relief.

Pentax PF-63 Package

At less than 30 ounces, the PF-63 offers you a lightweight, compact scope with the optical quality you need at a price you can afford. With fully multi-coated optics for maximum light transmission, this waterproof, fogproof, rubber armored scope can be counted on in all kinds of weather. Packaged with a 25-50x zoom eyepiece, the PF-63 is ready to head outdoors as soon as it arrives.

PF 63 Features:
Fully multi-coated, BaK-4 prisms, polycarbonate body, eyecup twists, rubber armor, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps, 20–50x eyepiece, straight spotting scope body.



	PF-80 ED Scope 80 mm				PF-65 ED II Scope 65 mm				PF-63 63 mm
Eyepiece Item #	SMC Zoom Package	#XW20	#XW14	#XW10	XF Zoom Package	#XW20	#XW14	#XW10	
Eyepiece	21–63x	27x	37x	52x	20–60x	19.5x	28x	39x	20–50x
Eye Relief	22–18 mm	20 mm	20 mm	20 mm	11–15 mm	20 mm	20 mm	20 mm	22–17 mm
Field of View (1000 Yards)	93–49.5'	135'	99'	72'	117–51'	183'	132'	93'	84–48'
Close Focus	19'				16.4'				39.4'
Weight	56.4 oz*	*Straight scope magnifies from 20–60x,			37.7 oz*	*Straight scope weighs 37.0 oz.			29.6 oz
Length	16.3"*	is 15.6" long and weighs 49.4 oz.			10.6"				12.9"

Eagle Optics on Location!

As supporters and sponsors of numerous birding and nature festivals, the Eagle Optics staff attends many events throughout the course of the year—and we relish the opportunities to meet our customers in person!

On the road again...

Have you ever wished you could visit Eagle Optics, but don't have Southern Wisconsin on your travel itinerary? No worries—look for our showroom on the road at a location near you! If there's a specific model you're interested in seeing, let us know!

Visit us at a festival

For the latest list of birding and nature festivals our staff will attend, go to the Articles tab at **www.eagleoptics.com** and follow the link to **Eagle Optics on Location!**

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Swarovski Spotting Scopes

Swarovski limited lifetime warranty.

A passion for precision describes the level of quality Swarovski incorporates into its spotting scopes. From the razor-sharp images to the day-to-day functionality, customers love their Swarovski scope.

HD Glass Spotting Scopes

The HD scopes use fluoride-containing lenses to minimize color fringing, offer sharp, high-contrast images, and benefit digiscoping results. Fully multi-coated, Swarotop lenses optimize light transmission for the brightest view. You'll find the Swaroclean coating keeps your view clear as it works to repel water and residue. An excellent close focus allows you to scope even in the backyard. Standard glass scopes are budget friendly, lighter in weight, and offer good light transmission

ATM/STM and ATS/STS

In 2009, Swarovski lightened the weight of the ATS and STS scopes by updating aluminum construction to state-of-the-art magnesium technology in the ATM and STM scope bodies. When every ounce counts, the ATM or STM body will be the one to buy.

65 mm or 80 mm

Just like ounces, every millimeter of the objective lens counts as the scope gathers light. Digiscopers and observers glassing at long distances will benefit from the 80 mm objective lens. Swarovski excellence still shines through the images delivered by the 65 mm, and the smaller lens size is about 1/2 pound lighter.

Spotting Scope Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Swaroclean lens coating. **Included:** Tethered eyepiece cover, objective lens cover. Eyepieces sold separately.

Swarovski DCA

Switching from observation to digiscoping is a breeze with the Swarovski DCA. Part of the adapter stays on the zoom eyepiece of your Swarovski scope and the other attaches to the filter threads of your digital camera. Call Eagle Optics or check our website for complete details.

Spotting Scope Rail

Swarovski's new spotting scope rail employs a two position support to stabilize the scope for vibration-free viewing and digiscoping. Designed to balance the scope with camera equipment attached, this rail also allows the scope to sit upright on a flat surface when not attached to a tripod. Easy to use, the rail features quick attach and release mechanisms and slides into place with the push of a button.

Swarovski's

Digiscoper of the Year Contest

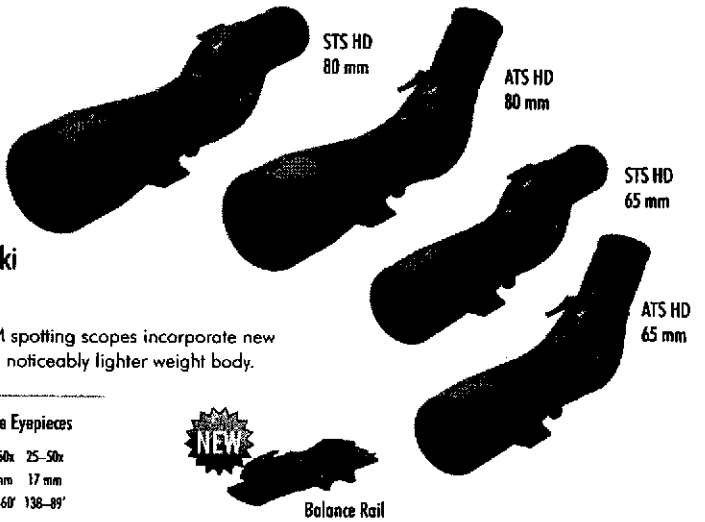
Since 2006, Swarovski Optik has sponsored a Digiscoper of the Year contest. Each year's contest garners incresed interest due to the ever growing popularity of this innovative photography technique using a spotting scope and digital camera.

You don't have to use a Swarovski spotting scope to enter the contest, but your winning entry is a great way to earn top-notch equipment from Swarovski.

In addition to the top three winners, there are five national winners. They earn cash for their winning photograph which is then published in the *Swarovski Optik Digiscoping Yearbook*.

Check www.swarovskioptik.com for information regarding upcoming contests.

SWAROVSKI
OPTIK



NEW **The Swarovski Series**

Swarovski's latest ATM / STM spotting scopes incorporate new magnesium technology for a noticeably lighter weight body.

Swarovski Spotting Scope Eyepieces

Eyepiece	20x	30x WA	45x WA	20–60x	25–50x
Eye Relief	17 mm	20 mm	18 mm	17 mm	17 mm
Field of View (1000 Yards)	180'	126'	84'	108–60'	138–89'
Close Focus	10'				

Weight*	65 mm ATS 38.8 oz (39.9 oz for HD)	80 mm ATS 45.9 oz (47.7 oz for HD)	65 mm ATM 34.2 oz (36.0 oz for HD)	80 mm ATM 43.4 oz (45.2 oz for HD)
Length	12.8"	14.0"	12.0"	TBD

*Weight given for angled models.

	Razor HD 85 mm		Skyline 80 mm	Nomad 60 mm	Impact 70 mm
Eyepiece	20–60x	30x	20–60x	20–60x	25–75x
Eye Relief	20–18 mm	18 mm	19–18 mm	17–14 mm	18–15 mm
Field of View (1000 Yards)	117–60'	112'	113–55'	114–51'	89–47'
Close Focus	16.4'	16.4'	26.0'	20'	33.0'
Weight	65.7 oz		68.0 oz*	36.1 oz	37.4 oz
Length	15.3"		17.7"	13.2"**	10.0"

*Weight and length given for angled Skyline ED.
**Length given for angled Nomad.

Vortex Spotting Scopes

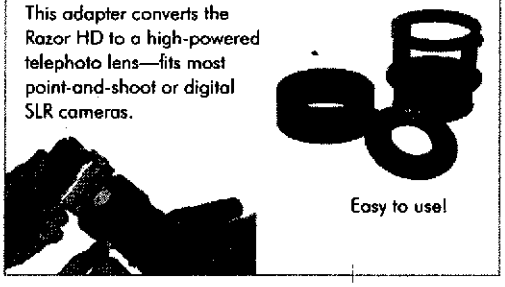
Vortex VIP unconditional lifetime warranty.

Razor HD

Built in Japan to specifications developed by Vortex engineers, the Razor HD exceeds performance expectations in this price range. You are sure to appreciate the Vortex HD system that enhances resolution, brightens image details, and delivers a distortion-free, edge-to-edge sharpness. The compact, magnesium-alloy body decreases weight and increases durability. A large 85 mm objective lens maximizes the available light at dawn or dusk.

Razor HD Digital Camera Adapter

Observe, photograph, observe, and don't miss a detail! This adapter converts the Razor HD to a high-powered telephoto lens—fits most point-and-shoot or digital SLR cameras.



Easy to use!

Razor HD Features: High-density (HD) glass, fully multi-coated, BaK-4 prisms, magnesium alloy body, dual focus, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (argon gas), ArmorTek lens armor. **Included:** Lens caps, view-through case, 20–60x eyepiece, 85 mm angled body. 30x eyepiece also available.

Skyline

Maximum power without high cost describes the Vortex Skyline. The Skyline performs with its light grabbing 80 mm objective lens and zooming power of the eyepiece. The dual-focus knob allows you to achieve a quick focus, then take your time sharpening every detail.

MK-1 Digital Camera Adapter

Discover the pleasure of digiscoping with your Skyline. Great for use with most 3–4x optical zoom point-and-shoot digital cameras

Skyline ED

Extra-low dispersion glass takes the performance up a notch by decreasing chromatic aberration and increasing resolution and color. With ED glass, you will enjoy better quality images when digiscoping.

Skyline and Skyline ED Features: Extra-low dispersion (ED) or standard glass, fully multi-coated, eyecup twists, dual focus, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case, tabletop tripod (non-ED models), 20–60x eyepiece. Straight or angled body with standard or ED glass.

Nomad

Bench shooters, hunters, birders, and researchers have all come to value the solid results of the compact Nomad spotting scope. The Nomad is a strong performer at an economical price—you won't leave home without it!

Nomad Features: Fully multi-coated, BaK-4 prisms, multi-position eyecup, polycarbonate body, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case, 20-60x eyepiece. Straight or angled body.

Impact

Uniquely designed, uncommonly sized best describes the Impact scope. It is different from other scopes because it uses an optical mirror with a reflector-style lens system. Take along this 10-inch, 38-ounce package of scoping power, and the Impact is sure to boost your viewing options.

Impact Features: Fully multi-coated, polycarbonate body, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, padded case, tabletop tripod, 25–75x eyepiece, 70 mm angled spotting scope body.

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Zeiss Spotting Scopes

Zeiss limited lifetime transferable warranty.

Zeiss Diascopes

Over 160 years of optical innovations from Zeiss have translated into the top-quality Zeiss Diascope. The Zeiss Advanced Optical System, extra-low dispersion fluoride glass, and multi-layer coatings combine to delight you under even the most rigorous of conditions. With the protective LotuTec lens coating, your scope will shed water and dirt for unobstructed glassing. Separate fast and fine focusing promise quick results and the finest of details.

Diascope Features: Fluoride glass, fully multi-coated (T*), BaK-4 prisms, dual focus, sunshade, rotating tripod ring, waterproof, fog proof (nitrogen gas), LotuTec protective lens coating. **Included:** Eyepiece and objective lens covers. Straight or angled with 65 mm or 85 mm body and choice of green or silver finish. Eyepieces sold separately.

Digiscope with the DC4 Digital Camera Eyepiece

No fussing with cameras, lenses, t-rings, or adapters when you use the DC4 digital camera eyepiece on your Zeiss Diascope. By incorporating the camera and eyepiece in one unit, you easily focus and use the wireless remote to snap the image while observing the action through the 2-inch LCD screen. The DC4 offers 30x magnification on the 65 mm Diascope and 40x magnification on the 85 mm Diascope.

View at 30x (65mm) or 40x (85mm).

Diascope Series

	85mm			65mm		
Eyepiece	30xWA	40xWA	20–60X	23xWA	30xWA	15–45X
Eye Relief	18.5 mm	18 mm	16 mm	18.5 mm	18 mm	16 mm
Field of View (1000 Yards)	120'	90'	129–60'	156'	120'	168–78'
Close Focus	16.3'			13.1'		
Weight	51.2 oz			38.8 oz		
Length	13.6"			11.8"		

*Eyepieces sold separately.

Spotting Scope Accessories

www.eagleoptics.com/spotting-scope-accessories

Gitzo Tripods

Gitzo limited lifetime warranty.

The GT 2542 L Tripod Legs

Expect optimum performance from the Gitzo Mountaineer tripod. This four-section tripod features a magnesium upper casting for weight reduction and provides solid support for spotting scopes, binoculars, and digital cameras. An ultra-low leg spread takes full advantage of Gitzo's Ground Level Set that allows you to remove the center column and take low-angle photographs.

GT 2542 Features: Carbon fiber legs, collar leg locks, multiple leg angles, reversible center column, weight hook.

The GT 1541 Tripod Legs

Ever since Gitzo launched the Mountaineer tripod series in 1994, the standard for performance has remained high—and the Gitzo 1541 tripod legs are no exception. Updated casting with three leg positions makes these compact tripod legs even more desirable.

GT 1541 Features: Carbon fiber legs, collar leg locks, multiple leg angles, reversible center column, weight hook.

The G 2180 Tripod Head

Smooth, refined handling is just what you need when birdwatching ... and what you'll enjoy with the ergonomic design of the G2180 tripod head. Gitzo engineering puts this compact, low-profile tripod head in a class of its own. The G2180 features muted colors and surfaces that won't reflect light and give your position away to the wildlife you are watching.

G 2180 Features: Quick release plate, counterbalancing head.

Bogen/Manfrotto Tripods

Bogen 2-year limited warranty plus an additional 3-year warranty with online registration.

The 055 XB Tripod Legs

Versatility is what this Bogen aluminum tripod brings you. The design of the shoulder assembly greatly improved the ergonomics of the leg angle levers. Portable enough to take out in the field, the 055 XB is strong enough to support digital cameras, spotting scopes, and binoculars.

055 XB Features: Aluminum legs, lever leg locks, leg wraps, multiple leg angles, reversible center column, low angle adapter.

The 190 XB Tripod Legs

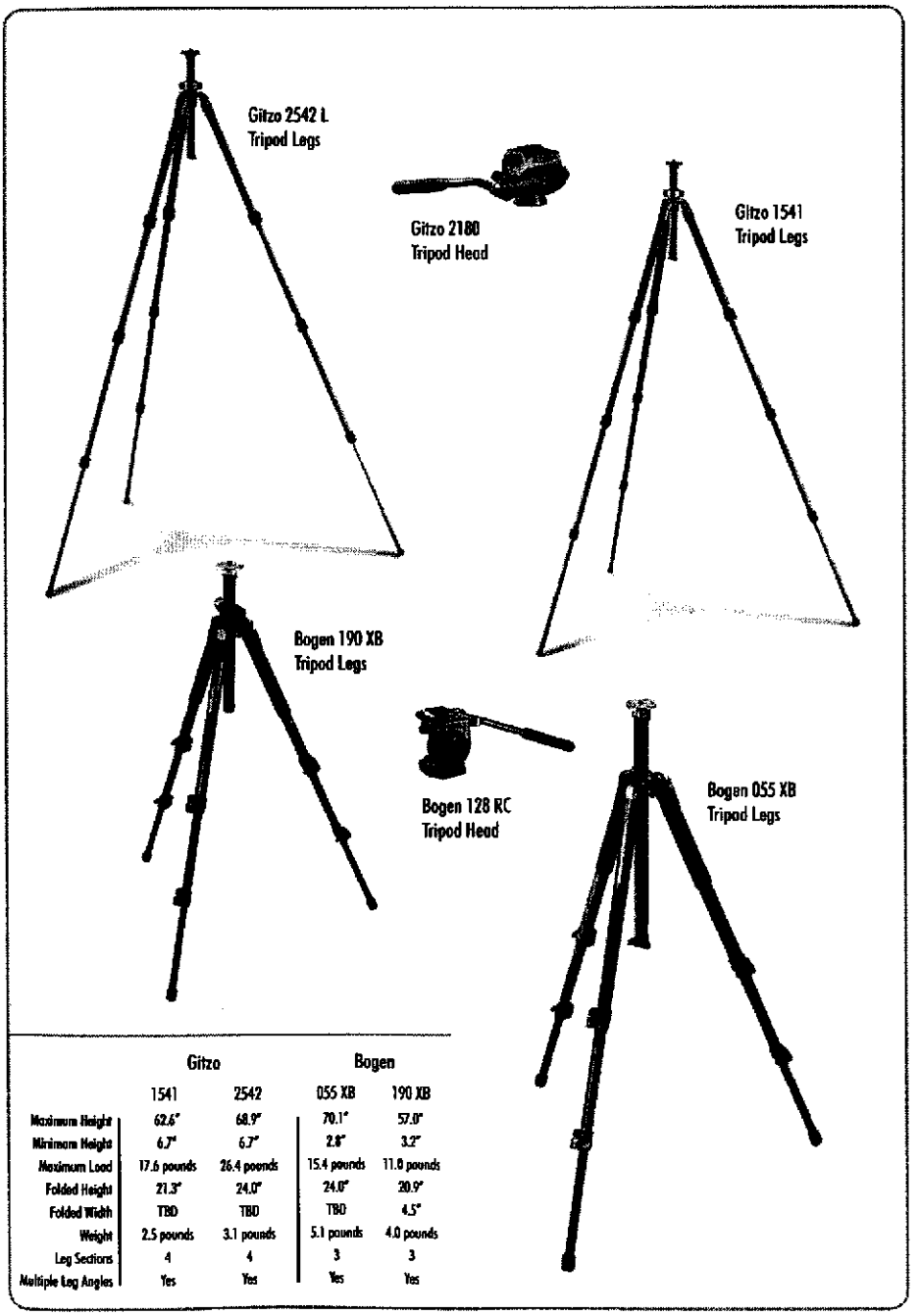
Bogen's 190XB tripod is a redesign resulting in a lighter, more compact tripod. Bogen also improved the ergonomics of the leg angle release mechanism and the quick action leg locks. Leg angle presets work to increase stability in bad weather and on uneven terrain. Count on this aluminum tripod for sturdy support.

190 XB Features: Aluminum legs, lever leg locks, leg wraps, multiple leg angles, reversible center column, low angle adapter.

The 128 RC Micro Fluid Tripod Head

This is our most popular Bogen head, featuring excellent smooth fluid action. Enjoy easy control when viewing through spotting scopes, binoculars, or digital cameras.

128 RC Features: Quick-release plate.



	Gitzo		Bogen	
	1541	2542	055 XB	190 XB
Maximum Height	62.6"	68.9"	70.1"	57.0"
Minimum Height	6.7"	6.7"	2.8"	3.2"
Maximum Load	17.6 pounds	26.4 pounds	15.4 pounds	11.0 pounds
Folded Height	21.3"	24.0"	24.0"	20.9"
Folded Width	TBD	TBD	TBD	4.5"
Weight	2.5 pounds	3.1 pounds	5.1 pounds	4.0 pounds
Leg Sections	4	4	3	3
Multiple Leg Angles	Yes	Yes	Yes	Yes

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Swarovski CT 101 Tripod Kit

Top strength is wrapped up in this lightweight, sturdy tripod. Just right for long hikes and tough climbs, Swarovski's CT 101 won't weigh you down. The smooth action of the FH 101 tripod head is a favorite in the field. The two-stage tripod legs and flip-up leg locks adjust quickly and silently.

CT 101 Features: Carbon fiber legs, quick-release plate, lever leg locks, leg wraps, multiple leg angles, reversible center column. **Included:** Swarovski 1-year warranty.

Vortex Pro GT

Surprisingly affordable, the Pro GT provides solid support for spotting scopes. This tripod is an ideal choice if you're on a tight budget or need a reliable back-up tripod for your travels.

Pro GT Features: Aluminum legs, quick-release plate, lever leg locks, leg wraps, multiple leg angles. **Included:** Vortex 3-year limited warranty.

Vortex Shooting Stand

Want to travel light? The Vortex Shooting Stand is ideal for watching wildlife from a picnic table on your deck or for fast setup. At just 1.5 pounds, you can easily take the Shooting stand on any trail.

Shooting Stand Features: Aluminum legs. **Included:** Vortex 3-year limited warranty.

Car Window Mounts

Eagle Optics Car Window Mount

Use the Eagle Optics Car Window Mount to view wildlife from the comfort of your car. Mount your scope to the 1/4-inch tripod thread, and you're ready to go!

Shooting Stand Features: Eagle Optics 3-year limited warranty.

Bogen/Manfrotto 243 Car Window Pod / Clamp

View wildlife from the warmth of your vehicle with Bogen's 243 car window pod/clamp. This lightweight, sturdy support easily clamps onto your window and will accept Bogen tripod heads.

Shooting Stand Features: Bogen 2-year limited warranty plus an additional 3-year warranty with online registration.

Bogen Anti-Twist Spotting Scope Plate

Are you tired of your quick release plate coming loose in the field? Bogen designed the ingenious Anti-Twist Spotting Scope Plate to prevent unwanted rotation. Two rubber-padded bolts attach the 1/4-inch quick release plate to the bottom of most spotting scopes and keep your equipment secure. This plate will fit Bogen quick release tripod heads sold by Eagle Optics.

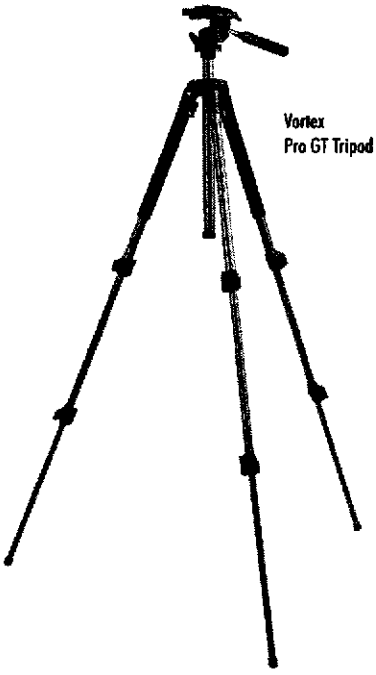
Tripods? Let us help!

Eagle Optics knows tripods and takes the guesswork out of selecting a tripod with:

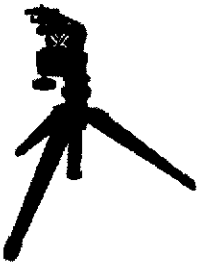
- Portability
- Durability
- High Performance
- Value

Email: info@eagleoptics.com
Call: 1-800-289-1132

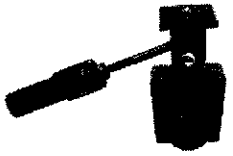
Swarovski CT 101 Tripod with FH 101 Tripod Head



Vortex Pro GT Tripod



Vortex Shooting Stand



Eagle Optics Car Window Mount

Bogen/Manfrotto Car Window Pod / Clamp

	Swarovski	Vortex	
	CT 101	Pro GT	Shooting Stand
Maximum Height	70.9"	63.0"	13.3"
Minimum Height	16.1"	23.0"	10.8"
Maximum Load	TBD	9.0 pounds	5.0 pounds
Folded Height	27.5"	24.5"	13.2"
Folded Width	4.4"	4.5"	4.8"
Weight	4.4 pounds	5.8 pounds	1.5 pounds
Leg Sections	2	3	1
Multiple Leg Angles	Yes	Yes	No

Questions

What is digiscoping?

Digiscoping is a unique kind of photography using a digital camera and spotting scope. Now you can expand your ability to photograph the wonders of nature by putting your digital camera to work.

If you plan to invest in a spotting scope for digiscoping, the best results will come from high quality optical systems featuring High Definition (HD), Extra-low Dispersion (ED), Apochromatic (APO) glass, or Fluoride elements.

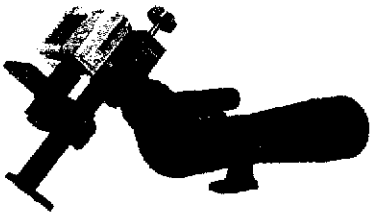
What do you *really* need for digiscoping?

Many people capture incredible images by simply holding their point-and-shoot digital camera up to the eyepiece of a spotting scope. Digital cameras that work for digiscoping have a 3–4x optical zoom and compact bodies.

Using the appropriate adapter can steady your camera.

Vortex Universal Digital Camera Adapters

These universal adapters allow you to connect a digital point-and-shoot camera to a variety of spotting scopes.



The Vortex Universal Digital Camera Adapter attaches to the eyepiece of a spotting scope. Measure the outside diameter (OD) of the spotting scope eyepiece to choose the appropriately-sized Vortex adapter bracket.

Call Eagle Optics at 800-289-1132 for answers to your digiscoping questions.

Small DCA

Fits 28-45mm Eyepieces (OD)

- Bushnell 15-45x60 Spacemaster
- Eagle Optics 60mm Denali
- Kowa TSN 82 SV
- Meopta ST 75 Standard and APO Models
- Nikon 50 mm Fieldscope with 13-30x Zoom
- Nikon 60 mm Fieldscope with 20-45x Zoom
- Nikon 82 mm Fieldscope with 25-56x Zoom
- Vortex 60 mm Nomad
- Vortex 70 mm Impact

Large DCA

Fits 43-65mm Eyepieces (OD)

- Bushnell 60 mm Elite
- Bushnell 70 mm Elite
- Bushnell 80 mm Elite
- Bushnell 60 mm Natureview
- Celestron 80 mm Ultima ED
- Kowa 60 mm with 20-60x Zoom
- Kowa 66 mm with 20-60x Zoom
- Kowa TSN 77 mm
- Kowa TSN 88 mm
- Leica 65 mm Televid APO
- Leica 82 mm Televid APO
- Nikon 65 mm EDG
- Nikon 85 mm EDG
- Nikon 50 mm Fieldscope with 13-40x Zoom
- Nikon 60 mm Fieldscope III with 20-60x Zoom
- Nikon 82 mm Fieldscope with 25-75x Zoom
- Nikon 65 mm Prostaff
- Nikon 82 mm Prostaff
- Pentax PF-65 ED II
- Pentax PF-80 ED
- Swarovski 65 mm ATS/STS and ATM/STM
- Swarovski 80 mm ATS/STS and ATM/STM
- Vortex 80 mm Skyline and Skyline ED
- Zeiss 65 mm Diascope
- Zeiss 85 mm Diascope

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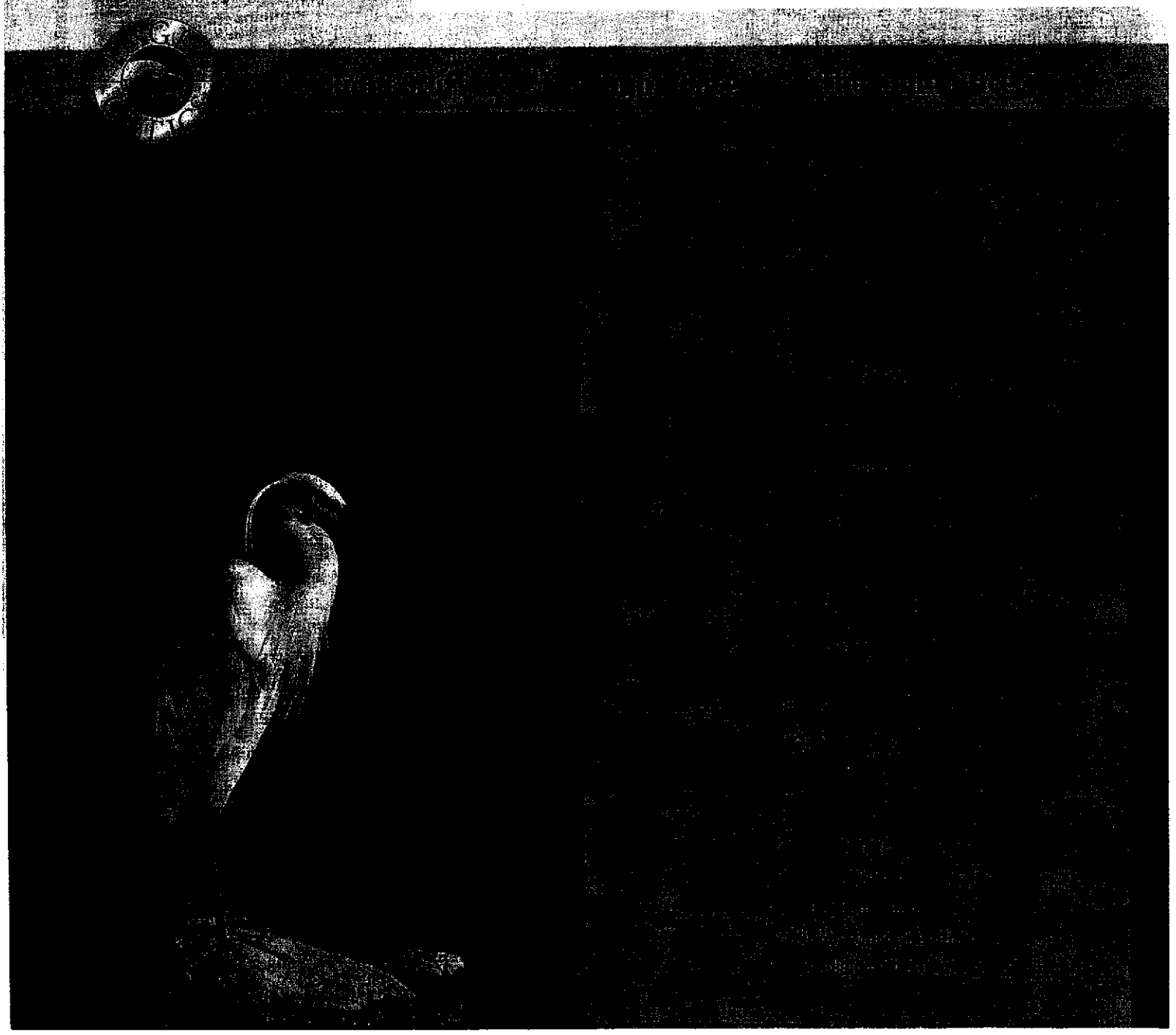
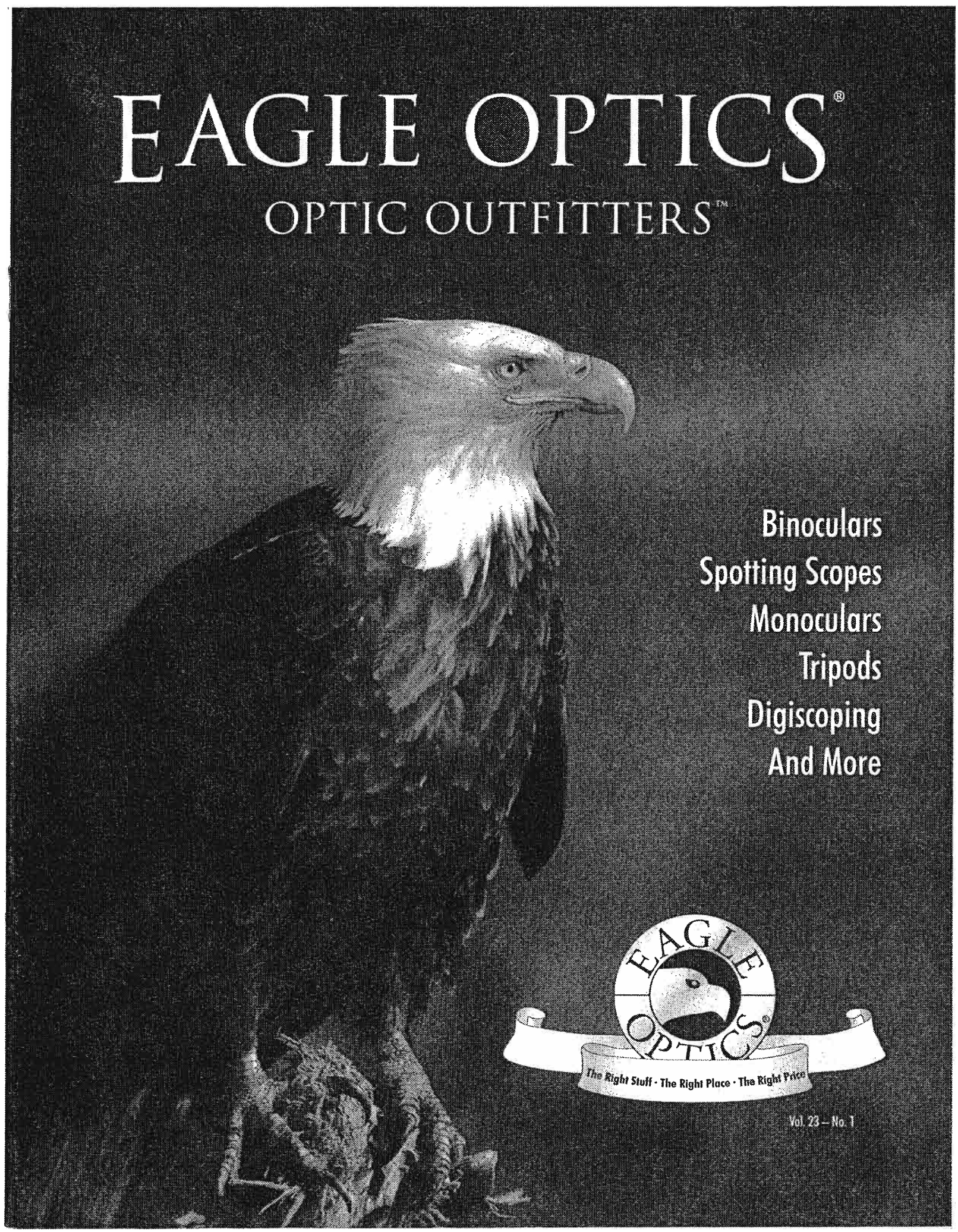


EXHIBIT 10
TO DECLARATION OF
DANIEL C. HAMILTON

EAGLE OPTICS®

OPTIC OUTFITTERS™



Binoculars
Spotting Scopes
Monoculars
Tripods
Digiscoping
And More

EAGLE OPTICS®

The Right Stuff · The Right Place · The Right Price

Vol. 23 – No. 1

Valued Customer,

If you've been looking for the best selection in optics, then you've come to the right place. When it comes to outfitting you with the finest in optics, our Eagle Optics staff is here for you with professional expertise, unmatched service and support, and unexcelled product selection.

We invite you to browse through our 2010 catalog selection of quality field-tested binoculars, spotting scopes, tripods, monoculars, and accessories. You can also visit us at www.eagleoptics.com for complete online information and purchasing options.

For personalized service, please call us at 1-800-289-1132.

The Staff of Eagle Optics

About the cover photo: The Bald Eagle was digiscoped with an 82 mm Leica Televid spotting scope by our sales manager, Ben Lizdas, in Homer, Alaska. For more information on digiscoping, see page 39 of our catalog.

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The EAGLE OPTICS Difference

Friendly, Knowledgeable Service

At Eagle Optics we know details matter, especially when you are investing in fine optical instruments. That's why you can call our professional staff whenever you need to compare, contrast, or clarify information—no matter how simple or specialized the question! E-mail your questions or comments to info@eagleoptics.com, or call 1-800-289-1132.

Fast FedEx Ground Shipping

Eagle Optics is proud to offer our customers FedEx Ground Shipping to the 48 contiguous states! You can expect in-stock orders to ship within one business day of receipt. Please allow 20 working days for orders paid with a personal check.

Our 30 Day Exchange / Return Policy

Your absolute satisfaction matters to us! If you're not satisfied with your purchase, for any reason, simply return the product within 30 days for an exchange or full product refund. Customers are responsible for return shipping costs. Please return the product to Eagle Optics in new condition, with all the original packaging, and a copy of the Eagle Optics invoice.

Safe and Secure Online Sales

Eagle Optics guarantees that you can shop online with peace of mind. Our web site is secured by QuickSSL 128-bit encryption for the highest possible level of online security. This means that your online transactions with Eagle Optics remain private and secure.

Explore eagleoptics.com for the Latest News

Since the beginning, putting customers first has been the top priority of Eagle Optics. Today, it's the driving force behind our growing online community. Explore www.eagleoptics.com today, visit it frequently in the future, and let us know what you think.

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Sign up for our weekly e-mail on our Home Page for:

- News about birds, festivals, and conservation efforts
- Special promotions
- Closeout deals
- Contest details

Eagle's Nest

Visit the Eagle's Nest for news about a wide variety of sports optics and answers from our Eagle Optics staff.

- **Eagle Optics Blog** for birding new, products, and tips
- **Binocular Reviews**
- **Mike's Birding & Digiscoping Blog**
- **Birding Binocular Q & A**

Inside this Catalog

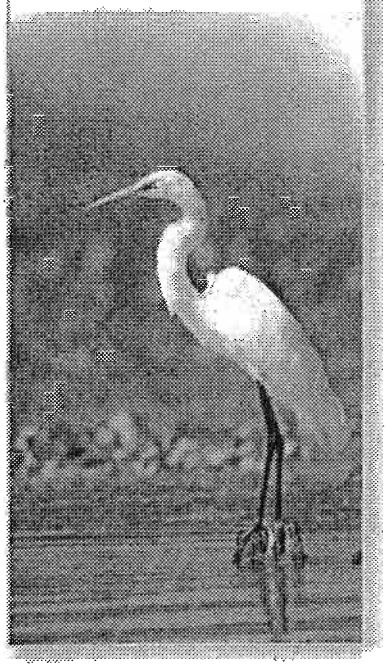
Look for this icon and find new products quickly, then read a brief review of the series. You'll find the specifications for binoculars, spotting scopes, monoculars, and rangefinders listed in a chart like the one shown here.

	Binocular Model
Eye Relief	19.5 mm
Close Focus	5'
Field of View (1000 Yards)	336'
Height	5.75"
Width	5.1"
Weight	23.6 oz

Waterproof optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside the optical barrel. Fogproof optics are filled with nitrogen or argon gas to inhibit internal fogging.

Do optics terms confuse you?

Turn to pages 24–25 for helpful, informative explanations about the world of optics.



Atlas Optics Binoculars

Atlas Optics unlimited, unconditional lifetime warranty.

Intrepid ED

The Atlas Optics Intrepid ED shows you details you've never discovered before. With the benefits of extra-low dispersion glass and fully multi-coated lenses for bright, high-quality images, the Intrepid ED is sure to please wherever the trail takes you. An exceptionally wide field of view makes you feel like you just stepped into the action, and the ergonomically pleasing open-hinge design allows you to easily follow wildlife for a long time. This is one binocular sure to carry its weight for a long time.

Intrepid ED Features: Extra-low Dispersion (ED) glass, fully multi-coated, phase corrected, rubber armor, magnesium alloy body, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), SeeClear™ exterior lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Sky King

Are you looking for high-flying performance at a budget-conscious price? Look no further than the Atlas Optics Sky King binocular. The Sky King will amaze you with its wide field of view, eye-popping brightness, and impressive color delivery.

Sky King Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Radian

Surrounding you with the radiant details essential for discovery, the Atlas Optics Radian features all the desired optical features needed to deliver impressive light transmission and color resolution. The wide field of view will impress you with edge-to-edge sharpness found in more expensive binoculars.

Radian Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, twist-up eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Intrepid ED
42 mm

Sky King
42 mm

Radian
42 mm

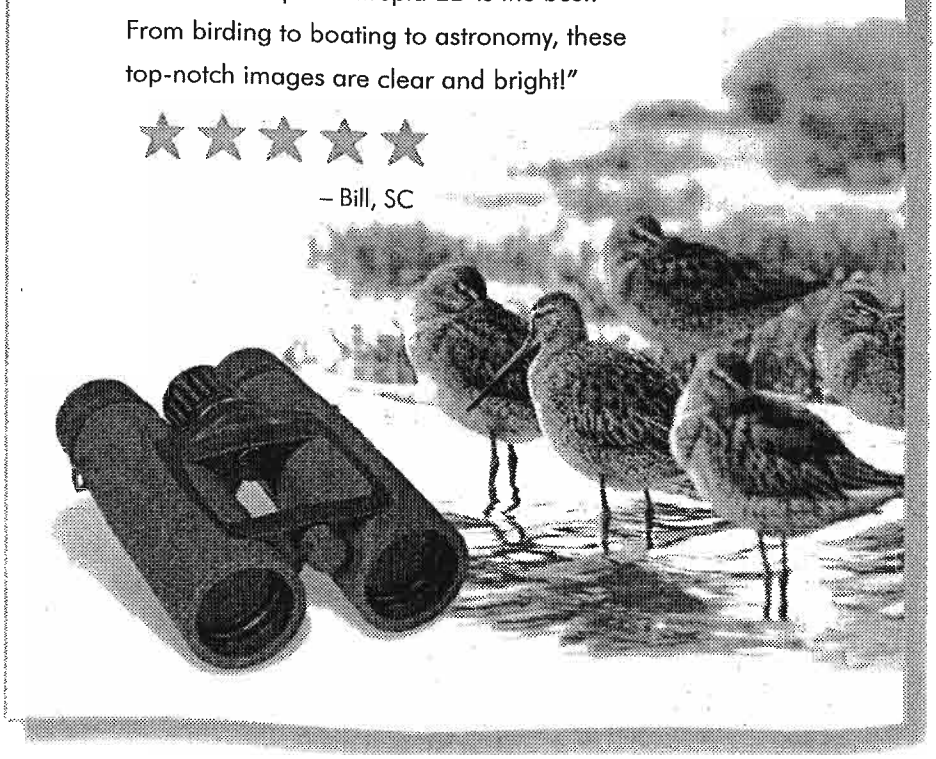
	Intrepid ED		Sky King		Radian	
	8x42	10x42	8x42	10x42	8x42	10x42
Eye Relief	17 mm	15 mm	17 mm	15 mm	17.5 mm	15.5 mm
Close Focus	6.5'	6.5'	6.0'	6.0'	6.5'	6.5'
Field of View (1000 Yards)	420'	342'	365'	320'	375'	305'
Height	6.5"	6.5"	5.5"	5.5"	5.4"	5.4"
Width	4.9"	4.9"	4.5"	4.5"	5.0"	5.0"
Weight	26.6 oz	26.6 oz	26.7 oz	26.7 oz	23.0 oz	23.0 oz

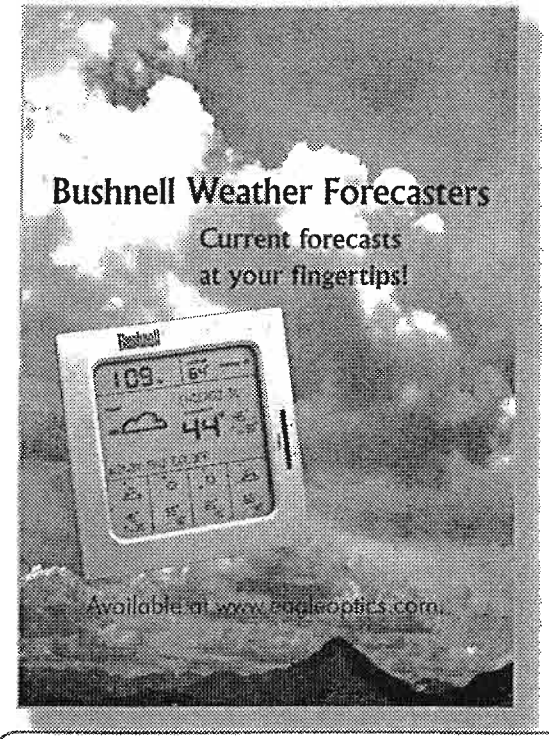
Introducing the Intrepid ED

"The Atlas Optics Intrepid ED is the best! From birding to boating to astronomy, these top-notch images are clear and bright!"

★★★★★

– Bill, SC





Bushnell Binoculars

Bushnell limited lifetime warranty.

Elite ED

With over 60 years of optical expertise at their disposal, the Bushnell engineers pack a significant performance upgrade into the Elite ED binocular. Already boasting a light transmission of 99.7 percent, the addition of ED glass delivers amazing color resolution and contrast to enhance the wonderfully bright views. Rainguard® provides the benefit of water-repellent protection to make sure wet weather won't interfere with your view.

Elite ED Features: Extra-low Dispersion (ED) glass, fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, magnesium body, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), Rainguard® exterior lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Elite Custom Compact

Bushnell's best compact will amaze you as soon as you see the brilliant, crisp images the Elite 7x26 delivers. Take the Elite Custom Compact to the theater or on vacation; the more you use it, the more you will appreciate its excellent performance.

Elite Custom Compact Features: Fully multi-coated, BaK-4 prisms, rubber armor, twist-up eyecups, center focus, right eye diopter, Rainguard® exterior lens coating. **Included:** Eyepiece caps, neck strap, case.

	Elite ED		Elite Compact	Excursion EX				Marine (Digital Compass)
	8x42	10x42	7x26	8x36	10x36	8x42	10x42	7x50
Eye Relief	19.5 mm	15.5 mm	16 mm	17.8 mm	15.6 mm	17.2 mm	15.5 mm	17.5 mm
Close Focus	8.0'	8.0'	7.0'	5.5'	5.5'	6.5'	6.5'	35.0'
Field of View (1000 Yards)	330'	314'	363'	426'	321'	414'	330'	348'
Height	TBD	TBD	3.5"	4.8"	4.8"	5.8"	5.8"	7.3"
Width	TBD	TBD	4.5"	4.5"	4.5"	4.8"	4.8"	7.8"
Weight	25.7 oz	26.1 oz	12.0 oz	21.5 oz	21.5 oz	22.1 oz	22.2 oz	37.0 oz

Excursion EX

An open hinge design and gel-filled thumb grips make the Excursion EX extra comfortable to hold. With an exceptionally wide field of view, the EX is a top choice for observing fast-moving action. Fully multi-coated and phase-corrected optics deliver sharp, bright views, no matter the time of day. Waterproof, fogproof construction protects the Excursion EX in all types of weather.

Excursion EX Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, locking center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Marine Binocular

Always ready to withstand extreme weather conditions encountered on the water, Bushnell ingenuity also made the 7x50 Marine binocular able to float! This Marine also comes outfitted with a built-in 3-axis digital compass for a true heading.

Marine Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups roll, individual focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, objective lens caps, neck strap, case, CR2 battery.

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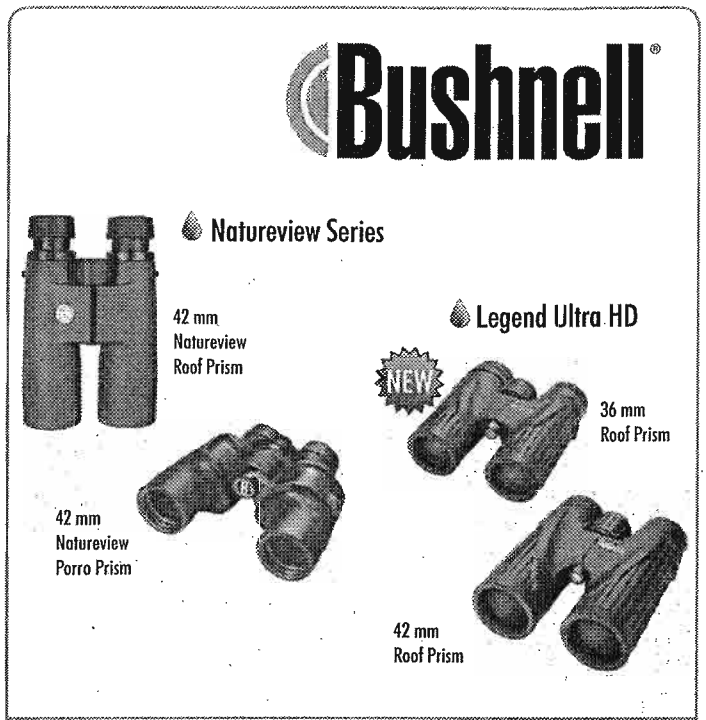


	Legend Ultra HD				Natureview Series		
					Roof Prisms		Porro Prism
	8x36	10x36	8x42	10x42	8x42	10x42	8x42
Eye Relief	15.4 mm	15.4 mm	17.2 mm	15.2 mm	17 mm	17 mm	19 mm
Close Focus	6.2'	6.2'	6.5'	6.5'	15.0'	15.0'	13.0'
Field of View (1000 Yards)	426'	341'	420'	340'	330'	315'	412'
Height	4.9"	4.9"	5.8"	5.5"	7.0"	7.0"	5.8"
Width	4.8"	4.8"	5.0"	5.0"	5.0"	5.0"	7.1"
Weight	20.6 oz	20.6 oz	22.4 oz	22.5 oz	23.0 oz	23.0 oz	26.0 oz

Legend Ultra HD

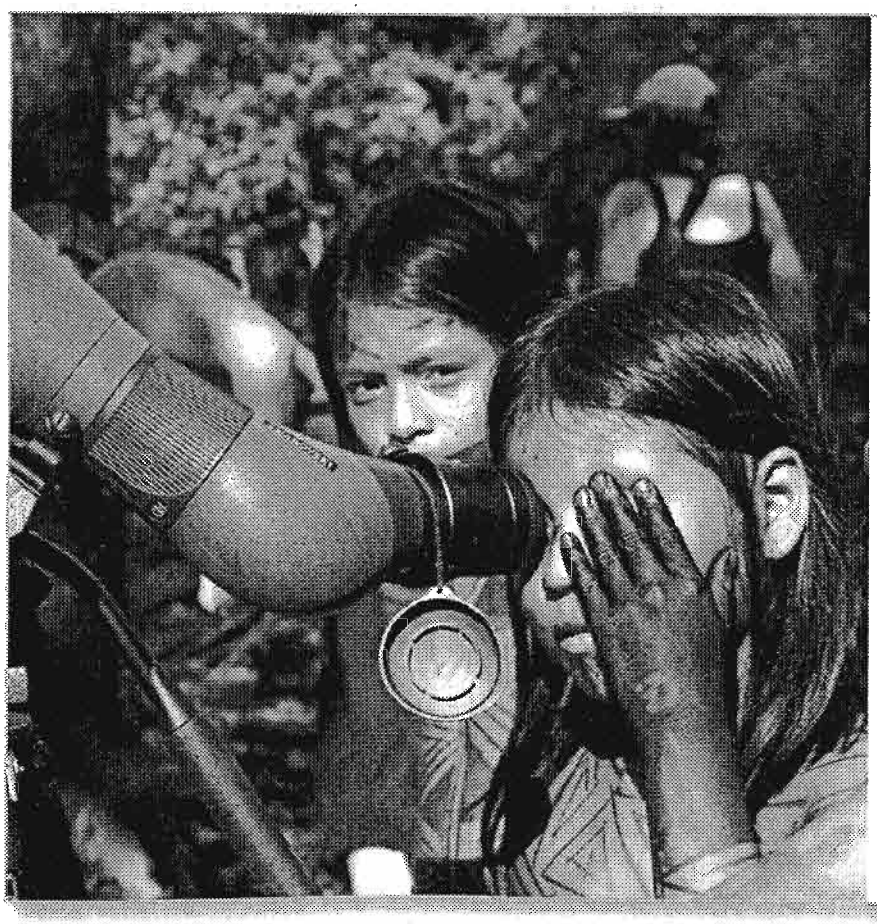
Redesigned for the ultimate viewing experience, the Legend Ultra HD binocular incorporates ED Prime glass for amazing color resolution and contrast. You will appreciate the minimized color fringing, distinct details in low light conditions, and lightweight magnesium framework. Rainguard water-repellent coating, soft-touch grips, and a locking diopter only further the enjoyment of this binocular.

Legend Ultra HD Features: Extra-low dispersion (ED) glass, fully multi-coated (Ultra Wide Band coatings), phase corrected, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Binocular harness strap, neck strap, case.

Natureview

Just as its name implies, the Bushnell Natureview will lead you to success as you search for nature's treasures. The roof prism style offers BaK-4 prisms to optimize light transmission and fully multi-coated lenses to further increase its bright views. Along with twist-up eyecups, the lightweight Natureview is protected with waterproofing, fogproofing, and rubber armoring for reliability in all weather conditions. The classic Natureview porro prism binocular provides quality and a wide 412-foot field of view for following wildlife—all at an affordable price.

Natureview Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.



Optics for the Tropics

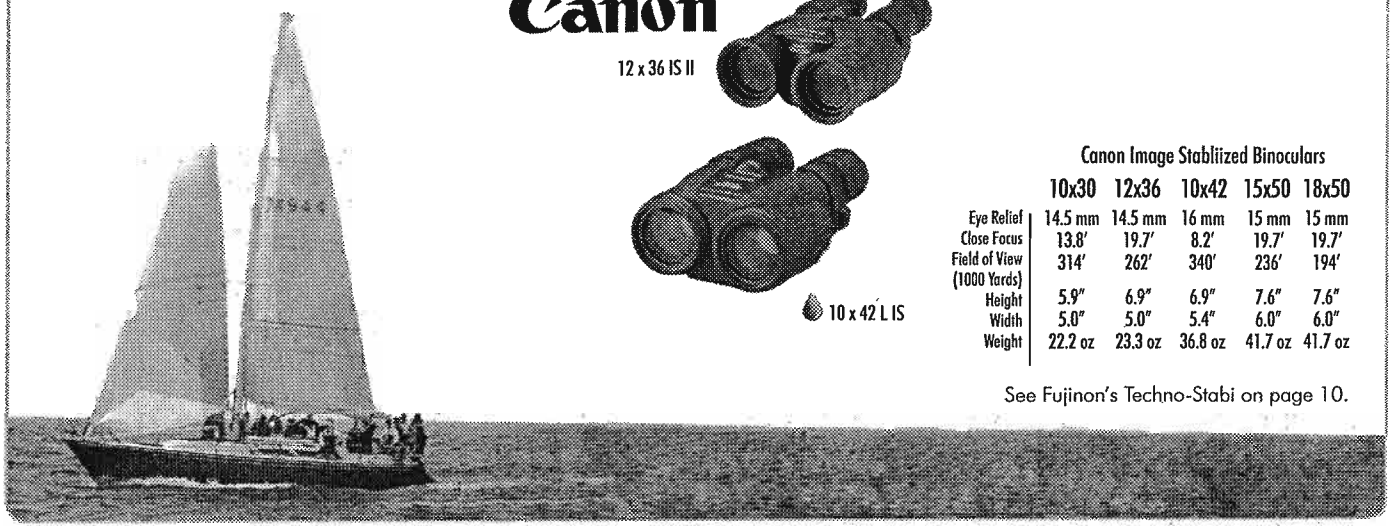
Using slingshots to shoot birds is a sport for Nicaraguan children. When they traded their slingshots for binoculars, Optics for the Tropics used a hands-on program to teach the kids about birds. This is one of many ways Optics for the Tropics works to change attitudes toward wildlife as it educates Caribbean and Latin American residents on how to safeguard bird populations and their habitats.

Eagle Optics is delighted to partner with Optics for the Tropics and support its vital mission by providing sport optics to researchers, guides, and children. Link to us from www.opticsforthetropics.org, and we will donate five percent of sales generated to help Optics for the Tropics continue its important efforts.

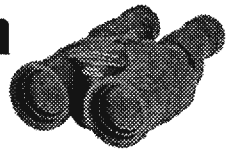
Image Stabilized Binoculars

Hand tremors or rolling waves won't deter you from using binoculars when you choose image-stabilized binoculars from Canon. Boaters needing to scan long distances prefer the image stabilized binoculars featuring high magnification and large objective lenses.

Birders certainly enjoy the manageable size and bright views of the 10x30 and 12x36. Whenever you are on the move, image-stabilizing binoculars will be your answer for bright, crisp views.



Canon



12 x 36 IS II

10 x 42 L IS

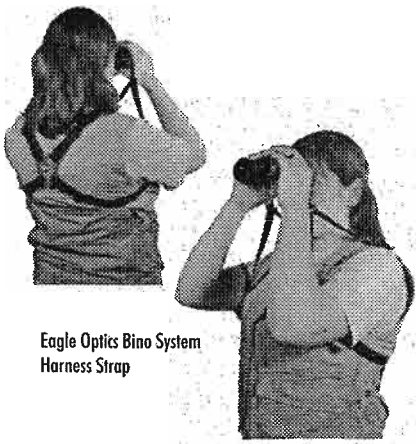
Canon Image Stabliized Binoculars

	10x30	12x36	10x42	15x50	18x50
Eye Relief	14.5 mm	14.5 mm	16 mm	15 mm	15 mm
Close Focus	13.8'	19.7'	8.2'	19.7'	19.7'
Field of View (1000 Yards)	314'	262'	340'	236'	194'
Height	5.9"	6.9"	6.9"	7.6"	7.6"
Width	5.0"	5.0"	5.4"	6.0"	6.0"
Weight	22.2 oz	23.3 oz	36.8 oz	41.7 oz	41.7 oz

See Fujinon's Techno-Stabi on page 10.

Eagle Optics Bino System Harness Strap

Lighten your load with the Bino-System harness strap. Slip the comfortable, adjustable strap over your shoulders and go! Slide binoculars and cameras up and out as needed.



Eagle Optics Bino System Harness Strap

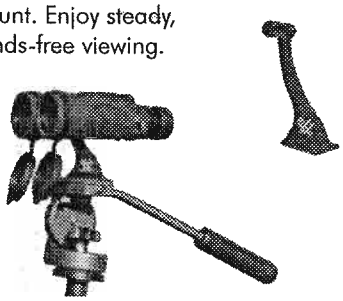
Mini Link Strap

Eliminate neck strain and cut down on the swinging action of your binocular while keeping pace with wildlife. It is an easy-to-use, inexpensive solution for carrying binoculars.

Mini Link Strap

Vortex Tripod Adapter

Use this tripod adapter to mount your binocular to any tripod or car window mount. Enjoy steady, hands-free viewing.



Crystal-Clear Views

Cleaning Supplies

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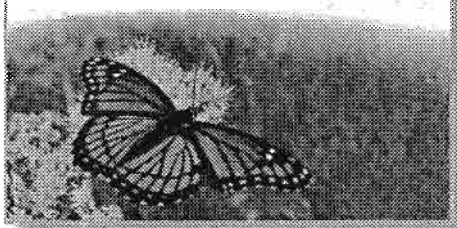
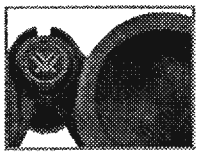
Visit us online at:
www.eagleoptics.com/binoculars-accessories



Vortex Binoc-Loc

The Binoc-Loc keeps barrels perfectly positioned to your eyes for convenient viewing.



Vortex Binoc-Loc

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Eagle Optics Binoculars

Eagle Optics warranty varies with the binocular model.

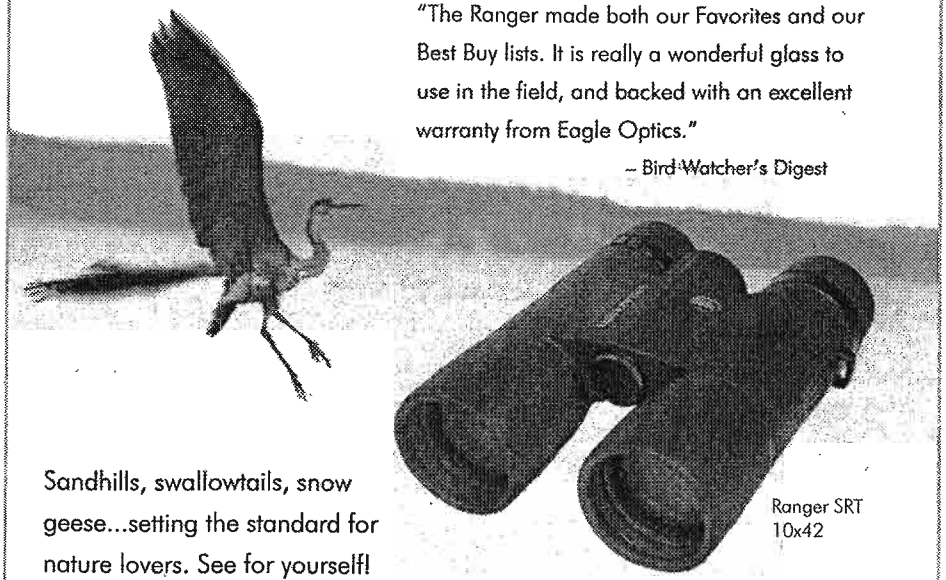
Ranger SRT

Our customers know they can count on the Ranger SRT binocular to meet high-performance expectations. The Ranger is especially favored for its superior edge-to-edge sharpness, light weight, durable body, and affordable price. The soft rubber, multi-position eyecups, and long eye relief guarantee comfortable viewing during extended use.

Customers value the Ranger's rich color details, pleasing field of view, close focus, and Platinum Protection lifetime warranty. See for yourself why our customers love taking the Ranger SRT on a short hike or around the world.

Ranger SRT Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Eagle Optics Platinum Protection lifetime warranty.

RANGER BINOCULARS

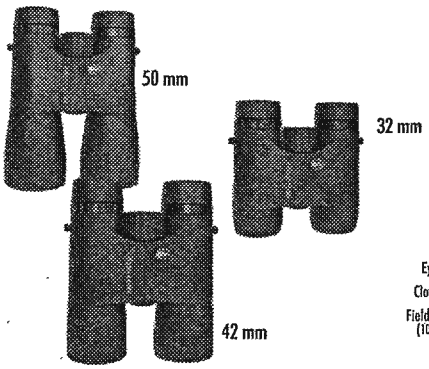


"The Ranger made both our Favorites and our Best Buy lists. It is really a wonderful glass to use in the field, and backed with an excellent warranty from Eagle Optics."

– Bird Watcher's Digest

Sandhills, swallowtails, snow geese...setting the standard for nature lovers. See for yourself!

Ranger SRT 10x42



Ranger SRT Series

	6x32	8x32	8x42	10x42	10x50	12x50
Eye Relief	19.5 mm	16 mm	19.5 mm	16 mm	20 mm	15.5 mm
Close Focus	3'	3'	5.2'	5.2'	8'	8'
Field of View (1000 Yards)	409'	393'	341'	314'	262'	251'
Height	4.9"	4.9"	5.75"	5.8"	6.7"	6.7"
Width	4.8"	4.8"	5.1"	5.1"	5.2"	5.2"
Weight	19.4 oz	19.2 oz	21.8 oz	21.6 oz	26.2 oz	25.8 oz

Denali

The Denali's solid chassis is built to keep pace with the avid outdoor explorer. Weighing only 21.9 ounces, the Denali is easy to carry and comfortable to use when scanning for long periods. Don't worry about rain or temperature—the Denali is protected with waterproofing and fogproofing.

Denali Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

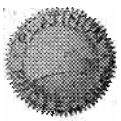
Raven

Beginner or experienced, young or old, and everyone in between will appreciate the performance of the new Eagle Optics Raven binocular. The highly-regarded porro prism style of the Raven delivers an exceptionally wide field of view with sharp, rich three-dimensional views. Featuring twist-up eyecups and waterproof, fogproof construction, the Raven continues a classic tradition in a modern fashion.

Raven Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, carry case. Eagle Optics Platinum Protection lifetime warranty.

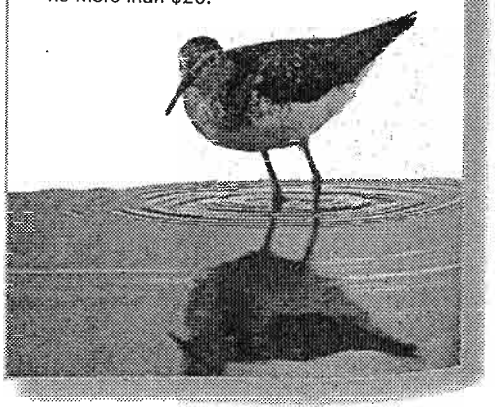
Optics For A Lifetime!

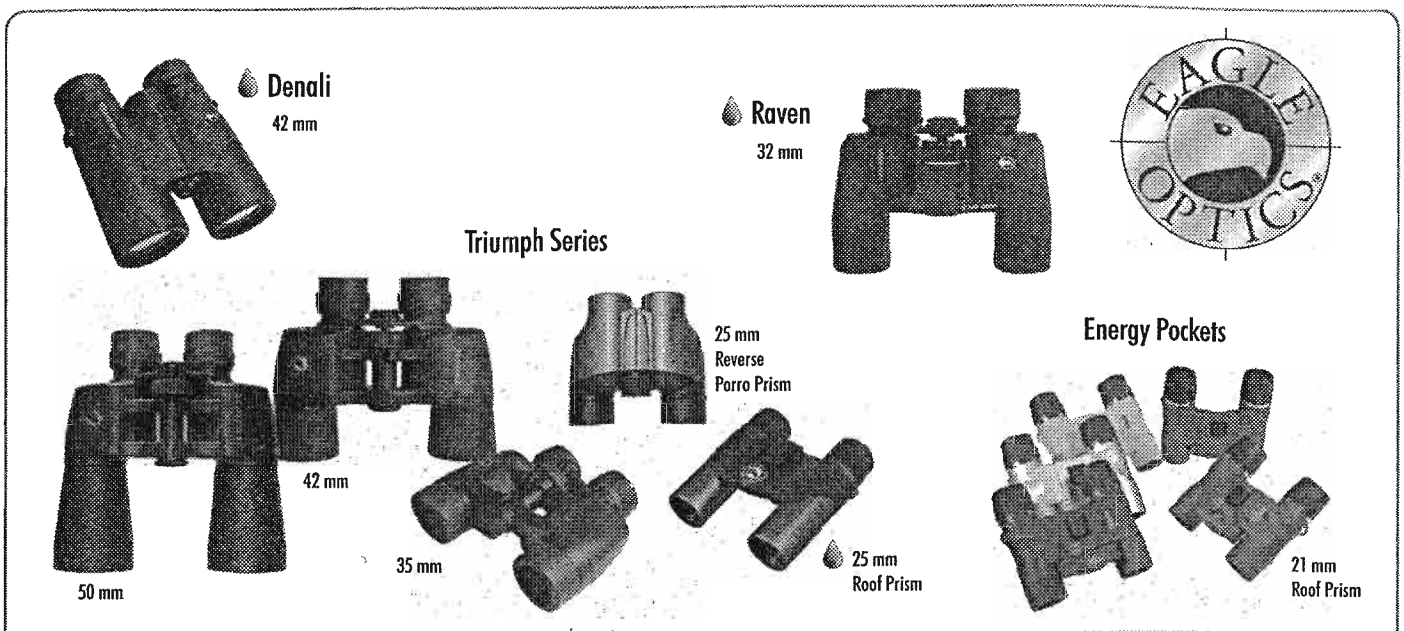
Reasonable Repair Cost—We Promise!



The Eagle Optics Platinum Protection warranty covers the Ranger, Denali, and Raven binoculars—forever. If you ever need service, return the binocular to Eagle Optics for repair or replacement at no additional charge.

The Eagle Advantage Certificate is our promise to replace or repair your optics for no more than $20.





	Denali		Raven		Triumph Series							Energy
					Roof Prisms		Reverse Porro Prisms		Porro Prisms			
	8x42	10x42	6.5x32	8.5x32	8x25	10x25	8x25	10x25	7x35	8x42	10x50	8x21
Eye Relief	18 mm	14.5 mm	20 mm	20 mm	15 mm	10 mm	18 mm	18 mm	12 mm	14 mm	13 mm	8 mm
Close Focus	7.0'	7.0'	15.0'	15.0'	6.6'	6.6'	8.2'	8.2'	12.0'	13.0'	22.0'	16.0'
Field of View (1000 Yards)	408'	318'	410'	390'	348'	341'	330'	262'	483'	430'	342'	383'
Height	5.4"	5.4"	4.5"	4.5"	4.5"	4.5"	3.8"	3.8"	4.75"	5.75"	7.6"	3.75"
Width	5.0"	5.0"	5.7"	5.7"	4.3"	4.3"	4.3"	4.3"	7.0"	7.1"	7.5"	2.3"
Weight	21.9 oz	21.9 oz	17.3 oz	17.3 oz	9.1 oz	9.1 oz	10.2 oz	10.2 oz	20.4 oz	22.8 oz	29.6 oz	6.0 oz

Triumph Series

Surprisingly bright and sharp, pleasantly lightweight, and economical describes the Eagle Optics full size Triumph. A great bang for your buck, the Triumph delivers an outstanding field of view. Multi-coated optics allow increased light transmission for illuminating views. Packed in a carrying case with lens caps and a neck strap, the Triumph arrives ready to head outdoors with you.

Small in size and weighing only 10.2 ounces, the 25 mm porro prisms deliver big performance. Fully multi-coated optics supply bright views. Long eye relief makes these compacts easy for eyeglass wearers to use. The slim barrels and double-hinged design of the 25 mm roof prism is perfect for slipping in a pocket when you venture outside, or keeping handy to check out the bird feeders.

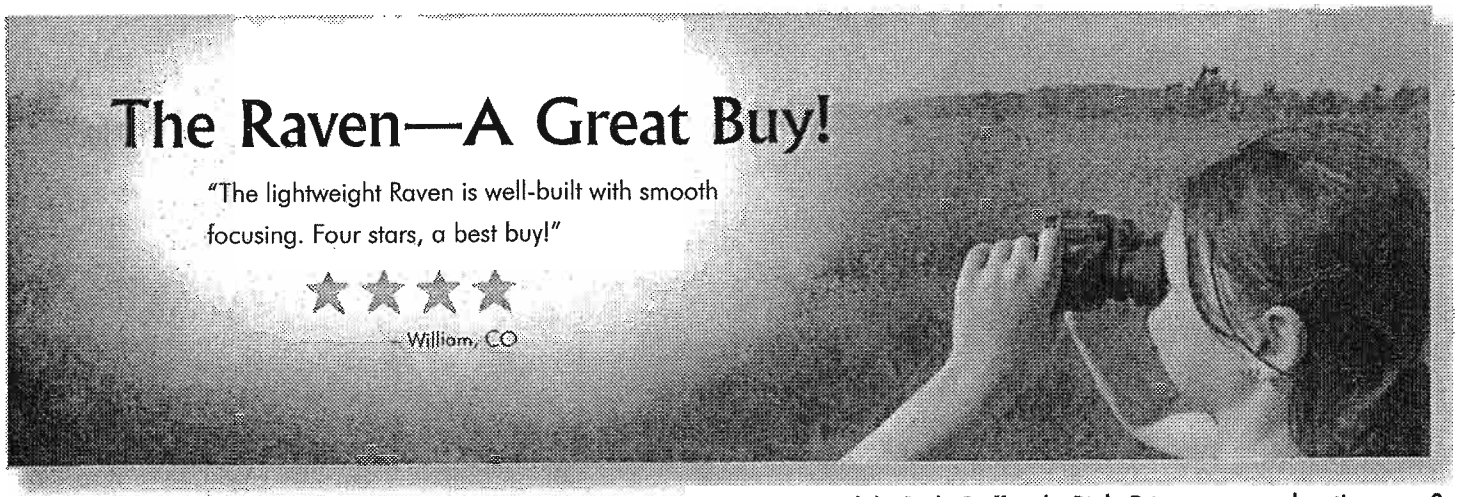
Triumph Full-Sized Features: Multi-coated, BaK-4 prisms, eyecups roll, center focus, right eye diopter. **Included:** Eyepiece and objective lens caps, neck strap, case. Eagle Optics limited lifetime warranty and Eagle Advantage repair certificate.

Triumph Compact Features: Fully multi-coated, BaK-4 prisms, eyecups twist, center focus, right eye diopter, waterproof (roof prisms). **Included:** Neck strap, case. Eagle Optics limited lifetime warranty and Eagle Advantage repair certificate.

Energy

Pick up this little roof prism binocular for use on a daytime hike, at the football game, or in the theater. The Energy has multi-coated lenses for bright views and a double-hinged design that folds into an easily portable size. With five great colors to choose from and an affordable price, you will want to order several Energy binoculars—one for yourself and more for friends.

Energy Features: Multi-coated, eyecups roll, center focus, right eye diopter. **Color Choices:** Star (silver), Moon (blue), Sun (yellow), Lava (red), Ocean (green). **Included:** Rainguard, neck strap, case. Eagle Optics limited lifetime warranty.



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Fujinon Binoculars

Fujinon warranty varies with binocular model.

Polaris

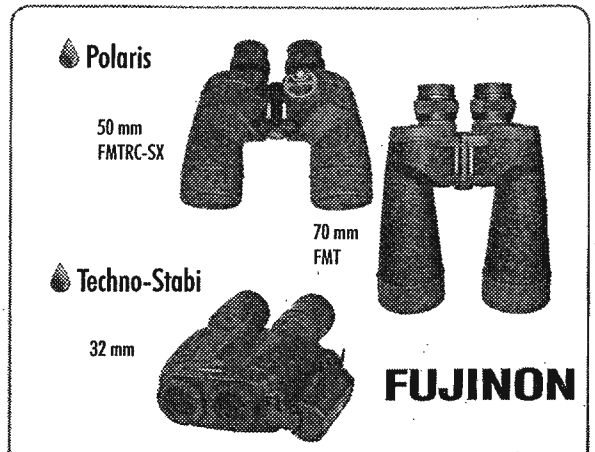
When you want the best binocular for marine or astronomy use, nothing surpasses the Fujinon Polaris FMT-SX binoculars. Fujinon applies special anti-reflection coatings to achieve the outstanding light transmission important for sharp details when viewing at a distance. Protected with waterproofing, fogproofing, and rubber armoring, these binoculars are highly valued by boaters and astronomers.

Polaris Features: Fully multi-coated, BaK-4 prisms, aluminum body, eyecups roll, rubber armor (select models), individual focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, (case for 10x50 FMT-SX). Fujinon limited lifetime warranty.

Techno-Stabi

The image stabilization technology built into the Fujinon Techno-Stabi binocular delivers views free of the distortion caused by uncontrolled movement. Fujinon applies special anti-reflection coatings to achieve outstanding light transmission important for sharp details when viewing at a distance. Perfect for use around the water, the Fujinon Techno-Stabi is protected with waterproofing and fogproofing.

Techno-Stabi Features: Fully multi-coated, waterproof, fogproof (nitrogen gas). **Included:** Two AA batteries, rainguard, neck strap, case (hard case for 14x40). Fujinon 1-year warranty.



	Polaris			Techno-Stabi	
	7x50	10x70	16x70	12x32	14x40
Eye Relief	23 mm	23 mm	12.4 mm	15 mm	13 mm
Close Focus	20.0'	27.0'	36.0'	16.5'	16.5'
Field of View (1000 Yards)	393'	279'	210'	263'	277'
Height	7.9"	11.25"	10.6"	7.0"	7.8"
Width	8.6"	9.75"	9.75"	5.6"	8.5"
Weight	(Listed Below)	76.2 oz	76.2 oz	37.8 oz	53.2 oz

7x50 Polaris Weights:
7x50 FMT-SX 50.1 ounces
7x50 FMTR-SX 53.6 ounces (Armored)
7x50 FMTRC-SX 55.0 ounces (Armored / Compass)

Kowa Binoculars

Kowa limited lifetime warranty.

Genesis

Kowa's top-performing Genesis binocular rewards you with fine details. By incorporating Prominar XD glass, your view through the Genesis benefits from enhanced resolution and reduced chromatic aberration. Fully multi-coated lenses and prisms provide excellent transmission of the light gathered through the objective lenses. The magnesium body of the Kowa Genesis is built tough for all weather conditions with waterproofing and fogproofing.

Genesis Features: Prominar XD glass, fully multi-coated, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, binocular harness strap, case.

BD Series

You can count on the waterproof and fogproof Kowa BD binoculars to perform well, regardless of the weather conditions. The Kowa BD compact is small in size, but not in performance. Select the Kowa BD mid-size binocular for great performance without extra bulk. Fully multi-coated optics and phase correction work together to deliver bright, sharp images with great color resolution.

BD Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, neck strap, case.

	Genesis				BD Series					
	8x33	10x33	8.5x44	10.5x44	8x25	10x25	8x32	10x32	8x42	10x42
Eye Relief	15 mm	15 mm	18.3 mm	16 mm	15 mm	17 mm	15 mm	15 mm	18.3 mm	17.6 mm
Close Focus	5.0'	5.0'	5.6'	56'	6.0'	6.0'	4.9'	4.9'	6.6'	6.6'
Field of View (1000 Yards)	420'	357'	366'	324'	331'	263'	394'	315'	331'	315'
Height	5.6"	5.6"	6.5"	6.5"	4.4"	4.4"	4.9"	5.0"	5.8"	5.8"
Width	4.9"	4.9"	5.4"	5.4"	4.2"	4.2"	4.8"	4.8"	5.0"	5.0"
Weight	20.8 oz	20.8 oz	33.5 oz	34.0 oz	11.5 oz	11.5 oz	19.8 oz	19.9 oz	25.7 oz	26.3 oz

Leica Binoculars

Leica limited lifetime warranty plus Leica's 3-year Passport Protection Plan.

Ultravid HD

Over 100 years of craftsmanship culminates in the impressive performance of the Leica Ultravid HD binocular. State-of-the-art design incorporates fluoride glass with anti-reflective coatings to enhance color resolution and increase light transmission. The optimized Leica focus knob functions smoothly regardless of temperature extremes. The AquaDura™ lens coating forces rain to roll off the lens surfaces, makes it easier to remove dirt and smudges, and provides better protection against scratching.

Ultravid HD Features: High-definition (HD) glass, fully multi-coated, phase corrected, dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas), AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Ultravid Series

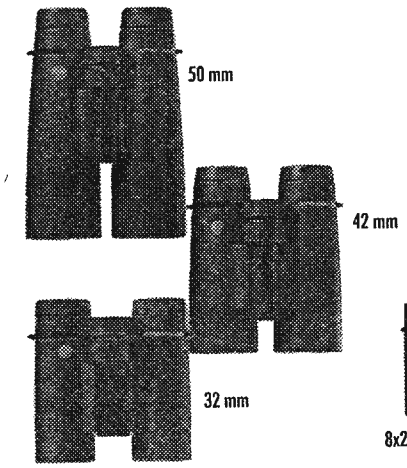
Leica's optical glass works behind the scene by reducing stray light and increasing light transmission and contrast. You'll applaud Leica's innovative HighLux-System (HLS) for such distinctive binocular quality... free of distracting color fringing. See for yourself what so many of our customers have already discovered—the elite performance of the Leica Ultravid, packaged in a compact or full size.

Ultravid Features: Fully multi-coated, phase corrected, dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor or leather trim, eyecups twist, center focus, locking right eye diopter, fogproof, AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

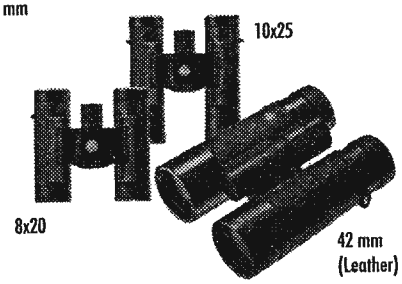
Leica

AquaDura® Lens Coating
Repels water and residue on outer glass surfaces.

Ultravid HD Series



Ultravid Series



	Ultravid HD Series								Ultravid Series			
	8x32	10x32	7x42	8x42	10x42	8x50	10x50	12x50	8x20	10x25	8x42	10x42
Eye Relief	13.3 mm	13.2 mm	17 mm	15.5 mm	16 mm	17 mm	17 mm	13 mm	16 mm	15 mm	15.5 mm	16 mm
Close Focus	6.9'	6.6'	10.8'	9.8'	9.5'	11.5'	10.8'	10.5'	7.2'	10.5'	9.8'	9.5'
Field of View (1000 Yards)	404'	352'	420'	389'	336'	352'	352'	299'	341'	273'	390'	336'
Height	4.6"	4.8"	5.6"	5.6"	5.8"	7.1"	7.0"	7.1"	3.6"	4.4"	5.6"	5.8"
Width	4.6"	4.6"	4.8"	4.8"	4.8"	4.8"	4.9"	4.8"	4.4"	4.4"	4.8"	4.8"
Weight	18.9 oz	19.9 oz	27.2 oz	27.9 oz	26.5 oz	35.3 oz	35.3 oz	36.7 oz	8.5 oz	9.4 oz	25.0 oz	24.7 oz

Our Customers Are Talking

"I would rate your customer service **A+** and will be referring everyone I know to your store."
– Jacob, KS

"This is the third pair of binoculars I have bought from Eagle Optics... I would not think of looking elsewhere."
– Bob, AZ

"Everyone I have talked to at your company has been courteous and professional, plus, your prices are very competitive!"
– John, CA

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Leupold Binoculars

Leupold warranty varies with binocular model.

Golden Ring HD

The Leupold Golden Ring HD binocular offers high performance without the high price. Vivid color and tack-sharp details are delivered through the high-definition lenses. Leupold's innovative interpupillary distance lock offers you single-handed control. Built tough to protect against weather extremes, the Leupold Golden Ring HD is a great value.

Golden Ring HD Features: High-density (HD) glass, fully multi-coated lenses, phase correction, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, harness strap, neck strap, case. Leupold full lifetime warranty.

Northfork

How can a 45 mm binocular feel slim in the hand? Pick up the Leupold Northfork and find out! The Northfork body is designed with a narrow bridge that allows a noticeably comfortable and ergonomic feel. The multi-coated lenses optimize light transmission and enhanced, phase corrected Bak-4 prisms provide the sharp, edge-to-edge view you desire. Waterproofing, fogproofing, and rubber armoring make the Northfork a top choice for rugged use.

Northfork Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Leupold limited lifetime warranty.

Pinnacles

The Leupold Pinnacles is a great all-around binocular with phase corrected, multi-coated optics and silver-enhanced prisms for improved image quality. Protected by waterproofing and fogproofing, you can use this binocular without any weather worries.

Pinnacles Features: Fully multi-coated, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case. Leupold limited lifetime warranty.

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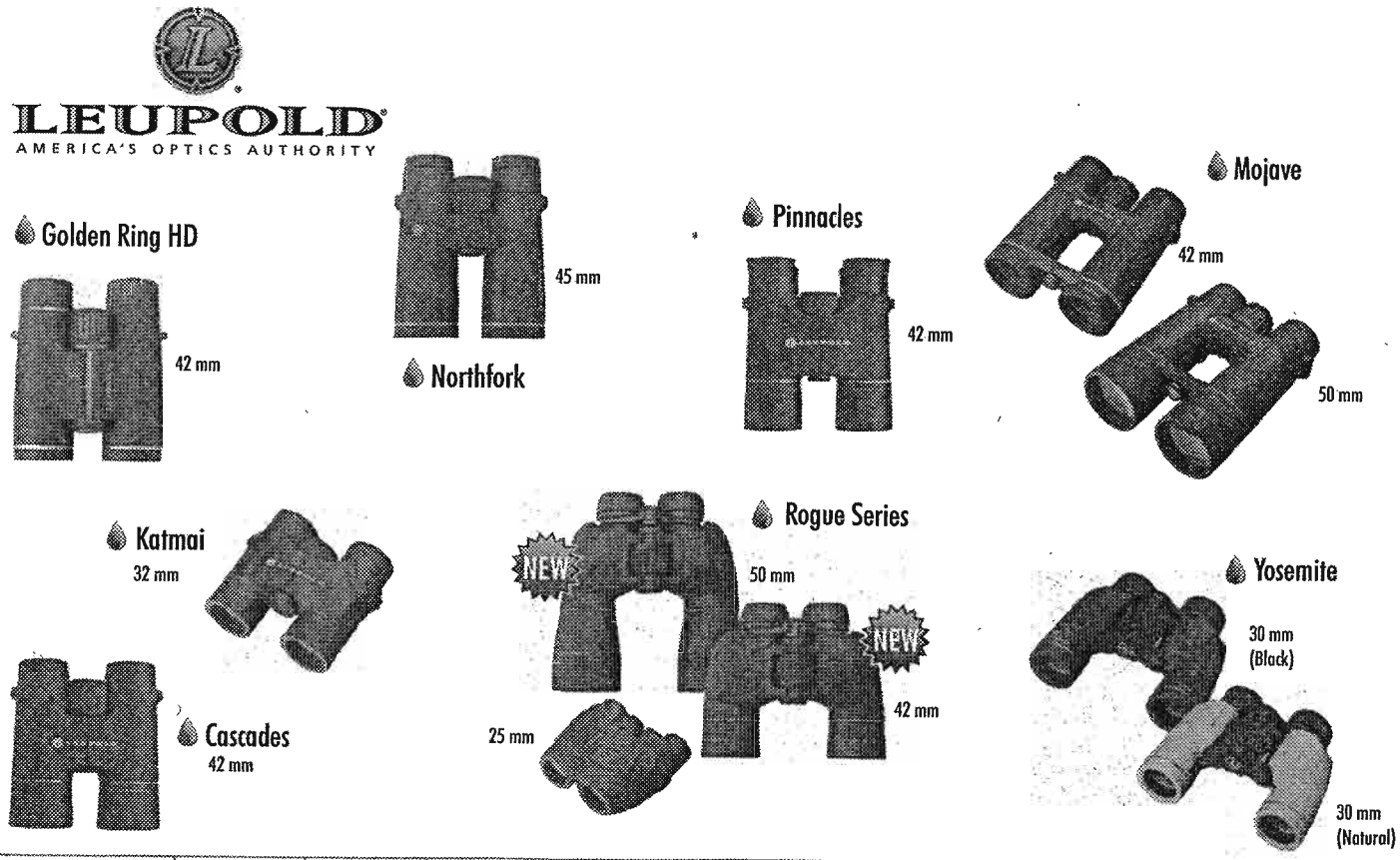


	Golden Ring HD		Northfork		Pinnacles		Mojave				Katmai			Cascades Roof Prism		Rogue						Yosemite	
	8x42	10x42	8.5x45	10.5x45	8x42	10x42	8x42	10x42	10x50	12x50	6x32	8x32	10x32	8x42	10x42	8x25	10x25	8x42	10x42	8x50	10x50	6x30	8x30
Eye Relief	16.5 mm	16 mm	19.5 mm	16.3 mm	17.8 mm	16.5 mm	18 mm	16 mm	17 mm	17 mm	19.2 mm	15.9 mm	10.2 mm	18 mm	16 mm	15 mm	15 mm	16.5 mm	15.6 mm	20.7 mm	15 mm	20 mm	14 mm
Close Focus	7.0'	7.0'	9.8'	9.8'	6.6'	6.6'	12.9'	12.9'	15.0'	9.9'	4.9'	4.9'	4.9'	9.9'	9.9'	14.1'	14.1'	24.0'	21.0'	34.0'	30.0'	16.4'	16.4'
Field of View (1000 Yards)	381'	340'	346'	325'	341'	267'	348'	267'	262'	220'	425'	335'	272'	341'	267'	337'	294'	341'	331'	331'	288'	420'	393'
Height	6.0"	6.0"	6.1"	6.1"	5.5"	5.5"	5.6"	5.6"	6.6"	6.6"	4.1"	4.1"	4.1"	5.5"	5.5"	4.3"	4.3"	5.5"	5.7"	7.3"	7.0"	4.6"	4.5"
Width	5.25"	5.25"	4.8"	4.8"	4.75"	4.75"	4.8"	4.8"	5.3"	5.3"	4.75"	4.75"	4.75"	5.2"	5.2"	4.8"	4.8"	7.0"	TBD	TBD	7.5"	6.3"	6.3"
Weight	33.2 oz	33.8 oz	27.0 oz	27.0 oz	23.0 oz	25.0 oz	23.0 oz	23.0 oz	28.2 oz	28.2 oz	18.2 oz	18.9 oz	18.2 oz	22.9 oz	23.1 oz	12.7 oz	12.7 oz	23.5 oz	24.2 oz	29.7 oz	33.0 oz	17.0 oz	18.5 oz

Katmai

Once a customer has the Leupold Katmai in their hands, they recommend it to friends and come back for more. Optic users who demand portability without sacrificing quality appreciate the compact size, light weight, and bright views of the Katmai. Leupold incorporates L-coated prisms with 64 layers of anti-reflective coatings for extra light transmission you will notice.

Katmai Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Mojave

Delighting users with bright, crisp views, the Leupold Mojave delivers by capturing the fine details you crave. The open-hinged body and well-balanced weight of the Mojave feels great in your hands. Leupold incorporates a fully multi-coated lens system and mirror-coated prisms which take the Mojave's optical performance to a new level. With waterproofing, fogproofing, and rubber armoring, the Mojave is ready for whatever you demand.

Mojave Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Cascades

Grab the lightweight Cascades for day-long exploration and delight in the views. Multi-coatings and phase correction ensure brightness. Waterproofing and fogproofing protect the internal optics.

Cascades Features: Multi-coated, rubber armor, twist-eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Leupold limited lifetime warranty.

Rogue

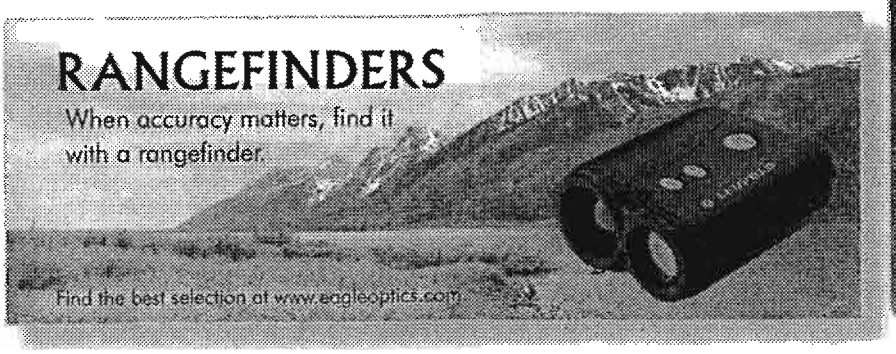
A porro prism binocular is a classic favorite for its performance and value, and the Leupold Rogue delivers both. Expect bright views from the Rogue's fully multi-coated lenses. The locking focus conveniently holds the focus on one area during lengthy periods of viewing. The reverse porro prism design of the compact Leupold Rogue delivers convenience in a palm-sized body.

Rogue (Full Size) Features: Fully multi-coated, rubber armor, center focus, multi-position eyecups, right eye diopter, waterproof. **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Yosemite

Order one for yourself and a young explorer, and experience why the Leupold Yosemite creates excitement in the sport optics market. Describing the Yosemite optics as bright doesn't sufficiently depict the excellent light transmission of this economical porro prism binocular. A wide field of view only enhances the enjoyment of using the Yosemite. The small interpupillary distance accommodates a wide range of users. A choice of colors will help you outfit the whole family.

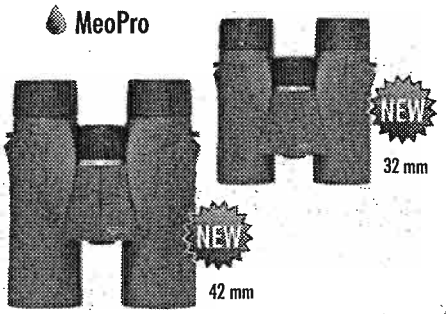
Mojave Features: Multi-coated, rubber armor, eyecups twist, center focus, right eye diopter, waterproof. **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.



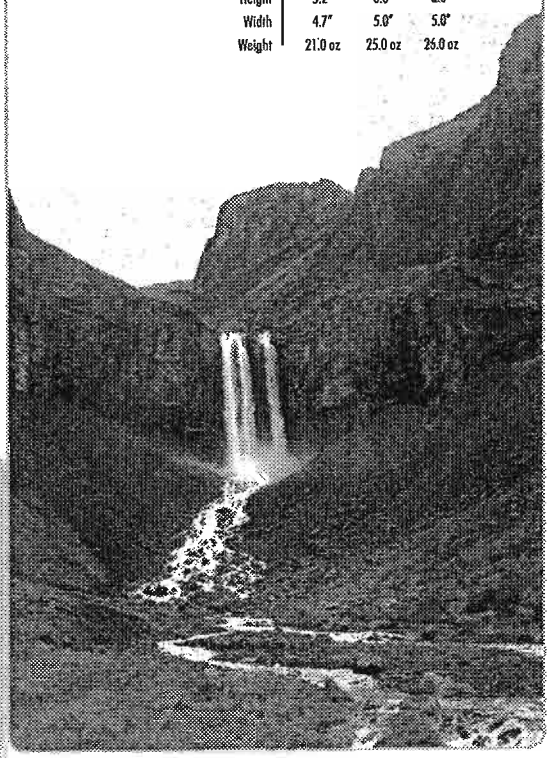
Meopta MeoPro

For premium performance at the right price, the MeoPro is the way to go. With proprietary ion-assisted lens coatings, this binocular delivers an industry-leading light transmission of 99.8 percent. You'll also enjoy the precise focusing mechanism, generous eye relief, multi-position twist eyecups, 5-foot close focus, and wide field of view.

MeoPro Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, aluminum body, multi-position eyecups, center focus, right eye diopter on center focus wheel, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens caps, neck strap, case. Meopta lifetime transferable warranty.



	MeoPro		
	6.5x32	8x42	10x42
Eye Relief	19 mm	18 mm	18 mm
Close Focus	3.0'	5.0'	5.0'
Field of View (1000 Yards)	440'	366'	330'
Height	5.2"	6.0"	6.0"
Width	4.7"	5.0"	5.0"
Weight	21.0 oz	25.0 oz	26.0 oz



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Minox Binoculars

Minox 30-year limited warranty.

Minox APO HG

Who knew a high-performance, top-quality binocular could weigh in at a comfortable 23.3 ounces? Made in Germany, the Minox APO-HG blends the quality of old-world craftsmanship with the newest technology available. Minox worked with glass engineers to perfect the glass composition for the Schott fluoride ED glass lenses. The apochromatically-corrected binoculars deliver a brilliant image free from color fringing. A single turn of the focus knob brings you from close-up to infinity, and a scale on the focus wheel measures the distance to the subject in your view.

APO HD Features: Extra-low dispersion (ED) glass, fully multi-coated (M* coatings), phase corrected, BaK-4 prisms, magnesium body, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), Minotec external lens coating. **Included:** Rainguard, neck strap, case, wooden storage box.

Minox CB BL

You use binoculars to see more of the world around you, and the 44 mm Minox CB (comfort bridge) BL binocular aims to please with a 16 percent increase in field of view over the previous BL. The rubber-armored, polycarbonate body and comfort bridge design feels exceptionally comfortable and light in the hand. Powerful light-gathering optical systems use multi-coated lens elements for views in natural color. With phase corrected roof prisms, the images you see will offer excellent detail and sharp contrast.

CB BL Features: Fully multi-coated, phase corrected, BaK-4 prisms, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

Minox BL BR

Minox incorporates a lightweight polycarbonate body and ridged rubber armoring in a binocular that is easy to carry and comfortable to hold. Adding to your enjoyment is the contrast, detail, and color resolution delivered through the phase corrected prisms and fully multi-coated optics. The exceptional light gathering of the Minox BL BR with 56 mm objective lenses serves you well for astronomy use and scanning distant horizons.

BL BR Features: Fully multi-coated, phase corrected, BaK-4 prisms, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Minox BV BRW

Minox's take-anywhere compact fits the bill with high light transmission, a wide field of view and a close focus of 4.9 feet. With waterproof and fogproof protection of internal optics, the BV BRW is an excellent performer on any occasion.

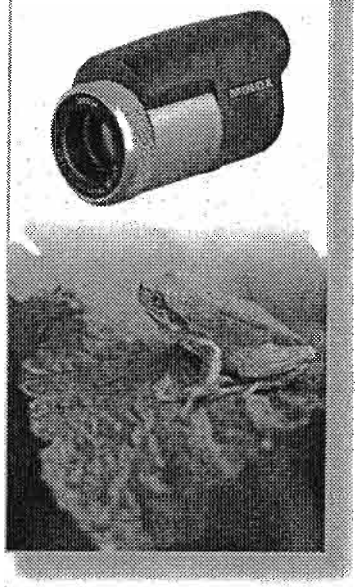
BV BRW Features: Multi-coated (M* coatings), phase corrected, BaK-4 prisms, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case.

	APO HG		HG BR					CB BL		BL BR				BV BRW	
	8x43	10x43	8x33	8x43	10x43	8.5x52	10x52	8x44	10x44	8x32	8x42	8x56	13x56	8x25	10x25
Eye Relief	19.5 mm	16.5 mm	16.5 mm	19.5 mm	16.5 mm	19.4 mm	19.5 mm	19.5 mm	17 mm	15.5 mm	19.5 mm	20.8 mm	15.2 mm	15.5 mm	15.5 mm
Close Focus	8.2'	8.2'	4.9'	8.2'	8.2'	11.5'	11.5'	8.0'	8.0'	6.2'	8.0'	29.5'	23.0'	4.9'	4.9'
Field of View (1000 Yards)	394'	355'	443'	394'	355'	317'	278'	410'	341'	394'	341'	326'	263'	390'	315'
Height	6.5"	6.5"	5.3"	6.0"	6.0"	6.9"	6.6"	5.3"	5.3"	4.8"	5.7"	6.7"	6.7"	4.3"	4.3"
Width	5.2"	5.2"	5.2"	5.2"	5.2"	5.3"	5.2"	2.3"	2.3"	5.0"	5.0"	5.7"	5.7"	3.9"	3.9"
Weight	23.3 oz	23.3 oz	21.3 oz	22.9 oz	23.3 oz	27.3 oz	28.0 oz	26.0 oz	26.0 oz	18.5 oz	22.9 oz	36.9 oz	38.1 oz	10.4 oz	10.4 oz

Minox 8x25 Minoscope

The Minoscope—an Eagle Optics Staff Pick!

More monocular choices on page 26, or visit us at www.eagleoptics.com.



HG BR Binoculars

Aiming for performance at the highest level, the engineers at Minox created the high-grade HG binocular. With the advanced technology of a newly designed optical system and 21 layers of lens coatings, the HG offers you impressive light transmission. Aspherical lenses enhance the contrast and sharpness of the image from edge to edge. A single turn of the focus knob brings you from close-up to infinity. A scale on the focus wheel measures the distance to the subject in your view.

HG BR Binocular Features: Fully multi-coated (M* coatings), phase corrected (Minobright® coatings), BaK-4 prisms, magnesium body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), Minotec external lens coating. **Included:** Neck strap, case.

Nikon Binoculars

Nikon 25-year limited warranty plus Nikon's No-Fault Repair/Replacement policy.

EDG

Designed to push your viewing to the edge of darkness, the EDG is Nikon's premier binocular. Engineered with the foremost optical features from Nikon, the EDG delivers superior sharpness, color resolution, and brightness. An open-hinge design provides users the comfort of wrapping each hand around the ergonomically balanced barrels. The strong magnesium alloy body, waterproofing, and fogproofing means the EDG is ready for rugged use.

EDG Features: Extra-low dispersion (ED) glass, fully multi-coated, phase corrected, Dielectric prism coatings, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, lens covers, neck strap, case.

Monarch X

The Monarch X joins the ranks of another Nikon binocular you will love! With Nikon's advanced dielectric, high-reflective, multilayer prism coating you won't head home until the last second of daylight. Solid construction is balanced across the ergonomic, open-hinged design. With the large central focus knob, you can quickly find subjects regardless of distance.

Monarch X Features: Fully multi-coated, phase corrected, dielectric prism coatings, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Monarch III

Nikon's most well-known 42 mm binocular now has dielectric prism coatings! Favored for a large variety of uses, the Monarch III's lightweight Eco-glass, fully multi-coated optics, and prisms with phase correction and dielectric coatings combine to deliver bright views. Nikon readies the Monarch for any weather conditions with waterproofing and fogproofing.

Monarch III Features: Fully multi-coated, phase corrected, BaK-4 prisms, dielectric coatings, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers (caps on 36 mm), neck strap, case.

Eagle Optics

BLOG

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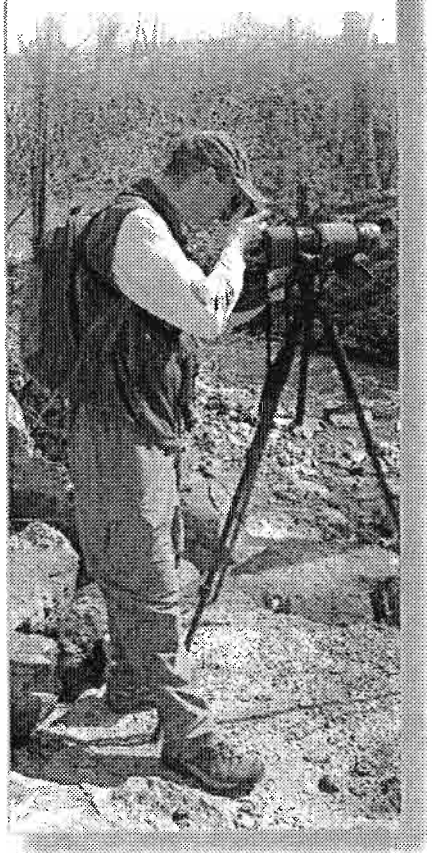
www.eagleopticsblog.com

	EDG					Monarch X		Monarch III		
	8x32	10x32	7x42	8x42	10x42	8.5x45	10.5x45	8x42	10x42	12x42
Eye Relief	18.5 mm	17.3 mm	22.1 mm	19.3 mm	18 mm	20.6 mm	16 mm	19.6 mm	15.5 mm	15.4 mm
Close Focus	8.2'	8.2'	9.8'	9.8'	9.8'	9.8'	9.8'	8.2'	8.2'	8.2'
Field of View (1000 Yards)	409'	341'	419'	403'	341'	330'	330'	330'	314'	62'
Height	5.6"	5.6"	5.9"	5.8"	5.9"	6.1"	6.1"	5.7"	5.6"	5.7"
Width	5.3"	5.3"	5.4"	5.4"	5.4"	5.5"	5.5"	5.0"	5.0"	5.0"
Weight	23.6 oz	23.6 oz	28.6 oz	28.6 oz	28.9 oz	25.4 oz	25.7 oz	21.5 oz	21.5 oz	21.8 oz



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Nikon's ATB Series (All Terrain Binoculars)

Nikon's All Terrain Binoculars (ATB) keep up with the most passionate explorer—no matter the weather conditions. See for yourself why an ATB binocular is the preferred tool for so many outdoor enthusiasts.

Monarch PC ATB

With the multitude of Monarch owners, this could be Nikon's most well-known binocular. Favored for a large variety of uses, the Monarch's lightweight Eco-glass, fully multi-coated optics, and phase corrected prisms combine to deliver bright views. Nikon readies the Monarch for any weather conditions with waterproofing and fogproofing.

Monarch III Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers (caps on 36 mm), neck strap, case.

Action Extreme ATB

An economically priced binocular that doesn't compromise performance, the Nikon Action Extreme is a popular choice among customers. Naturalists love this binocular for its exceptionally wide field of view. A proven classic porro prism design, the Action Extreme's construction includes waterproofing, fogproofing, and rubber armoring.

Action Extreme Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable. **Included:** Rainguard, objective lens caps, neck strap, case.

ProStaff ATB

Another great Nikon binocular, the ProStaff is a consistent choice for customers wanting the brightest view without paying the highest price. With a lot of value packed into the rubber armored, polycarbonate body, the ProStaff is waterproof and fogproof for use in any weather. See for yourself why so many are hooked on the ProStaff.

ProStaff Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap case.

	Monarch PC ATB					Action Extreme ATB						ProStaff ATB			Trailblazer ATB					Action Zoom	
	8x36	10x36	8.5x56	10x56	12x56	7x35	8x40	7x50	10x50	12x50	16x50	8x25	10x25	12x25	8x25	10x25	8x42	10x42	10x50	7-15x35	10-22x50
Eye Relief	17 mm	15 mm	19.2 mm	17.4 mm	16.3 mm	17.3 mm	17.2 mm	17.1 mm	17.2 mm	16.1 mm	17.8 mm	15.5 mm	15.9 mm	15.9 mm	10 mm	10 mm	19.7 mm	15.4 mm	19.6 mm	8.7mm (7x)	8.6mm (10x)
Close Focus	8.2'	8.2'	32.8'	32.8'	32.8'	16.4'	16.4'	23'	23'	23'	23'	9.2'	9.2'	9.2'	8.2'	11.5'	16.4'	16.4'	16.4'	36'	49.2'
Field of View (1000 Yards)	367'	314'	324'	315'	288'	487'	430'	335'	341'	288'	183'	330'	262'	220'	429'	342'	367' (1000	293' (1000	293' (1000	288' (7x)	199' (10x)
Height	4.9"	4.8"	7.8"	7.8"	7.8"	4.7"	5.4"	7.0"	7.0"	7.0"	7.0"	3.9"	4.0"	4.1"	4.1"	4.1"	6.1"	5.9"	7.4"	5.4"	7.8"
Width	5.1"	5.1"	5.7"	5.7"	5.7"	7.2"	7.4"	7.7"	7.7"	7.7"	7.7"	4.5"	4.5"	4.5"	4.5"	4.5"	5.2"	5.2"	5.5"	7.2"	7.6"
Weight	19.8 oz	19.9 oz	40.2 oz	40.7 oz	41.6 oz	28.2 oz	30.1 oz	35.3 oz	36.0 oz	36.8 oz	36.7 oz	12.5 oz	12.9 oz	12.9 oz	9.9 oz	9.9 oz	23.6 oz	22.4 oz	29.1 oz	28.4 oz	36.2 oz

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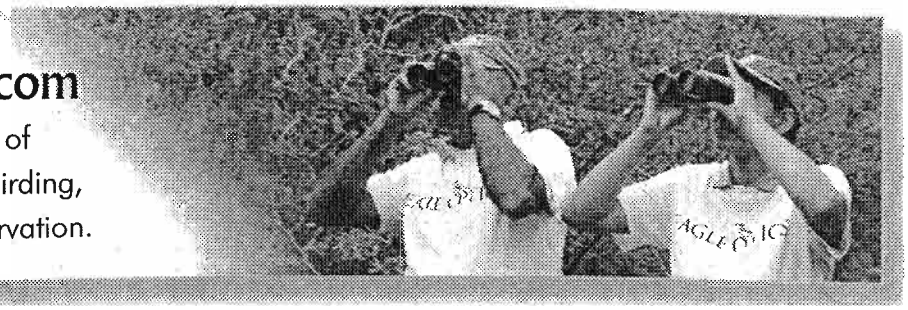


Trailblazer ATB

The Trailblazer binocular is sure to be a favorite for nature observation. A generous field of view helps you find and follow wildlife on the move. When it comes to getting a better look at butterflies and other insects, it's hard to beat the details you'll see from as close as eight feet. The waterproof and fogproof Trailblazer is a perfect choice to weather unexpected storms.

Trailblazer Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.

Action Zoom XL

The Nikon Action Zoom offers you versatility in a binocular. The lower magnification allows you to spot your subject, then zoom in for increased detail. Multi-coated optics provide increased light transmission. Rubber armoring and a large focus knob equal a comfortable and easy-to-use binocular.

Action Zoom Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups roll, center focus, right eye diopter, tripod adaptable. **Included:** Rainguard, objective lens caps, neck strap, case.

Pentax Binoculars

Pentax Worry-Free lifetime warranty.

Pentax DCF ED

The DCF ED is Pentax's best binocular and tops the list for shoppers wanting superior brightness and edge-to-edge sharpness. The lightweight magnesium alloy body, 22 mm eye relief, and 6.6 foot close focus make this binocular a valuable tool for use in a variety of situations. With ED glass, phase coated roof prisms, and fully multi-coated optics, the Pentax DCF ED guarantees outstanding color resolution, tack-sharp images, and excellent light transmission.

DCF ED Features: Extra-low dispersion (ED) glass, fully multi-coated, phase corrected, BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Pentax DCF SP

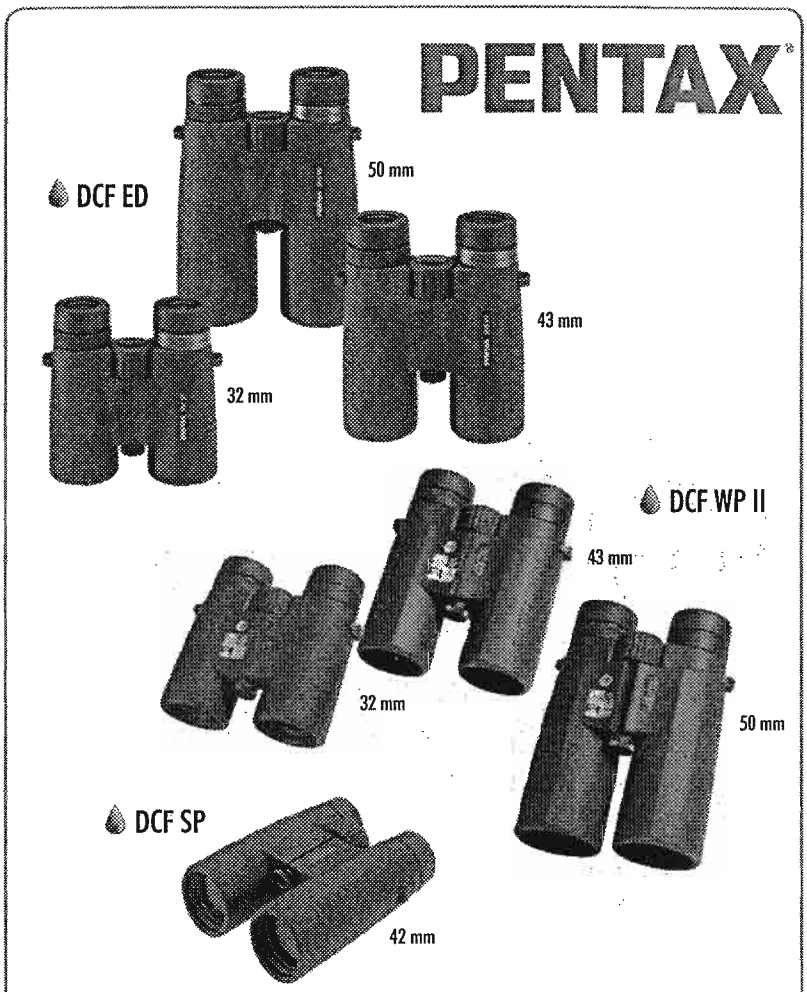
Don't doubt the performance of the mid-priced Pentax DCF SP. This binocular presents a remarkably bright and sharp view of the action from sunrise to sunset. Built on a strong magnesium frame, the waterproof and fogproof DCF SP is a definite customer favorite.

DCF SP Features: Fully multi-coated, phase corrected, BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Pentax DCF WP II

Pentax includes lots to love about the DCF WP II binocular. A long 17 mm eye relief and eyecups with four click-stop adjustments make this binocular especially user-friendly. Built on an aluminum alloy body with rubber armoring, the waterproof and fogproof DCF WP II is ready for whatever the outdoors throws your way.

DCF WP II Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.



	DCF ED				DCF SP				DCF WP II	
	8x32	8x43	10x43	10x50	8x32	8x43	10x43	10x50	8x42	10x42
Eye Relief	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	22 mm	17 mm
Close Focus	4.9'	6.6'	6.5'	11.5'	4.9'	6.6'	6.6'	11.5'	8.2'	8.2'
Field of View (1000 Yards)	393'	330'	315'	261'	393'	330'	315'	261'	330'	315'
Height	5.0"	5.7"	5.7"	6.7"	5.0"	5.7"	5.7"	6.7"	5.7"	5.7"
Width	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"
Weight	23.5 oz	25.2 oz	25.8 oz	30.2 oz	23.2 oz	24.5 oz	25.0 oz	29.6 oz	28.2 oz	28.2 oz

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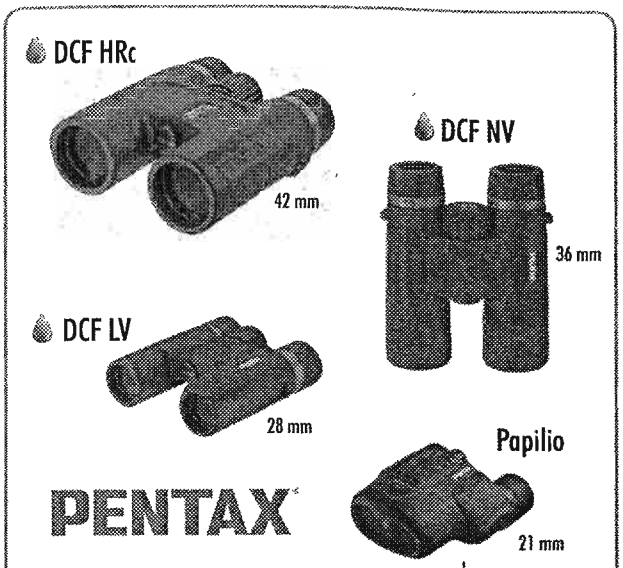


	DCF HRc		DCF LV	DCF NV		Papilio	
	8x42	10x42	9x28	8x36	10x36	6.5x21	8.5x21
Eye Relief	21 mm	18 mm	18.0 mm	16.0 mm	17.5 mm	15 mm	15 mm
Close Focus	8.2'	8.2'	9.9'	9.8'	9.8'	1.6'	1.6'
Field of View (1000 Yards)	393'	315'	294'	342'	288'	393'	315'
Height	5.8"	5.7"	4.6"	6.1"	6.1"	4.5"	4.6"
Width	5.2"	5.2"	4.5"	5.1"	5.1"	4.3"	4.3"
Weight	23.6 oz	23.3 oz	12.9 oz	22.6 oz	22.6 oz	10.2 oz	10.2 oz

Papilio

Just like a portable microscope, the Pentax Papilio is perfect for getting a complete view of the wondrous colors and patterns of butterflies, insects, or flowers. You will enjoy a mosaic of details with the outstanding 1.6 foot close focus. The fully multi-coated optics increase light transmission to deliver the subtleties of nature and art.

Pentax DCF HRc

Pentax guarantees reliability through the seasons with the waterproof and fogproof construction of the DCF HRc. The fully multi-coated optics increase light transmission on cloudy days. Sharp images and true color resolution are delivered through phase corrected prisms.

DCF HRc Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

Pentax DCF NV

Another fine addition to the Pentax DCF series, the mid-size NV binocular is outfitted with everything you need to enjoy terrific views. With phase-coated roof prisms providing high resolution and contrast, and fully multi-coated lenses increasing light transmission and color quality, you won't miss any of nature's beauty. A generous eye relief and the four-position eyecups will deliver viewing comfort during a day-long outing.

DCF NV Features: Fully multi-coated, phase corrected, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Case.

Pentax DCF LV

Selected by Outdoor Life Magazine as the 2008 winner of Editor's Choice and Great Buy awards, the Pentax DCF LV earns high praise. Whether you are scanning open prairie or dense woodlands, the impressive performance of the Pentax DCF LV promises to make this binocular indispensable for daily outings. Protected for use in tough weather, the DCF LV is waterproof and fogproof.

UCF WP Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.

Papilio Features: Fully multi-coated, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter. Convergent Lens Optical System Engineering (C.L.O.S.E.). **Included:** Rainguard, neck strap, case.

Eagle Optics on Location!

As supporters and sponsors of numerous birding and nature festivals, the Eagle Optics staff attends many events throughout the course of the year—and we relish the opportunities to meet our customers in person!

On the road again...

Have you ever wished you could visit Eagle Optics, but don't have Southern Wisconsin on your travel itinerary? No worries—look for our showroom on the road at a location near you! If there's a specific model you're interested in seeing, let us know!

Visit us at a festival...

For the latest list of birding and nature festivals our staff will attend, go to **www.eagleoptics.com/articles/eo-on-location.**

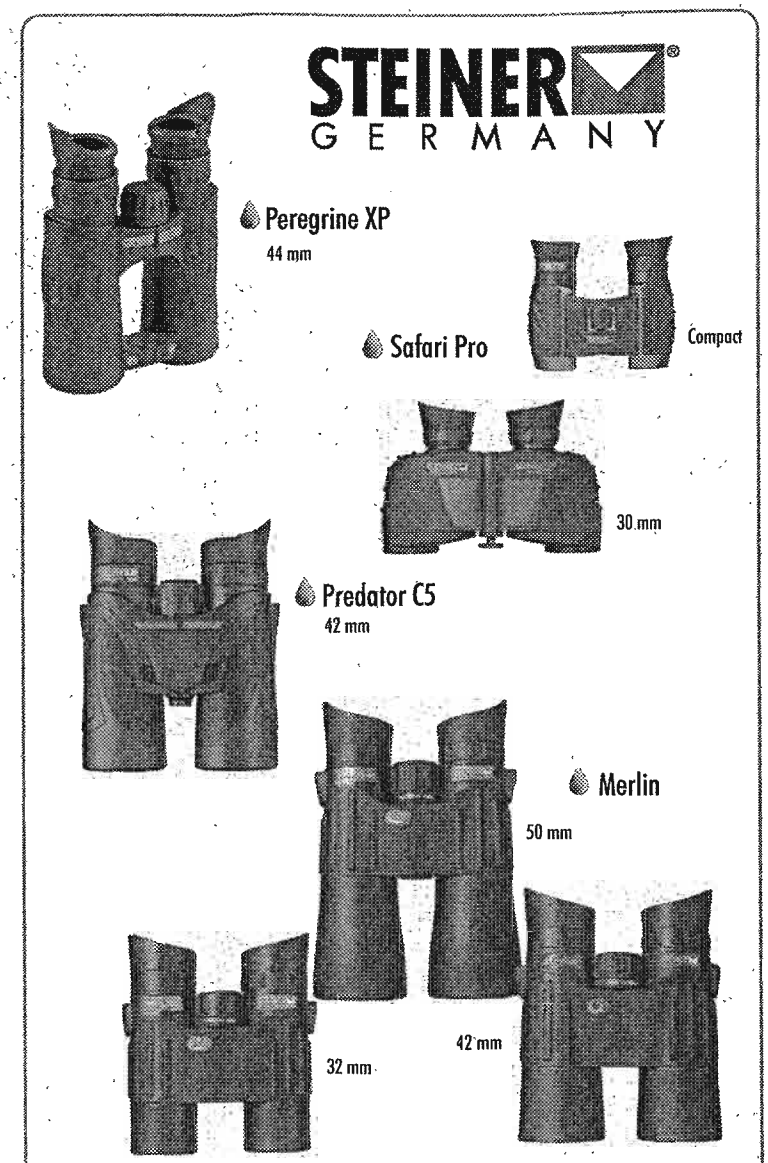
Steiner Binoculars

Steiner warranty varies with binocular model.

Peregrine XP

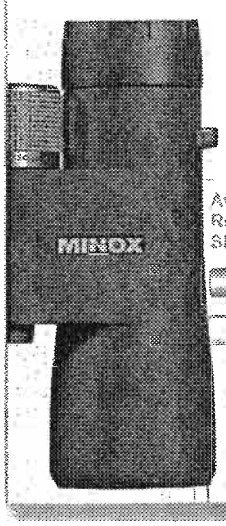
Many years of binocular know-how culminates in Steiner's top-of-the-line Peregrine XP. Packed in a lightweight magnesium body, the ergonomic body style has gel-filled grips and thumb pads for extra comfort. The smooth focus wheel needs only 1.5 turns to travel from near to infinity. High definition optics developed by Steiner result in optimal brightness, color, and contrast.

Peregrine XP Features: Fully multi-coated, phase corrected, dielectric prism coatings, magnesium body, rubber armor, eyecups roll, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, interchangeable winged eyecups, neck strap, case. Steiner 30-year limited warranty.

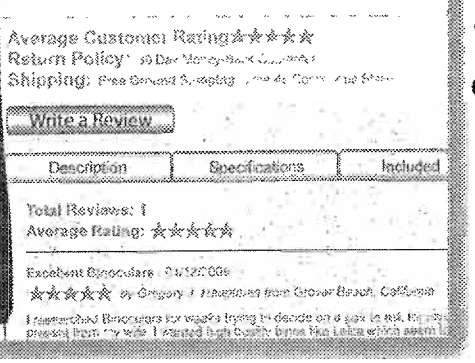


	Peregrine XP		Safari Pro			Predator C5		Merlin			
	8x44	10x44	8x22	10x26	8x30	10x42	12x42	8x32	8x42	10x42	10x50
Eye Relief	20 mm	20 mm	12.7 mm	12.4 mm	15 mm	17 mm	16 mm	15 mm	19 mm	16 mm	18 mm
Close Focus	6.5'	6.5'	10.0'	11.5'	20.0'	6.5'	6.5'	8.9'	6.9'	7.9'	8.0'
Field of View (1000 Yards)	390'	328'	369'	309'	360'	315'	276'	336'	342'	274'	264'
Height	7.4"	7.4"	4.0"	4.7"	2.4"	6.5"	6.5"	5.5"	6.4"	6.4"	7.3"
Width	4.5"	4.5"	4.8"	4.8"	6.8"	4.8"	4.8"	5.2"	5.2"	5.2"	5.2"
Weight	30.0 oz	30.0 oz	9.7 oz	9.7 oz	18.0 oz	26.4 oz	27.1 oz	20.0 oz	23.0 oz	24.0 oz	26.0 oz

Customer Reviews



Read product reviews online from customers like yourself, or write your own review!



Safari Pro

You will want to take the feather light and compact Safari Pro on your next hike, but its stylish design will easily fit in at the theater. The large center focus wheel allows for fast focusing and the unique shape feels very comfortable to the hand.

Sport lovers and nature enthusiasts will find the mid-size Safari Pro a pleasure to handle and comfortable for viewing over long periods of time. The Steiner auto-focus system allows you to focus initially at 20 yards, then stays focused from 20 yards to infinity. Soft rubber eyecups are flared and roll up and down for use with or without eyeglasses.

Safari Pro Features: Auto focus (30 mm), center focus (compacts), eyecups roll. **Included:** Neck strap, case. Steiner 10-year limited warranty.

Predator C5

Specifically developed as a tool for hunters and outdoor enthusiasts, the Predator C5 offers a high degree of light transmission, image resolution, and color contrast to make animals and other objects pop out of the shadows. The polycarbonate chassis is durable and the optics are protected with waterproofing and fogproofing.

Predator C5: Fully multi-coated, phase corrected, dielectric prism coatings, polycarbonate body, rubber armor, eyecups twist, center focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Steiner 30-year limited warranty.

Merlin Series

Steiner's focus on developing birding binoculars resulted in the popular Merlin. Along with phase corrected prisms, the Merlin's optics include premium glass with Steiner's specialized coatings for natural color transmission. The Merlin features soft, angled eyecups, generous eye relief, and are lightweight for comfortable viewing over extended periods.

Merlin Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups roll, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Steiner 10-year warranty.

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Swarovski Binoculars

Swarovski limited lifetime warranty.

Swarovski EL 42 mm Swarovision

Taking another step on the path to perfection, the EL 42 Swarovision may have reached its destination. This generation of the EL binocular comes with revolutionary new innovations to provide virtually even images with razor-sharp clarity and outlines. Improved coating technology sets new standards for brilliance and image definition and guarantees optimum contrast in low light situations. Factor in the phenomenal field of view offered by the EL 42 Swarovision and you have a binocular that will garner the appreciation of the most demanding user.

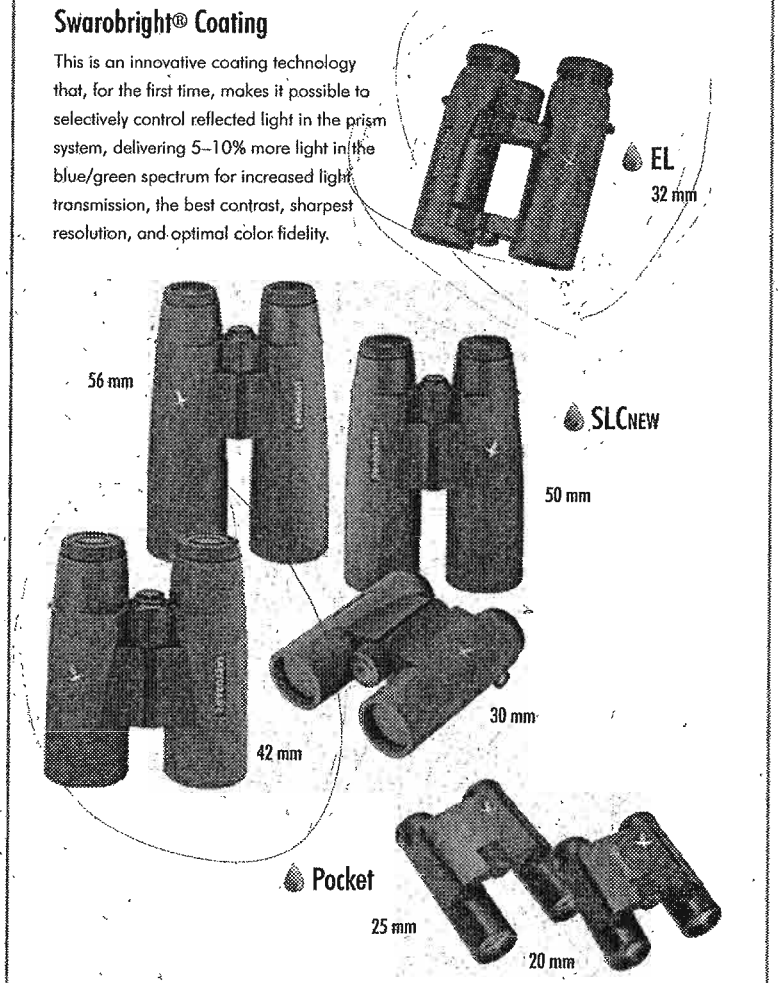
EL Swarovision Features: High-density (HD) glass, fully multi-coated, phase corrected, dielectric prism coatings (Swarobright), magnesium body, rubber armor, multi-position eyecups, center focus, locking right eye diopter on center focus wheel, waterproof, fogproof (nitrogen gas), Swaroclean external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, Swarovski Snap Shot adapter.

EL Swarovision	8.5x42	10x42
Eye Relief	20 mm	20 mm
Close Focus	4.9'	4.9'
Field of View (1000 Yards)	399'	336'
Height	6.3"	6.3"
Width	4.8"	4.8"
Weight	28.0 oz	28.0 oz

SWAROVSKI

Swarobright® Coating

This is an innovative coating technology that, for the first time, makes it possible to selectively control reflected light in the prism system, delivering 5–10% more light in the blue/green spectrum for increased light transmission, the best contrast, sharpest resolution, and optimal color fidelity.



	EL		SLCNEW								Pocket	
	8x32	10x32	8x30	7x42	10x42	7x50	8x50	10x50	8x56	15x56	8x20	10x25
Eye Relief	15 mm	12 mm	15 mm	19 mm	14 mm	23 mm	21 mm	17 mm	22 mm	13 mm	13 mm	13 mm
Close Focus	7.0'	7.0'	13.0'	13.0'	13.0'	20.0'	20.0'	16.0'	30.0'	26.0'	13.0'	16.0'
Field of View (1000 Yards)	420'	360'	408'	420'	330'	372'	369'	336'	345'	231'	345'	285'
Height	5.4"	5.4"	5.6"	6.5"	5.8"	7.9"	7.8"	7.7"	8.5"	8.5"	4.0"	4.6"
Width	4.5"	4.5"	4.3"	4.8"	4.8"	5.0"	5.0"	5.0"	5.0"	5.0"	3.7"	3.7"
Weight	21.5 oz	21.2 oz	20.8 oz	33.5 oz	30.7 oz	40.6 oz	40.6 oz	40.9 oz	43.7 oz	45.5 oz	7.6 oz	8.1 oz

Swarovski EL 32 mm

The Swarovski EL binocular sets the standard for excellence. In order to deliver 98 percent of the available light to your eyes, the EL is engineered with three-part objective lenses, phase corrected prisms, Swarobright prism coatings, and Swarotop multi-layer anti-reflection coatings. Such top-notch brightness even allows digiscoping through the binocular and is made easier with the included SnapShot Adapter. Customers love the open-hinge design, wide field of view, and convenience of the Easy To Clean external lens coating.

EL Features: Fully multi-coated, phase corrected, dielectric prism coatings (Swarobright), BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking diopter on center focus wheel, waterproof, fogproof (nitrogen gas), Swaroclean external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, Swarovski Snap Shot adapter.

SLCNEW—

Rugged doesn't begin to describe the remarkably strong construction of the Swarovski SLC. Built for a rough and tumble lifestyle, the SLC delivers a smooth performance in any situation. A patented focusing wheel for rapid adjustments, deep thumb grooves for comfort, and top-notch optical coatings for bright and sharp images all combine to offer you a superb experience. Customers love the benefits of the Easy To Clean® external lens coating and the ability to digiscope through the included SnapShot Adapter.

SLCNEW Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, locking diopter on center focus wheel, waterproof, fogproof (nitrogen gas), tripod adaptable (except 8x30). **Included:** Rainguard, tethered objective lens covers, neck strap, case, tripod adapter (15x56).

Swarovski Pocket—Absolutely rugged!

Ideal for any outdoor activity, the Swarovski Pocket binocular will quickly become a must-have accessory. This compact binocular may look delicate, but the lightweight and rugged housing paired with waterproof and fogproof protection guarantee performance regardless of the situation. Take this premium binocular along for a day long hike or evening at the theater. A complex optical system, phase corrected prisms, and Swarobright mirror prism coatings will reward you with sharp, bright images, high resolution, and optimum color fidelity.

Swarovski Pocket Features: Fully multi-coated lenses, phase corrected, BaK-4 prisms, rubber armor (black or green) or leather trim, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case.

Vortex Binoculars

Vortex VIP unconditional lifetime warranty.

Kaibab Binocular

The challenge of long-distance viewing is no problem for the rugged Kaibab's powerful 15x magnification. You will appreciate the Vortex HD System that enhances image resolution through extra-low dispersion glass, brightens image details with fully multi-coated optics, and delivers a sharp image that is free of distortion.

Kaibab Features: Extra-low dispersion (XD) glass, fully multi-coated (XR coatings), phase-corrected, silver-coated prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, tripod adapter.

Razor

The Razor binocular impresses many with the top-notch performance of the Vortex HD System. The phase corrected Razor, with its patented XR multi-layer lens coatings and XD glass, delivers rich colors and vivid details, regardless of the distance. Built tough for all uses, the Razor is argon purged for reliability in extreme weather conditions. An open-hinged design allows you to completely grip both barrels and enhances the comfortably balanced ergonomics. Superior engineering and the Vortex VIP warranty guarantee the Razor will perform for generations.

Razor Features: Extra-low dispersion (XD) glass, fully multi-coated, phase corrected, dielectric prisms, aluminum body, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek® external lens coating. **Included:** Rainguard, interchangeable flared eyecups, tethered objective lens covers, neck strap, case.

The Vortex HD System

XR Coatings Eliminate image-degrading reflections and deliver image details of extraordinary brightness.

XD Glass Carefully selected and precision-crafted extra-low dispersion glass enhances image resolution for true-to-life color and clarity.

XT Optical Design Virtually eliminates aberrations and provides distortion-free, flat field images with unmatched edge-to-edge accuracy.

ArmorTek Lens Armor Makes lenses harder and stronger, scratch-resistant, and stain-proof for easier cleaning of dust, dirt, and smudges.

	Kaibab	Razor				
	15x56	8x42	10x42	8.5x50	10x50	12x50
Eye Relief	17.4 mm	18 mm	16 mm	18 mm	17 mm	17 mm
Close Focus	23'	8.2'	8.2'	9.8'	9.8'	9.8'
Field of View (1000 Yards)	226'	410'	325'	358'	329'	274'
Height	7.7"	6.5"	6.5"	7.5"	7.5"	7.5"
Width	5.7"	5.5"	5.5"	5.8"	5.8"	5.8"
Weight	44.0 oz	29.4 oz	29.8 oz	37.0 oz	37.7 oz	37.7 oz

Viper

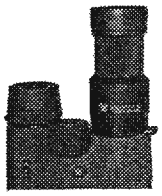
From the introduction of the Viper, customers have been amazed by the bright views and sharp details delivered through first-rate optical engineering—all at a reasonable price. The Viper's superior optical design incorporates XD glass and XR multi-layer coatings. Vortex's XP engineering anchors internal prisms in place and improves the Viper's ability to withstand rough use. Don't expect anything less than the best from the Vortex Viper. Fans of the Viper are delighted that Vortex now packs the terrific performance of the award-winning 10x42 Viper into both 32 mm and 28 mm sizes.

Viper Features: Extra-low dispersion (XD) glass, fully multi-coated, phase-corrected, silver-coated prisms, BaK-4 prisms, aluminum body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Binocular Harness Strap

Keep your binocular from jostling around as you hike with this comfortable accessory—it spreads the weight of the binocular across your shoulders.

2x Doubler



Add a 2x Doubler, keep the total weight of your gear low, and take in high-power views that compete with many spotting scopes. Fits on most Vortex 32 mm or larger binocular.

	Viper											Fury Series					
	8x28	10x28	6x32	8x32	10x32	8x42	10x42	12x42	8.5x50	10x50	15x50	6.5x32	8x32	10x32	8x42	10x42	12.5x42
Eye Relief	20 mm	19 mm	19.5 mm	16 mm	15 mm	20 mm	16.5 mm	15.8 mm	19.4 mm	19.5 mm	16 mm	21 mm	17 mm	15 mm	20 mm	15 mm	14.5 mm
Close Focus	9.7'	9.7'	3.0'	3.0'	3.3'	5.1'	5.1'	5.1'	9.8'	8.2'	8.2'	4.9'	4.9'	4.9'	4.9'	4.9'	4.9'
Field of View (1000 Yards)	319'	267'	420'	490'	325'	347'	319'	267'	305'	278'	210'	436'	409'	346'	358'	332'	268'
Height	4.7"	4.7"	4.9"	4.9"	5.0"	5.8"	5.8"	5.8"	7.0"	6.7"	6.7"	5.3"	5.3"	5.3"	6.0"	6.0"	6.0"
Width	4.5"	4.5"	4.8"	4.8"	5.0"	5.3"	5.3"	5.3"	5.2"	5.2"	5.2"	5.4"	5.4"	5.4"	5.4"	5.4"	5.4"
Weight	11.8 oz	12.0 oz	19.4 oz	19.4 oz	19.4 oz	23.0 oz	23.4 oz	23.2 oz	28.7 oz	27.2 oz	27.2 oz	22.0 oz	22.0 oz	22.0 oz	25.7 oz	25.7 oz	25.7 oz

Fury

If you're looking to save on weight, but still demand excellent long-range performance, it's hard to beat a Fury. The Fury series delivers a sure-fire combination of just the right size and magnification. The 42 mm Fury delivers extremely bright images at any hour and the 32 mm lets you step down in size.

Fury Features: XR fully multi-coated, phase corrected, silver-coated BaK-4 prisms, rubber armor, multi-position eyecups, center focus, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

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Diamondback Series

Customers quickly realized the rugged Diamondback binocular delivered an amazingly bright view at a shockingly reasonable price. Vortex expanded the successful performance and excellent value of the Diamondback 42 mm into a full range of sizes from 28 mm to 50 mm. With the comfortably soft eyecups and ergonomically balanced design, this binocular is destined to become a classic.

Diamondback Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Crossfire

Do you want a bright binocular with a durable build that won't bust the budget? The Vortex Crossfire is the choice for you! The lightweight Crossfire is designed with a wide field of view and fully multi-coated optics—desirable features for reliable performance. The rubber armored and waterproof, fogproof Crossfire is built to stand up to rough use.

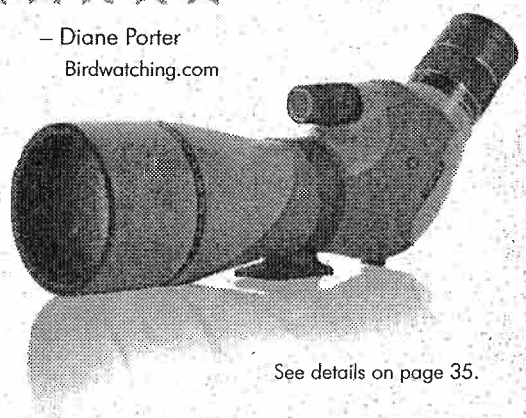
Crossfire Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Vortex Razor HD

"Optically, it is among the top few scopes in the world for brightness and sharpness."

★★★★★

– Diane Porter
Birdwatching.com



See details on page 35.

Spitfire

Here's one great combination of small size and bright optics! Tough construction, fully multi-coated optics, and bright views make the mid-sized 32 mm Spitfire a terrific choice to keep close by for daily use. The five-foot close focus works well for butterfly and insect observation. Don't be afraid to take it on the water; the Spitfire is waterproof and fogproof.

Spitfire Features: Fully multi-coated optics, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case.

Raptor

Present the young naturalist in your life with the Raptor, and you've introduced them to the gift of a lifetime. The highly-regarded porro prism Raptor delivers an exceptionally wide field of view with sharp, rich three-dimensional details. Featuring twist-up eyecups and waterproof, fogproof construction, the Raptor continues a classic tradition in a modern fashion.

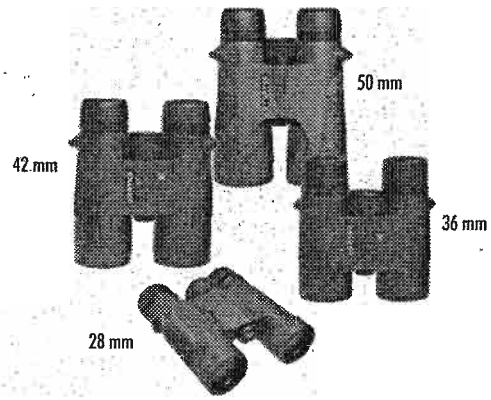
Raptor Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Vanquish

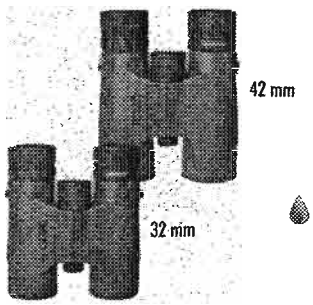
Take a look through the Vanquish and prepare to relish the view. Built with reverse porro prisms and fully multi-coated optics, the Vanquish presents you with bright, three-dimensional views. Fully protected for use around the water and in temperature extremes, the Vanquish is a tough binocular—ideal for multiple uses.

Vanquish Features: Fully multi-coated, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

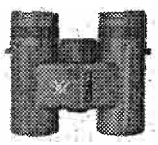
Diamondback Series



Crossfire

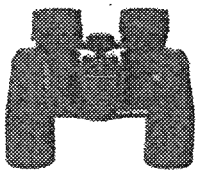


Spitfire



Vanquish

Raptor



VORTEX

	Diamondback									Crossfire				Spitfire		Raptor		Vanquish	
	8x28	10x28	7x36	9x36	8x42	10x42	8.5x50	10x50	12x50	8x32	10x32	8x42	10x42	8.5x32	10x32	6.5x32	8.5x32	8x26	10x26
Eye Relief	19.3 mm	16 mm	20.9 mm	15.7 mm	18 mm	16 mm	19 mm	19 mm	19 mm	16 mm	16 mm	19 mm	16 mm	16 mm	15 mm	20 mm	20 mm	15 mm	16 mm
Close Focus	13.1'	13.1'	5.9'	6.6'	4.5'	5.0'	9.0'	9.0'	9.0'	16.0'	16.0'	6.0'	6.0'	5.0'	5.0'	15.0'	15.0'	7.6'	7.6'
Field of View (1000 Yards)	360'	300'	418'	368'	420'	345'	283'	283'	283'	394'	315'	315'	315'	394'	289'	410'	390'	352'	294'
Height	4.8"	4.8"	5.1"	5.1"	5.9"	5.9"	6.8"	6.8"	6.9"	5.5"	5.5"	6.0"	5.8"	4.3"	4.3"	4.5"	4.5"	4.7"	4.7"
Width	4.5"	4.5"	4.8"	4.8"	5.6"	5.6"	5.6"	5.6"	5.6"	5.0"	5.0"	5.0"	5.0"	5.0"	5.1"	5.7"	5.7"	4.4"	4.4"
Weight	14.0 oz	14.0 oz	23.4 oz	22.6 oz	25.2 oz	24.4 oz	31.0 oz	31.0 oz	31.0 oz	17.4 oz	17.0 oz	22.0 oz	21.6 oz	17.2 oz	16.9 oz	17.3 oz	17.3 oz	12.7 oz	12.7 oz

Unconditional Unlimited Lifetime Warranty

Zeiss Binoculars

Zeiss limited lifetime transferable warranty.

Victory T* FL LT

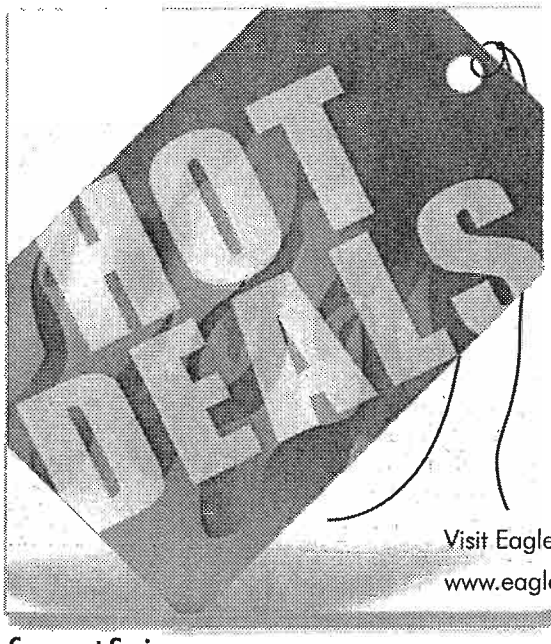
Expect sensational performance from the Victory T* FL LT binocular, because this top-notch binocular delivers. The excellence of Zeiss's brightest binocular comes from superior optical quality, including Zeiss fluoride glass, patented T* anti-reflective coatings, and phase corrected Abbe-Koenig prisms. Customers greatly appreciate the one turn to infinity focusing mechanism, four position click-stop eyecups, and easy-to-clean LotuTec® coating.

Victory FL Features: Fluoride glass, fully multi-coated, phase corrected, magnesium-reinforced body, rubber armor (black or green), multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas), LotuTec® external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Victory Compacts

The Victory compact puts a premium binocular from Zeiss at your fingertips. Waterproof and fogproof, the Victory B T* is ready for any outdoor adventure. After a day of hiking, slip your compact in its elegant leather case and you are ready for an evening at the theater.

Victory Compact Features: Fully multi-coated (T* coatings), phase corrected (P* coatings), dielectric prism coatings, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas), LotuTec® external lens coating. **Included:** Neck strap, leather case.



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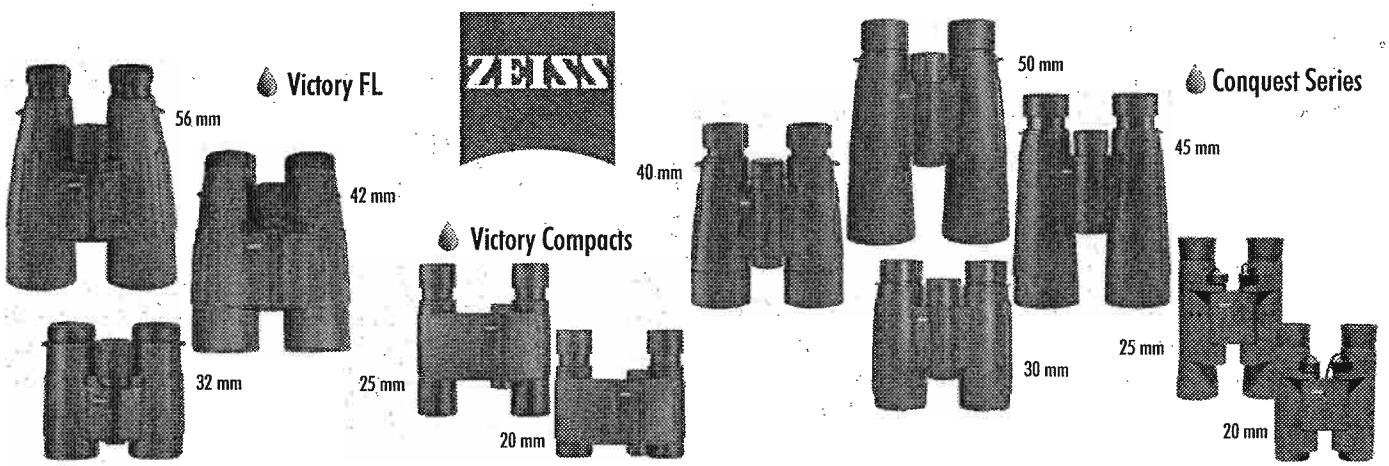
Conquest Series

The Conquest series of binoculars really shine on overcast days by delivering the brightness you expect from a European manufactured binocular. Zeiss engineers the Conquest with phase corrected prisms and anti-reflection, multi-layer coatings to enhance light transmission. Waterproof and fogproof, these mid-priced binoculars come in a wide range of sizes and magnifications—ready for any outdoor adventure.

The cell phone size of the Zeiss Conquest B T* compact is perfect to keep close at hand for unexpected encounters needing a closer look. The phase corrected Schmidt-Pechan prisms and anti-reflection multi-layer coatings combine to greatly enhance light transmission. The Conquest comes in a leather case to add extra protection outdoors or elegance to an evening activity.

Conquest (Mid and Full Sizes) Features: Phase corrected, T* multi-layer coated, Pechan prisms (40 mm and 50 mm use Abbe-Koenig prisms), eyecups twist, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Conquest (Compact) Features: Fully multi-coated, phase corrected, rubber armor, eyecups roll, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, leather case.



	Victory FL Series							Victory Compacts	
	8x32	10x32	7x42	8x42	10x42	8x56	10x56	8x20	10x25
Eye Relief	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	14 mm	14 mm
Close Focus	6.5'	6.5'	6.5'	6.5'	6.5'	9.8'	9.8'	8.5'	13.1'
Field of View (1000 Yards)	420'	360'	450'	405'	330'	390'	330'	351'	285'
Height	4.6"	4.6"	6.5"	6.8"	6.8"	7.9"	7.9"	4.0"	4.7"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	6.2"	6.2"	3.8"	3.8"
Weight	19.8 oz	19.8 oz	26.1 oz	26.6 oz	27.0 oz	43.0 oz	44.0 oz	7.9 oz	8.8 oz

	Conquest Series											
	8x20	10x25	8x30	10x30	8x40	10x40	12x45	15x45	8x50	10x50	8x56	10x56
Eye Relief	14 mm	14 mm	15 mm	15 mm	16 mm	15 mm	14 mm	14 mm	16 mm	15.5 mm	16 mm	16 mm
Close Focus	9.8'	16.4'	9.8'	9.8'	9.8'	9.8'	16.4'	16.4'	10.5'	10.5'	13.1'	13.1'
Field of View (1000 Yards)	330'	264'	360'	288'	360'	315'	240'	192'	330'	288'	360'	344'
Height	4.0"	4.7"	5.6"	5.6"	5.6"	5.6"	6.8"	6.8"	7.8"	7.6"	7.3"	7.4"
Width	3.7"	3.8"	4.5"	4.5"	5.25"	4.5"	4.7"	4.7"	5.2"	5.2"	5.5"	5.2"
Weight	6.5 oz	7.1 oz	17.5 oz	18.0 oz	29.0 oz	29.0 oz	21.3 oz	21.9 oz	32.0 oz	32.0 oz	33.5 oz	31.9 oz

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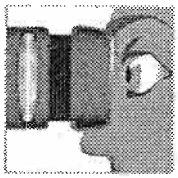
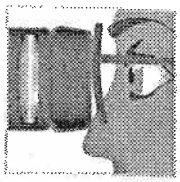
An Eagle Eye View of Optics

You'll find many choices in magnification, size, style, cost, and quality. As you consider which optics suit your needs best, note how the overall optical quality (generally indicated by price) greatly affects image details. We advise you to invest in the best optical quality you can afford.



Extended eyecups



Retracted eyecups

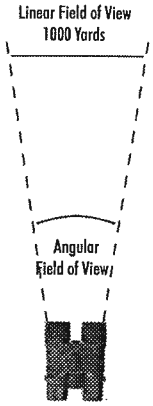
Eye Relief and Eyecup Design

For better viewing when wearing eyeglasses, fold back or twist down the eyecups.

Effective eye relief

Eye relief is the distance in millimeters between the ocular lens and where the image comes to focus and the entire field of view can be seen. If you wear eyeglasses or sunglasses while viewing through binoculars and spotting scopes, look for a minimum eye relief of 15 mm eye relief.

A wide field of view is ideal for many hobbies.



Close focus for detailed nature study

Close focus refers to the minimum distance you can clearly focus on an object. If you plan on viewing butterflies, insects, and other subjects at close range, you'll find a variety of binoculars that focus under eight feet.

Field of view

The field of view is the distance seen from left to right when looking through optics. This distance is normally measured in one of two ways: linear feet at a distance of 1000 yards or angular degrees. A wide field of view is helpful when following fast-moving action.

One Degree of Angle = 52.5 Feet at 1000 Yards

What does this term mean?

Aperture:
The diameter of the objective lens in millimeters.

Center Focus:
Adjusts both binocular barrels at the same time.

Diopter:
Adjusts for differences in a user's eyes. Usually located on right eyepiece or focus wheel.

Fogproof:
Barrels are filled with nitrogen or argon gas to inhibit internal fogging.

Interpupillary Distance (IPD):
This is the distance between the centers of the left and right eye pupil. To get a correct IPD, adjust the position of the binocular barrels until you see one image.

Light Transmission:
An indication of how much light passes through the optical system, or how efficiently it transmits to the eye.

Phase Correction:
This is a set of coatings on the prism glass that keeps light in correct color phases. These coatings are only needed on roof prisms to enhance resolution, contrast, and color fidelity.

Resolution:
How well an optical system distinguishes fine details.

Waterproof:
Optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside an optical system.

Optical Glass and Coating Quality

Glass quality

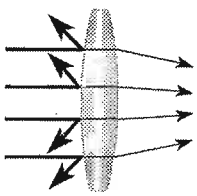
Standard grades of optical glass offer good image quality in ideal lighting conditions. For the best performance in low light situations, it is necessary to consider high grades of glass.

High-grade glass types, such as ED (Extra-low dispersion), FL (Fluoride), and HD (High-Definition), offer noticeably enhanced resolution and color fidelity.

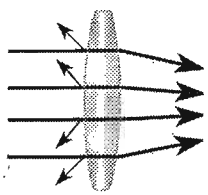
Anti-reflection lens coatings

The use of anti-reflective lens coatings will make a difference in image color, resolution, and contrast by increasing the amount of light passing through the optical system. Finer optics use a greater number of higher quality coatings to increase the amount of light transmitted.

Coated optics have a single coating on at least one surface.
Multi-coated optics have multiple coatings on at least one surface.
Fully-coated optics have a single coating on all surfaces.
Fully multi-coated optics have multiple coatings on all surfaces.



Uncoated Optics

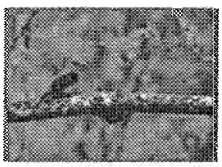


Coated Optics

Anti-reflection coatings allow a greater percent of the light rays to pass through the lenses.

Magnification

As magnification increases, eye relief, field of view, and brightness often diminish and images may shake.



Viewed without Optics

Viewed with Optics

Binoculars

The first number (8 x 42) refers to the magnification, or how many times larger an object will appear. An 8x or 10x binocular is considered adequate for a variety of situations.

Spotting Scopes

The first numbers (20–60 x 80 or 30 x 80) refer to the magnification, or how many times larger an object will appear.

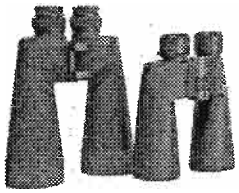
Fixed magnification eyepieces are appreciated for their wide fields of view.

Zoom magnification eyepieces are popular because of their versatility.

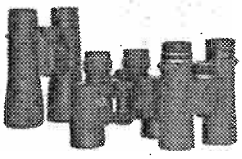
Objective lenses

The objective lens is the lens at the end of a binocular or spotting scope that is farthest from your eyes.

The objective lens determines how much light the binocular or spotting scope can receive and how bright the resulting image will be. The objective lens size also affects overall equipment size.



Large Size
Long-range observation, day or night.



Full Size
Birding, nature study, general use.

Mid Size
General day use, travel.

Compact Size
Hiking, travel, backpacking.

Binoculars

The second number (8 x 42) refers to the diameter of the objective lens in millimeters. Objective lenses typically vary in size from 15 mm–80 mm.

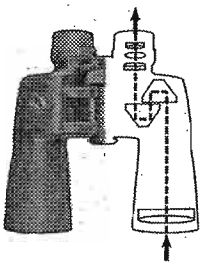
Spotting Scopes

The last number (20–60 x 80) refers to the diameter of the objective lens in millimeters. Objective lenses typically vary in size from 40 mm–100 mm.

Prisms

Porro Prism Design

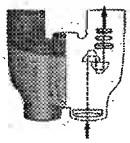
Named after their Italian designer, porro prism binoculars are characterized by objective lenses more widely spaced than the eyepieces. Porro prisms generally offer a rich depth of field, wide field of view, and three-dimensional image.



Porro Prism

Reverse Porro Prism Design

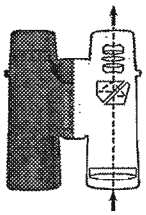
Compact binoculars often have reverse porro prisms, with eyepieces closer than the objective lenses.



Reverse Porro Prism

Roof Prism Design

Named for the roof-like appearance of the prisms, roof prism binoculars have the eyepieces and objective lenses positioned in a straight line. Roof prism binoculars are appreciated for their streamlined shape and durability.

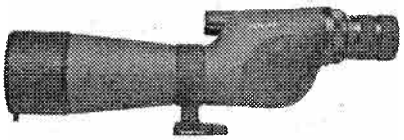


Roof Prism

Spotting scope body design

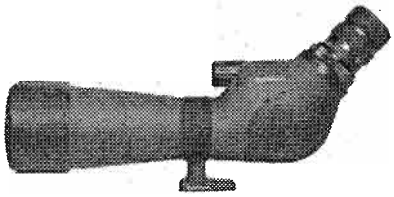
Straight body

Is favored by users because it works well for viewing downward from elevated platforms, such as decks and patios.



Angled body

Is favored by users of different heights for viewing without adjusting the tripod height as frequently. The angled design works well when viewing at an upward angle.



Exit Pupil

The exit pupil is the beam of light that exits each eyepiece and enters the user's eyes. The exit pupil is measured in millimeters. To calculate the exit pupil, divide the size of the objective lens in millimeters by the magnification.

$$\text{Exit Pupil} = \frac{\text{Objective Lens}}{\text{Magnification}}$$

8x25 Binoculars
Exit Pupil = 3.125 mm

7x50 Binoculars
Exit Pupil = 7.14 mm

The exit pupil is seen as a white circle in the eyepiece.

Binoculars for low light conditions

A person's dilated pupil is usually around 5 mm. As we age, the iris dilates less. The larger the exit pupil of the binocular, the brighter the image will appear in low light conditions.

Optics for Your Activity

Eagle Optics offers a variety of binoculars, monoculars, and spotting scopes to meet a wide range of activities. Here are some suggestions for choosing binoculars:

Astronomy: Objective lens size 50 mm and larger

Birding: Magnification of 7x to 10x

Boating: Waterproof, large objective lens

Butterfly Watching: Close focus under eight feet

Hiking and Travel: Compact, waterproof, rubber armored

Kids: Compact to mid-size with narrow interpupillary distance (IPD)

Spectator Sports: Wide field of view, magnification of 6x to 8x

Theater Glasses: Compact, wide field of view, low magnification

Need help choosing optics?

E-mail info@eagleoptics.com or call 1-800-289-1132.

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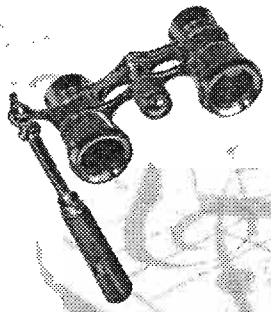


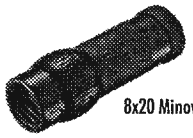
Theater Glasses

Available at www.eagleoptics.com/theater-glasses.

Capture the details!

Leica Monovid

Count on outstanding performance when you're off exploring a museum or interacting with nature. Leica bundles optical excellence in the four-inch, four-ounce Monovid and includes a close-up accessory lens to bring out details from as close as 10 to 14 inches.

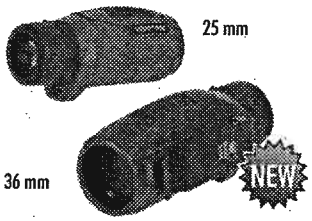


8x20 Minovid

Monovid 8x20 Features: Fully multi-coated, rubber armor, , waterproof, fogproof (nitrogen gas), AquaDura® external lens coating. **Included:** Neck strap, case, belt clip (36 mm). Leica lifetime warranty plus a three-year Passport Protection Plan.

Vortex Solo Monocular

The new 36 mm Solo will spoil you with bright views. This lightweight, dependable monocular will quickly become important for your daily use and travels.



25 mm

36 mm

Solo Features: Fully multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case, belt clip (36 mm). Vortex VIP unconditional lifetime warranty.

Zeiss Design Selection Monoculars

Zeiss offers stunning image quality with the slim, sleek Design Selection monoculars. Magnifying text within an arm's length is especially easy thanks to the one-foot close focus. These monoculars combine sophisticated style with sure-fire mechanical and optical precision.

4x12: A magnificent magnifier. Draw tube focus.

6x18: Good perspective with a 366-foot field of view. Draw tube focus.

8x20: Ideal for travelers, sports and cultural events.

10x25: Effective tool for orienting yourself to distant landmarks or nearby views.

DesignSelection Features: Zeiss P* and T* coatings, eyecup rolls. **Included:** Strap, case. Zeiss limited lifetime transferable warranty.

Zeiss Conquest Mini Quick Monocular

No larger than a fountain pen—weighs less than a pocketknife. Great for gifts!

Conquest Mini Quick 5x10 Features: T*multi-coatings. **Included:** Leather pouch, built-in pocket clip. Zeiss limited lifetime transferable warranty.

Minox Minoscope

Travel the world and revel in all the bright details with the Minoscope! Fogproof and waterproof, the versatile Minoscope fits comfortably in your hand and is easy to focus with a well-placed focus ring.

8x25 Minoscope

Minoscope 8x25 Features: Multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Strap, case. Minox lifetime warranty.

Brunton Macroscope™

Bring details to life from 18 inches to infinity with an easy turn of the focus dial!

7x40 Macroscope

Macroscope 7x40 Features: Fully multi-coated, BaK-4 prisms, aluminum body, rubber armor, eyecup twists, tripod adaptable. Brunton limited lifetime warranty.

Eagle Optics Insight Monocular

The compact, economical Insight provides an exceptionally wide field of view.

7x18 Insight in five bright colors!

Insight 7x18 Color Choices: Bluebird blue, Cardinal red, Goldfinch yellow, Warbler green, Metallic finish. **Included:** Strap, soft pouch with belt-loop attachment. Eagle Optics limited lifetime warranty.

6x18

4x12

8x20

DesignSelection

10x25

5x10 Conquest

	Brunton Macroscope	Eagle Optics Insight	Leica Monovid	Minox Minoscope	Vortex Solo				Zeiss Design Selection				Zeiss Conquest
	7x40	7x18	8x20	8x25	8x25	10x25	8x36	10x36	4x12	6x18	8x20	10x25	5x10
Eye Relief	15 mm	8 mm	15 mm	12 mm	15 mm	14.5 mm	18 mm	15 mm	16 mm	16 mm	16 mm	16 mm	16 mm
Close Focus	1.5'	8.0'	6.0'	1.2'	16.4'	16.4'	16.4'	16.4'	1.0'	1.0'	9.8'	16.4'	13.1'
Field of View (1000 Yards)	336'	470'	331'	342'	378'	315'	393'	325'	552'	366'	345'	285'	300'
Length	6.5"	3.0"	4.0"	3.6"	5.7"	5.7"	4.9"	4.9"	2.8"	3.7"	4.0"	4.6"	4.5"
Width	2.6"	1.0"		2.2"					1.1"	1.1"	1.2"	1.5"	0.6"
Weight	11.3 oz	1.8 oz	4.0 oz	5.3 oz	5.6 oz	5.6 oz	9.7 oz	9.7 oz	1.6 oz	2.0 oz	2.7 oz	3.1 oz	.8 oz

Bushnell Spotting Scopes

Bushnell limited lifetime warranty.

Elite 80 mm ED

Expect terrific performance at a moderate price with Bushnell's 80 mm Elite ED spotting scope. The extra-low dispersion (ED) glass delivers impressive image resolution and contrast. Waterproofing and fogproofing protect the internal optics from a variety of weather, and Bushnell's permanent Rainguard® lens coating works to decrease the effect of rain on external lenses. These benefits guarantee that this customer favorite from Bushnell performs well in whatever situation comes its way.

Elite ED Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, rubber armor, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Rainguard exterior lens coating. **Included:** View-through case, eyepiece cap, objective lens cover. Straight or angled body with 20-60x eyepiece.

Legend Ultra HD

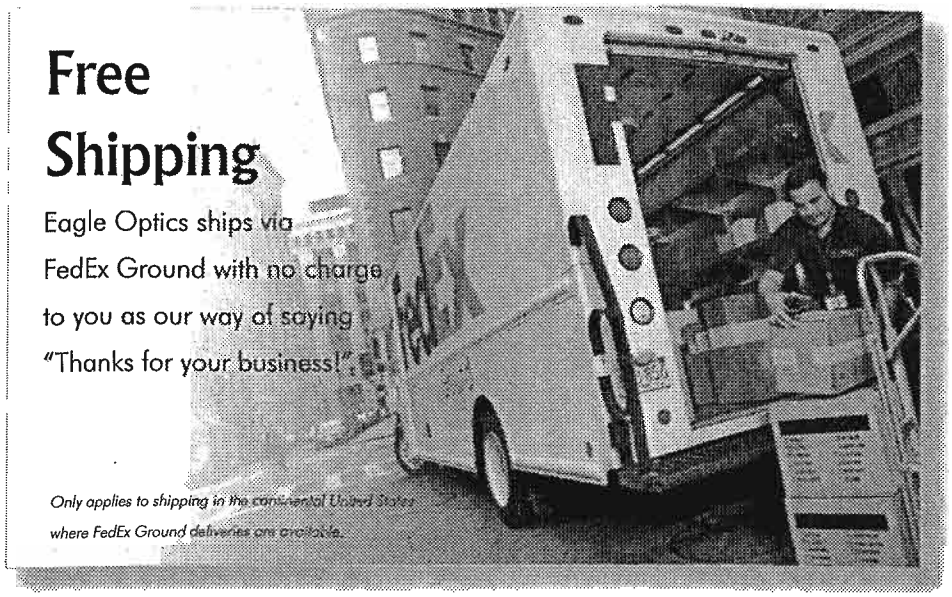
Capture all the details of the moment through the razor-sharp views of the Legend Ultra HD 80 mm spotting scope. Now available in a mid-sized 60mm model as well as the convenient, compact 50 mm design. Priced for the budget-minded, you will still enjoy the precise optical performance of extra-low dispersion glass and the bright images through the fully multi-coated optics.

Legend Ultra HD Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, rubber armor, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Rainguard exterior lens coating. **Included:** View-through case, eyepiece cap, objective lens cover. Straight or angled body with zoom eyepiece.

Natureview

Just as its name implies, the Natureview spotting scope lets you zoom in on wildlife in your backyard or on the trail. The streamlined design, smooth rubber armor, and light weight of the Natureview makes handling effortless. Take this scope on all your outings for great views through the fully-coated optics.

Natureview Features: Fully coated, BaK-4 prisms, rubber armor, sunshade. **Included:** Case, eyepiece cap, objective lens cover, camera adapter. Straight body with built-in zoom.



Easy rotation of scope body

An angled body makes sharing views with children so easy. Instead of changing the height of the tripod, simply rotate the scope body so that the eyepiece faces downward. Also helpful when using a car window mount.

	Elite ED	Legend Ultra HD			Natureview
	80 mm	50 mm	60 mm	80 mm	60 mm
Eyepiece	20–60x	12-36x	15-45x	20-60x	15–45x
Eye Relief	18 mm	17 mm	20 mm	18 mm	32 mm
Field of View (1000 Yards)	98–50'	179–90'	140–63'	110–51'	150–38'
Close Focus	15.0'	15.0'	18.0'	35.0'	30.0'
Weight	53.0 oz	36.3 oz	40.4 oz	80.1 oz	29.0 oz
Length	17"	9.8"	11.1"	16.5"	14.0"

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Let the Birding Begin!

Get connected with thousands of people passionate about birds—just like you.

Join the American Birding Association (ABA) and get exposed to a vast array of birding information. Hone your skills in bird identification, find out about the latest rarities being seen and places to bird, read reviews on products and books, and take ID challenges that will make you a better birder.

Looking for more? Join discussions on Facebook, tweet on Twitter, and peruse our blogs and web site. Take part in special events, activities, and trips. It's all here!

Become a part of the ABA community of birders.

Go to www.aba.org/eo today.

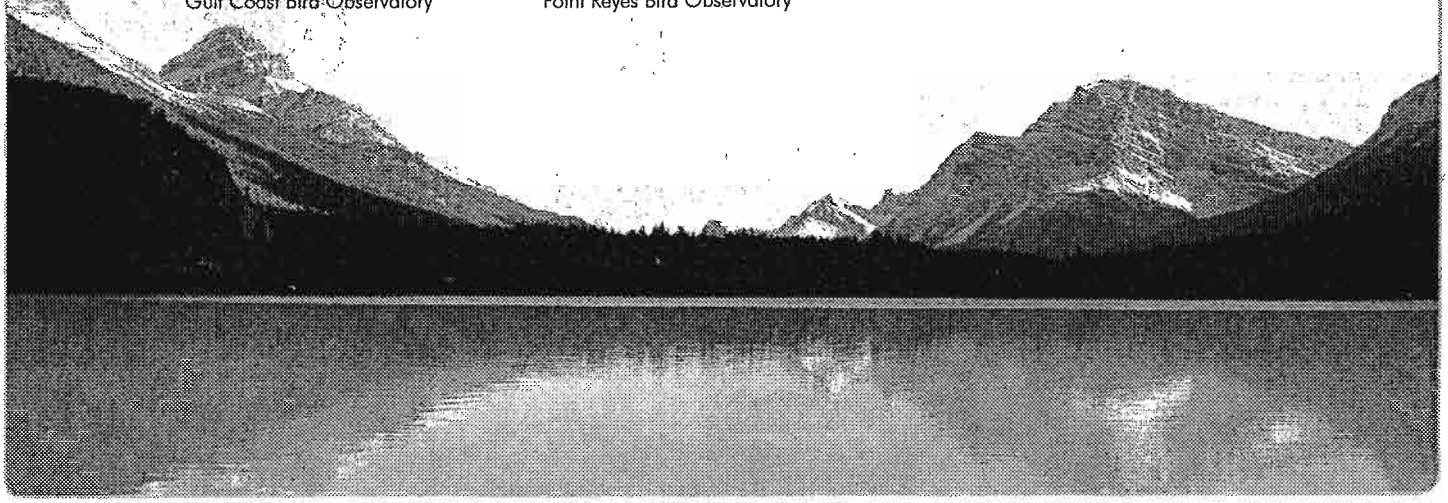
American Birding Association

Caring for Our World—Eagle Optics is making a difference!

For over 20 years Eagle Optics has generously donated to conservation groups that care for and expand habitat conservation for birds and wildlife.

These are just a few of the groups Eagle Optics sponsors:

Operation Migration
Optics for the Tropics
World Birding Center
Midwest Birding Symposium
Hawk Watch International
ABA Birder's Exchange Program
Cornell Lab of Ornithology
Ducks Unlimited
Fish & Wildlife Service
Golden Gate Raptor Observatory
Gulf Coast Bird Observatory
Hawk Ridge Bird Observatory
International Bird Rescue Research Center
International Crane Foundation
International Migratory Bird Day
Klamath Bird Observatory
National Audubon Society
(plus many local chapters)
Natural Heritage Land Fund
North America Natural Resources & Wildlife
North American Butterfly Association
Point Reyes Bird Observatory
Pronatura Veracruz
Rocky Mountain Bird Observatory
San Francisco Nature Education
Saving Birds Thru Habitat
Texas Parks and Wildlife
Trust for Public Land
Urban Ecology Center
Ventana Wildlife Society
Wildlife Habitat Council
...plus many State Ornithological Societies



Kowa Spotting Scopes

Kowa limited lifetime warranty.

TSN Prominar Series

Prominar spotting scopes from Kowa kick up the performance level and viewing experience by using an XD objective lens with low-dispersion properties to diminish chromatic aberration. The 66 mm and 77 mm lens sizes offer light-gathering power for long distances and low light settings, yet keep the size at an easy-to-carry weight. Kowa engineers offset the length and weight associated with a large objective lens by incorporating an inner focus system and a magnesium alloy body. With the eyepiece locking mechanism, the eyepiece securely attaches to the body and reduces the risk of loss.

TSN 88 mm Prominar

With the 88 mm Prominar spotting scope, Kowa takes image quality to the max by incorporating fluorite crystal lenses to enhance resolution, color, and contrast. Combined with the light-gathering power of the 88 mm objective lens, this Kowa Prominar delivers the ultimate viewing experience!

TSN Prominar Features: Extra-low dispersion (XD) glass, fully multi-coated, BaK-4 prisms, dual focus (77 mm and 88 mm), magnesium alloy body, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cap. Straight or angled body. Eyepieces sold separately.

TSN Standard Series

Take your pick from the lightweight size of the 60 mm or 66 mm scopes with standard glass. Both have long set a lofty performance bar. You will gather all the important details through Kowa's fully multi-coated optics which deliver beautifully bright, clear, and sharp images.

TSN Standard Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cap. Straight or angled body. Eyepieces sold separately.

Kowa DA-10 Digiscoping Adapter

Move beyond viewing to capturing digital images with your Kowa spotting scope. Specifically designed for use with digital cameras using filter threads, the compact Kowa DA-10 adapter fits on any of the TSN 77 mm or TSN 88 mm spotting scopes. Call Eagle Optics or check our web site for complete details.

TSN 82SV

Kowa continues the legendary performance of the TSN-821M spotting scope with the updated TSN-82SV. Designed to accept eyepieces fitting the Kowa 60/66 mm spotting scopes, you can now choose from magnifications of 26x, 32x, and 27x. With the variety of eyepiece choices and its bright optical performance, the TSN 82SV carries on the tradition of enjoyable performance at a pleasing price.

TSN 82SV Features: Fully multi-coated, BaK-4 prisms, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cover. Accepts the Kowa 60 mm / 66 mm eyepieces.

	TSN 82SV 82 mm			TSN 88 mm Series 88 mm			TSN 77 mm Series 77 mm			TSN 660 mm Series 66 mm		
Eyepiece	27x LER	32x WA	21–63x	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x
Eye Relief	32 mm	20 mm	16.5–16 mm	32 mm	20 mm	17–16.5 mm	32 mm	20 mm	17–16.5 mm	32 mm	20 mm	16.5–16 mm
Field of View (1000 Yards)	105'	114'	93–51 '	110'	128'	115–55'	110'	128'	115–55'	110'	126'	97–53'
Close Focus	20.0'	(Kowa's 60/66 mm eyepiece).		16.4'			16.4'			20.0'		
Weight	52.5 oz			54.7 oz			49.6 oz			36.0 oz		
Length	15.1"			13.0"			12.0"			12.0"		

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Leica Spotting Scopes

Leica limited lifetime warranty plus Leica's 3-year Passport Protection Plan.

Televid APO

Good things come to those who wait—Leica now rewards its customers with the Televid APO spotting scope. Starting with a six percent increase in light yield, the result is a distinctively clear image even while viewing in low light conditions. The four-part objective lens maximizes color fidelity and resolution. Leica's protective layer of AquaDura® guarantees the beautiful images will not be diminished by annoying fingerprints, dirt, or rain.

Televid Digital Camera Adapter 3

Leica's camera adapter securely holds most digital point-and-shoot cameras to the Televid's eyepiece to capture photographic details not available with a camera's normal zoom magnification. Designed for either the 65 mm or 82 mm Televid models.

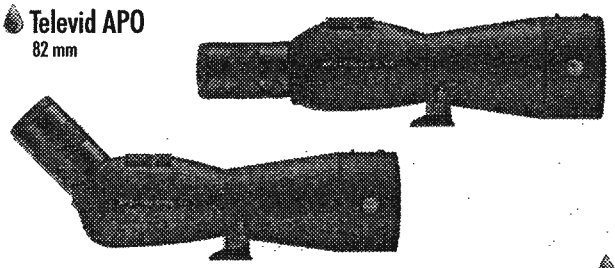
Televid 25–50x Eyepiece

Prepare for a new viewing experience when you lock this eyepiece on the Televid APO. A redesigned optical system means the superb wide-angle and variable zoom magnification provided by the eyepiece remains the same on the 65 mm and 82 mm scope. The eyepiece is constructed with a comfortable adjustable eyecup and rubberized elements for easy handling.

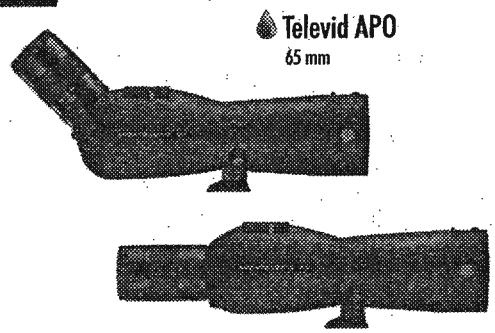
Leica AquaDura Coating

A new development from Leica, the AquaDura coating reduces fogging and allows moisture droplets and dirt to simply roll off the lenses. This ensures clear visibility through every Televid spotting scope—even in the wind and rain.

Televid APO
82 mm



Televid APO
65 mm



	Televid 65 mm	Televid 82 mm
Eyepiece	25–50x	25–50x
Eye Relief	19 mm	19 mm
Field of View (1000 Yards)	134–92'	134–92'
Close Focus	9.8'	12.8'
Weight	38.8 oz	47.7 oz
Length	11.8"	12.8"

Televid APO Features: Fluoride glass, fully multi-coated, BaK-4 prisms, dual focus, magnesium body, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), AquaDura® external lens coating. **Included:** Eyepiece cap and case, objective lens cover. Straight or angled body.

Leupold Spotting Scopes

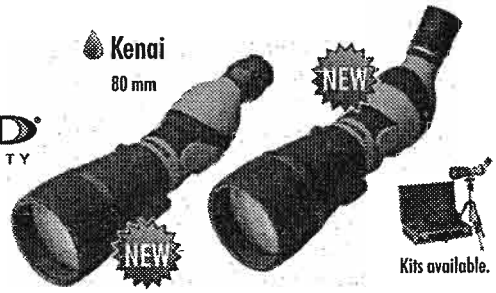
Leupold warranty varies with model.

Kenai 80 mm Spotting Scope

Talk about versatile! Leupold includes both the 30x wide angle and 25-60x zoom eyepieces with the Kenai HD to provide you excellent flexibility for observation. Add to this the high-performance optics, tough industrial design, and attractive price of the Kenai HD, and you have a spotting scope that is up to the challenge of all your outdoor adventures.

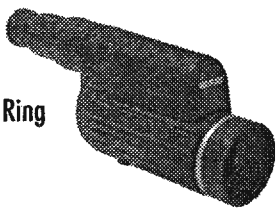
Kenai Features: High-definition (HD) glass, fully multi-coated optics, helical focus, magnesium body, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** 25–60x and 30x eyepieces. Straight or angled body. Limited lifetime warranty.

Kenai
80 mm



Kits available.

Golden Ring
60 mm



Sequoia
Also available with straight body.

60 mm

80 mm

Kits available.

	Kenai 80 mm		Golden Ring 60 mm	Sequoia 60 mm	Sequoia 80 mm
Eyepiece	30x	25–60x	12–40x	15–45x	20–60x
Eye Relief	18.5 mm	17.4–17.9 mm	30 mm	16.5–13 mm	19.9–15 mm
Field of View (1000 Yards)	126'	94–52'	168–52'	131–63'	99.6–33'
Close Focus	11.8'	11.8'	36.0'	30.0'	30.0'
Weight	58.5 oz	58.5 oz	37 oz	35.1 oz	62.8 oz
Length	14.0"	14.0"	12.4"	13.0"	15.9"

Meopta Spotting Scopes

Meopta lifetime transferable warranty.

Meostar S1 75

Built upon a long tradition of optical excellence, the Meostar lives up to the company's motto, "A better view of the world". With a 75 mm objective lens, the Meostar gives you the best of both worlds—good light gathering capability and a weight of around only 40.5 ounces. The rugged aluminum alloy, carbon fiber body and the waterproof, fogproof optics provide long-lasting protection. In order to boost the light transmission, the Meostar S1 has fully multi-coated lenses. The phase-corrected roof prism optimizes the extra light and adds image clarity and color resolution to those fine details.

Meostar SI S75 APO

For just a little more money, you can receive the benefit of apochromatic (APO) glass in your Meostar scope. The premium-grade fluorite glass provides ultimate light transmission, image clarity, and color resolution for superior image quality.

Meostar S1 75 Features: Fully multi-coated, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Objective lens caps. Straight or angled body with standard or APO glass. Eyepieces sold separately.

Meostar S1 75
75 mm

Eyepiece	30x	20–60x
Eye Relief	15 mm	15 mm
Field of View (1000 Yards)	114'	93–48'
Close Focus	14'	14'
Weight	40.6 oz*	*APO models weigh 45.7 ounces and measure 14.4 inches.
Length	13.8"	

MD 62 mm
62 mm

Eyepiece	22x	30x	40x	20–45x	21–42x
Eye Relief	11 mm	19.5 mm	16 mm	TBD	20–22 mm
Field of View (1000 Yards)	158'	115.5'	63'	89–58'	89.5–68.5'
Close Focus	16.0'				
Weight	31.5 oz*	*Weight listed for ED model only. Additional weight of eyepiece varies.			
Length	12.9"				

Minox Spotting Scopes

Minox lifetime transferable warranty.

Minox MD ED

Use the MD 62 mm ED and enjoy such close-up views, you may think you can reach out and touch your subject! With the 16 foot close focus, you can scope in your backyard. The sturdy metal body protects this mid-sized scope, yet the body is a lightweight 31.5 ounces. Fully multi-coated optics allow for increased light transmission under low light conditions.

Minox MD 62 mm Eyepieces

Minox offers a variety of fixed and zoom eyepieces to work with its 62 mm spotting scope. Zoom eyepieces offer you a variety of magnifications, while fixed magnification eyepieces offer a wider field of view. Customize the scope to your optical needs by selecting the eyepiece that fits your activity.

MD Features: Extra-low dispersion glass (ED models), fully multi-coated, metal body, rubber armor, eyecup twists, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case. Straight or angled body with standard or ED glass. Eyepieces sold separately.

Golden Ring 12–40x60 Spotting Scope

Key to the popularity of Leupold Golden Ring spotting scopes is the absolute ruggedness and lightweight construction. This compact line of scopes is perfect for lovers of the outdoors who can't be slowed down by heavy equipment. The dark brown rubber armoring protects the internal optics.

Golden Ring Features: High-definition glass (HD models), fully multi-coated, rubber armor, eyecup rolls, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Standard or HD glass. Leupold full lifetime warranty.

Sequoia Spotting Scopes

Choose the Leupold Sequoia spotting scope for your next trip out west or to the local refuge. Durable construction is encased in strong rubber armoring, and waterproofing protects the optics from an unexpected shower. The Sequoia has fully multi-coated optics to ensure optimal light transmission.

Sequoia Features: Fully multi-coated, rubber armor, eyecup twists, sunshade, waterproof, fogproof (nitrogen gas). **Included:** Case, threaded eyepiece cover, objective lens cap. Straight or angled body. Leupold limited lifetime warranty.

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Nikon Spotting Scopes

Nikon 25-year limited warranty, plus a No-Fault Repair or Replacement Policy.

ED Fieldscopes

Nikon Fieldscopes ace the class when it comes to size, performance, and value. Perfectly sized, the petite 50 mm spotting scope tops the list for an excellent performer when size matters. The 25–75x82 Fieldscope offers tremendous magnification and monstrous light-gathering power. But if your spotting scope needs to fall between the small 50 mm and mighty 82 mm, Nikon's 20–60x60 scope is the answer. Incorporated in all of these Fieldscopes is Nikon's ED glass to deliver distinctive edge-to-edge sharpness with first-rate detail and color resolution. Adding to the overall image quality, the precisely cut and polished glass is fully multi-coated to allow for optimal light transmission.

Fieldscope Features: Extra-low dispersion (ED) glass, fully multi-coated, eyecup twists, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Straight or angled body with zoom eyepiece.

EDG

Never afraid to chart new territory, Nikon engineers take the Fieldscope performance to new levels with the EDG. With the same ED glass lenses found on the successful EDG binocular, the EDG spotting scope rewards you with superior sharpness and color correction for top-notch resolution. Precisely cut and polished glass is fully multi-coated for brilliant views. The tough, yet lightweight body is waterproof, fogproof, and ready for any adventure.

Nikon's EDG eyepieces deliver unbelievable colors and bright, high-contrast images—ideal for close study.

EDG Spotting Scope Features: Extra-low dispersion (ED) glass, fully multi-coated, rubber armor, eyecup twists, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps. Straight or angled body with 65 mm or 85 mm objective lens.

ProStaff

See for yourself why customers say, "Wow" when they first look through the Prostaff. Describing the view as bright doesn't do the Prostaff justice. Nikon uses lead and arsenic-free Eco-Glass for high resolution images and fully multi-coated optics for increased light transmission. With the magnifications offered by the 20–60x zoom eyepiece, the 82 mm objective lens gathers plenty of light in the forest and delivers distant details on the plains. Cut weight, but not performance, and carry the lightweight 65 mm ProStaff. Both sizes are built tough to handle rugged situations.

Prostaff Features: Multi-coated optics, BaK-4 prisms, eyecup twists, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Straight or angled body with zoom eyepiece.

Prostaff Outfits Include: Outfit includes a straight, black ProStaff spotting scope body, zoom eyepiece, view-through carry case, and a full-size tripod. 65 mm or 82 mm (82 mm also available in Realtree camouflage).

EDG Series

	85 mm			65 mm		
Eyepiece	20–60x	25x	30x	16–48x	20x	24x
Eye Relief	18.4–16.5 mm	32.3 mm	25.4 mm	18.4–16.5 mm	32.3 mm	25.4 mm
Field of View (1000 Yards)	115.5–57.8'	126.0'	126.0'	147.0–73.5'	157.5'	157.5'
Eyepiece Item#						
Close Focus	16.4'			10.8'		
Weight	71.6 oz			57.9 oz		
Length	18.8"			16.2"		

Fieldscope ED Series

82 mm	60 mm	50 mm
25–75x	20–60x	13–30x
14.1 mm	14.1 mm	12.9 mm
84'	105'	157.5'
#7467	#7467	#7466
16.4'	16.4'	9.8'
64.2 oz*	43.7 oz*	21.9 oz*
13.3"	10.9"	8.1"

*Weight for angled body with zoom.

Prostaff Series

82 mm	65 mm
20–60x	16–48x
15-13.6 mm	15-13.6 mm
99-49.9'	126-62'
#8323	#8323
20.0'	13.1'
43.2 oz	32.8 oz
15.0"	11.5"

Pentax Spotting Scopes

Pentax Worry-Free lifetime warranty.

Pentax PF ED

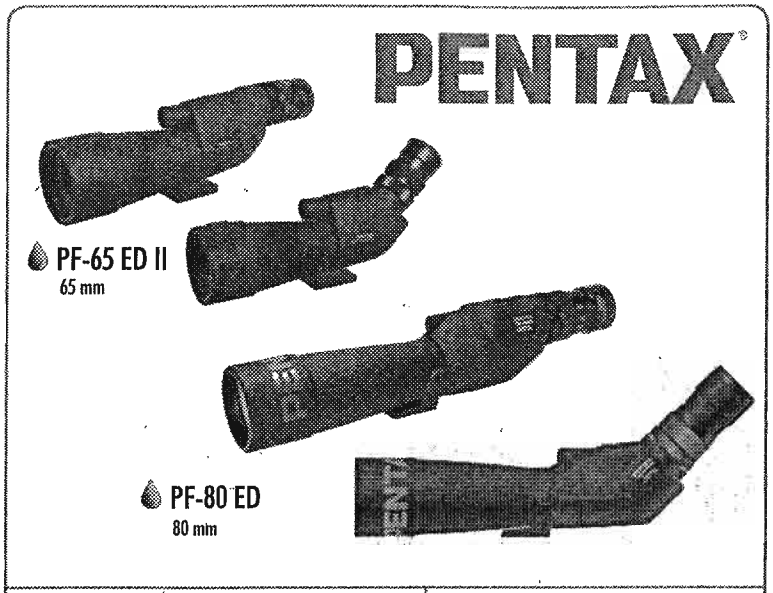
Pentax's popular line of spotting scopes offers high performance at an affordable price. Housed in a lightweight magnesium-alloy body, the Pentax ED offers optimum optical resolution by incorporating extra-low dispersion (ED) glass. With fully multi-coated lenses, light transmission is maximized for clarity and contrast of details.

The PF-80 ED gathers a great amount of light to provide you with details of shorebirds or big game. When you want the optical excellence of Pentax in a portable package, the PF-65 ED II is the size for you. All of these scopes are available with or without a zoom eyepiece and will accept a variety of 1.25 inch astronomical eyepieces.

PF-80 ED and PF-65 ED II Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, magnesium alloy body, eyecup twists, rubber armor, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, objective lens cap. Straight or angled spotting scope body.

Pentax Premium Eyepieces

Expand the capability of your Pentax scope beyond the versatile Pentax SMC zoom eyepiece with the XW fixed power eyepieces. All of the eyepieces from Pentax are fully multi-coated, contain high-quality glass elements, and offer generous eye relief.



PF-80 ED Scope 80 mm

Eyepiece Item#	SMC Zoom Package	#XW20	#XW14	#XW10
Eyepiece	21–63x	27x	37x	52x
Eye Relief	22–18 mm	20 mm	20 mm	20 mm
Field of View (1000 Yards)	93–49.5'	135'	99'	72'
Close Focus	19.0 '			
Weight	56.4 oz*	*Straight scope magnifies from 20–60x,		
Length	16.3"*	is 15.6" long and weighs 49.4 oz.		

PF-65 ED II Scope 65 mm

	XF Zoom Package	#XW20	#XW14	#XW10
Eyepiece	20–60x	19.5x	28x	39x
Eye Relief	11–15 mm	20 mm	20 mm	20 mm
Field of View (1000 Yards)	117–51'	183'	132'	93'
Close Focus	16.4'			
Weight	37.7 oz*	*Straight scope weighs 37.0 oz.		
Length	10.6"			

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Swarovski Spotting Scopes

Swarovski limited lifetime warranty.

A passion for precision describes the level of quality Swarovski incorporates into its spotting scopes. From the razor-sharp images to the day-to-day functionality, customers love their Swarovski scope.

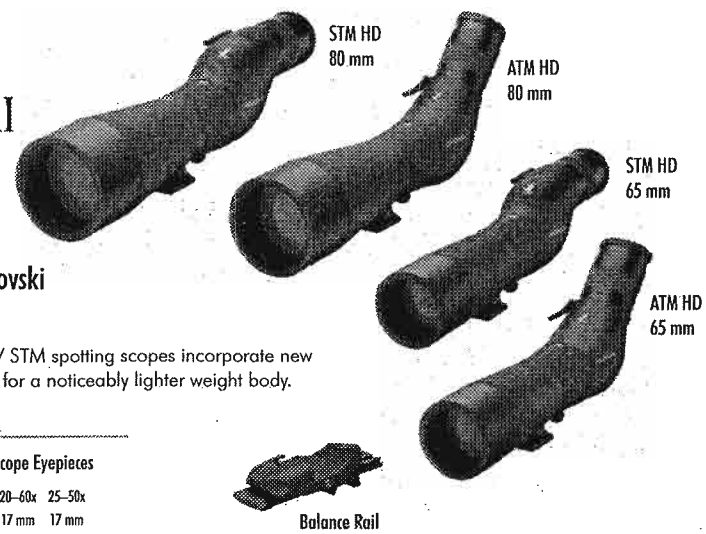
HD Glass Spotting Scopes

The HD scopes use fluoride-containing lenses to minimize color fringing, offer sharp, high-contrast images, and benefit digiscoping results. Fully multi-coated, Swarotop lenses optimize light transmission for the brightest view. You'll find the Swaroclean coating keeps your view clear as it works to repel water and residue. An excellent close focus allows you to scope even in the backyard. Standard glass scopes are budget friendly, lighter in weight, and offer good light transmission.

65 mm or 80 mm

Swarovski lightened up the ATM and STM scopes using state-of-the-art magnesium technology in the scope bodies. Just like ounces, every millimeter of the objective lens counts as the scope gathers light. Digiscopers and observers glassing at long distances will benefit from the 80 mm objective lens. Swarovski excellence still shines through the images delivered by the 65 mm, and the smaller lens size is about 1/2 pound lighter.

SWAROVSKI OPTIK



NEW **The Swarovski Series**

Swarovski's latest ATM / STM spotting scopes incorporate new magnesium technology for a noticeably lighter weight body.

Swarovski Spotting Scope Eyepieces

Eyepiece	20x	30x WA	45x WA	20–60x	25–50x
Eye Relief	17 mm	20 mm	18 mm	17 mm	17 mm
Field of View (1000 Yards)	180'	126'	84'	108–60'	138–89'
Close Focus	10.0'				
Weight*	65 mm ATM 34.2 oz (36.0 oz for HD)			80 mm ATM 43.4 oz (45.2 oz for HD)	
Length	12.0"			14.0"	

*Weight given for angled models.

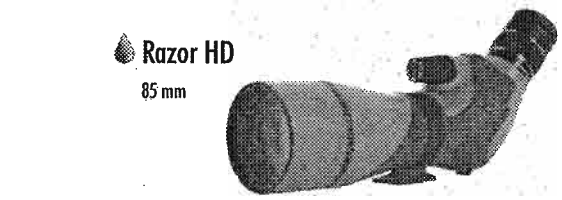
ATM/STM Spotting Scope Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Swaroclean® external lens coating. **Included:** Tethered eyepiece cover, objective lens cover. Eyepieces sold separately.

Spotting Scope Rail

Swarovski's new spotting scope rail employs a two-position support to stabilize the scope for vibration-free viewing and digiscoping. Designed to balance the scope with camera equipment attached, this rail also allows the scope to sit upright on a flat surface when not attached to a tripod. Easy to use, the rail features quick attach and release mechanisms and slides into place with the push of a button.

Swarovski DCA

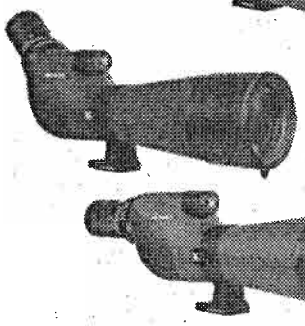
Switching from observation to digiscoping is a breeze with the Swarovski DCA. Part of the adapter stays on the zoom eyepiece of your Swarovski scope and the other attaches to the filter threads of your digital camera. Call Eagle Optics or check our web site for complete details.



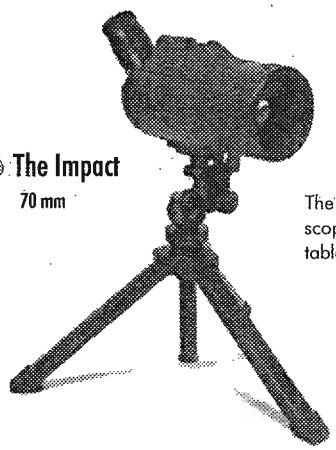
Razor HD
85 mm

Skyline ED
80 mm

Also available without ED glass.



Nomad
60 mm



The Impact
70 mm

The Impact spotting scope comes with a tabletop tripod.

	Razor HD 85 mm		Skyline 80 mm	Nomad 60 mm	Impact 70 mm
Eyepiece	20–60x	30x	20–60x	20–60x	25–75x
Eye Relief	20–18 mm	18 mm	19–18 mm	17–14 mm	18–15 mm
Field of View (1000 Yards)	117–60'	112'	113–55'	114–51'	89–47'
Close Focus	16.4'	16.4'	26.0'	20.0 '	33.0'
Weight	65.7 oz		68.0 oz*	36.1 oz	37.4 oz
Length	15.3"		17.7"	13.2"**	10.0"

*Weight and length given for angled Skyline ED.
**Length given for angled Nomad.

Vortex Spotting Scopes

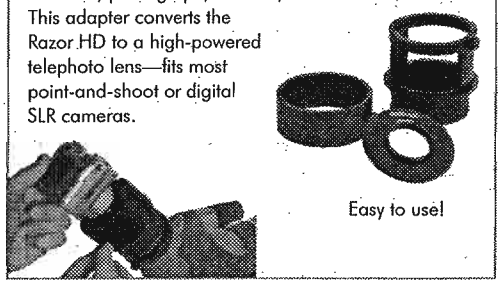
Vortex VIP unconditional lifetime warranty.

Razor HD

Built in Japan to specifications developed by Vortex engineers, the Razor HD exceeds performance expectations in this price range. You are sure to appreciate the Vortex HD system that enhances resolution, brightens image details, and delivers a distortion-free, edge-to-edge sharpness. The compact, magnesium-alloy body decreases weight and increases durability. A large 85 mm objective lens maximizes the available light at dawn or dusk.

Razor HD Digital Camera Adapter

Observe, photograph, observe, and don't miss a detail! This adapter converts the Razor HD to a high-powered telephoto lens—fits most point-and-shoot or digital SLR cameras.



Easy to use!

Razor HD Features: High-density (HD) glass, fully multi-coated, BaK-4 prisms, magnesium alloy body, dual focus, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (argon gas), ArmorTek® external lens armor. **Included:** Lens caps, view-through case, 20–60x eyepiece, 85 mm angled body. 30x eyepiece also available.

Skyline

Maximum power without high cost describes the Vortex Skyline. The Skyline performs with its light grabbing 80 mm objective lens and zooming power of the eyepiece. The dual-focus knob allows you to achieve a quick focus, then take your time sharpening every detail.

Skyline ED

Extra-low dispersion glass takes the performance up a notch by decreasing chromatic aberration and increasing resolution and color. With ED glass, you will enjoy better quality images when digiscoping.

MK-1 Digital Camera Adapter

Discover the pleasure of digiscoping with your Skyline. Great for use with most 3–4x optical zoom point-and-shoot digital cameras.

Skyline and Skyline ED Features: Extra-low dispersion (ED) or standard glass, fully multi-coated, eyecup twists, dual focus, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case, tabletop tripod (non-ED models), 20–60x eyepiece. Straight or angled body with standard or ED glass.

Nomad

Bench shooters, hunters, birders, and researchers have all come to value the solid results of the compact Nomad spotting scope. The Nomad is a strong performer at an economical price—you won't leave home without it!

Nomad Features: Fully multi-coated, BaK-4 prisms, multi-position eyecup, polycarbonate body, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case, 20-60x eyepiece. Straight or angled body.

Impact

Uniquely designed, uncommonly sized best describes the Impact scope. It is different from other scopes because it uses an optical mirror with a reflector-style lens system. Take along this 10-inch, 38-ounce package of scoping power, and the Impact is sure to boost your viewing options.

Impact Features: Fully multi-coated, polycarbonate body, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, padded case, tabletop tripod, 25–75x eyepiece, 70 mm angled spotting scope body.

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Zeiss Spotting Scopes

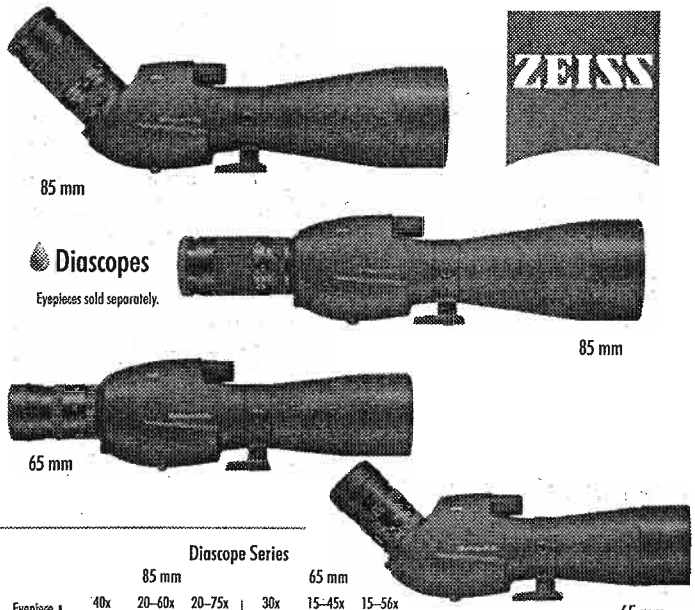
Zeiss limited lifetime transferable warranty.

Zeiss Diascopes

Cutting edge inventions are nothing new for Zeiss and its new generation Diascope houses the latest focusing technology. Zeiss introduces a dual speed focus within a single knob that automatically adapts the precision and fast focus to your needs. The optical excellence of the Diascope centers on the fluoride glass and multi-layer lens coatings that provide impressive brightness and contrast for images with little to no color fringing. With the protective LotuTec lens coating, your scope will shed water and dirt for unobstructed glassing.

The 85 mm Diascope offers excellent light gathering ability in low light conditions and over long distances. The compact size of the 65 mm Diascope size is a benefit when you when need to carry your equipment for long periods of time.

Diascope Features: Fluoride glass, fully multi-coated (T*), BaK-4 prisms, dual focus, sunshade, rotating tripod ring, waterproof, fog proof (nitrogen gas), LotuTec® external lens coating. **Included:** Eyepiece and objective lens covers. Straight or angled with 65 mm or 85 mm body and choice of green or silver finish. Eyepieces sold separately.



Diascope Series

	85 mm			65 mm		
Eyepiece	40x	20–60x	20–75x	30x	15–45x	15–56x
Eye Relief	18 mm	16 mm	16 mm	18 mm	16 mm	16 mm
Field of View (1000 Yards)	120'	129–60'	120–48'	120'	168–72'	156–63'
Close Focus	16.3'	16.3'	16.3'	13.1'	13.1'	13.1'
*Weight	59.8 oz	63.7 oz	63.7 oz	46.8 oz	50.7 oz	50.7 oz
*Length	13.6"	13.6"	13.6"	11.8"	11.8"	11.8"

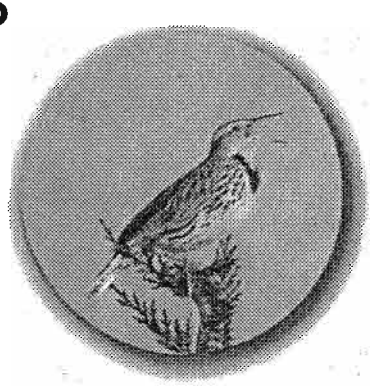
Weight includes scope body and eyepiece. Length is given for the scope body only.

Introducing the Victory PhotoScope 85

A new class of sport optic—combining long-range observation and photography in one seamless, high-performance unit. Zeiss innovation is alive and well, breaking the norm with a field of view that is up to 40% larger than through the traditional spotting scope.

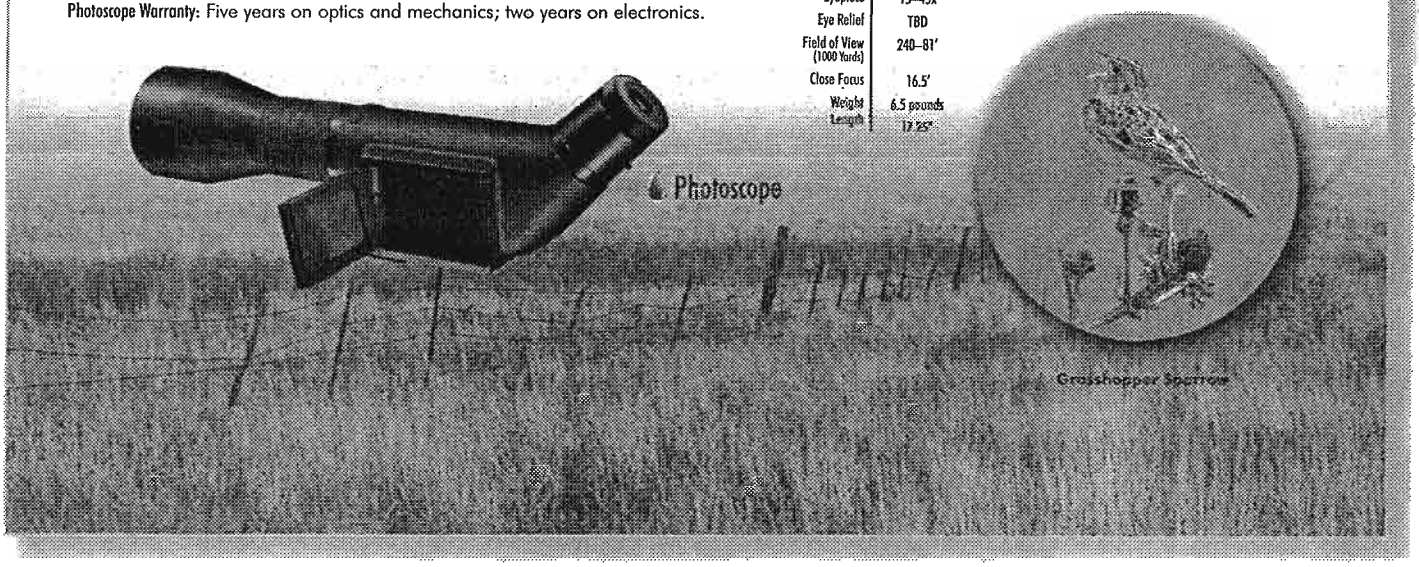
The high-tech design of the Victory PhotoScope 85, offering a variable magnification of 15x to 45x, incorporates a complex lens featuring a triple zoom setting and fluorite elements for tack-sharp, high-contrast images. A beam splitter within the PhotoScope enables you to view the brilliant images through the included eyepiece or on a fold-out display screen. The electronic remote control lets you capture the picture while avoiding blurry images. Numerous manual setting options just top the list of features that offer advanced camera users the ultimate in freedom and creativity.

Photoscope Warranty: Five years on optics and mechanics; two years on electronics.



Western Meadowlark

	Photoscope 85 mm
Eyepiece	15–45x
Eye Relief	TBD
Field of View (1000 Yards)	240–81'
Close Focus	16.5'
Weight	6.5 pounds
Length	19.25"



Gitzo Tripods

Gitzo limited lifetime warranty.

The GT 2542 L Tripod Legs

Expect optimum performance from the Gitzo Mountaineer tripod. This four-section tripod features a magnesium upper casting for weight reduction and provides solid support for spotting scopes, binoculars, and digital cameras. An ultra-low leg spread takes full advantage of Gitzo's Ground Level Set that allows you to remove the center column and take low-angle photographs.

GT 2542 Features: Carbon fiber legs, collar leg locks, multiple leg angles, reversible center column, weight hook.

The GT 1541 Tripod Legs

Ever since Gitzo launched the Mountaineer tripod series in 1994, the standard for performance has remained high—and the Gitzo 1541 tripod legs are no exception. Updated casting with three leg positions makes these compact tripod legs even more desirable.

GT 1541 Features: Carbon fiber legs, collar leg locks, multiple leg angles, reversible center column, weight hook.

The G 2180 Tripod Head

Smooth, refined handling is just what you need when birdwatching—you'll enjoy the ergonomic design of the G2180 tripod head. Gitzo engineering puts this compact, low-profile tripod head in a class of its own. The G2180 features muted colors and surfaces that won't reflect light and give your position away to the wildlife you are watching.

G 2180 Features: Quick release plate, counterbalancing head.

ManfrottoTripods

Manfrotto provides a 2-year limited warranty plus an additional 3-year warranty with online registration.

The 7301 YB Tripod Kit

Meeting the needs of travelers, this reliable tripod is easily packed into a suitcase and carried for long distances. The compact legs (20.1 inches) only weigh 3.7 pounds yet extend to 56.3 inches and can be set independently in two different angle positions. Topping off the legs is an aluminum three-way head with a short handle for easy panning.

7301 YB Features: Aluminum legs, flip lever leg locks, multiple leg angles, reversible center column, 3-way head with separate pan and tilt locks. **Included:** Quick-release plate, carry bag.

The 055 XB Tripod Legs

Versatility is what this Manfrotto aluminum tripod brings you. Portable enough to take out in the field, the 055 XB is strong enough to support digital cameras, spotting scopes, and binoculars.

055 XB Features: Aluminum legs, lever leg locks, leg wraps, multiple leg angles, reversible center column, low angle adapter.

The 190 XB Tripod Legs

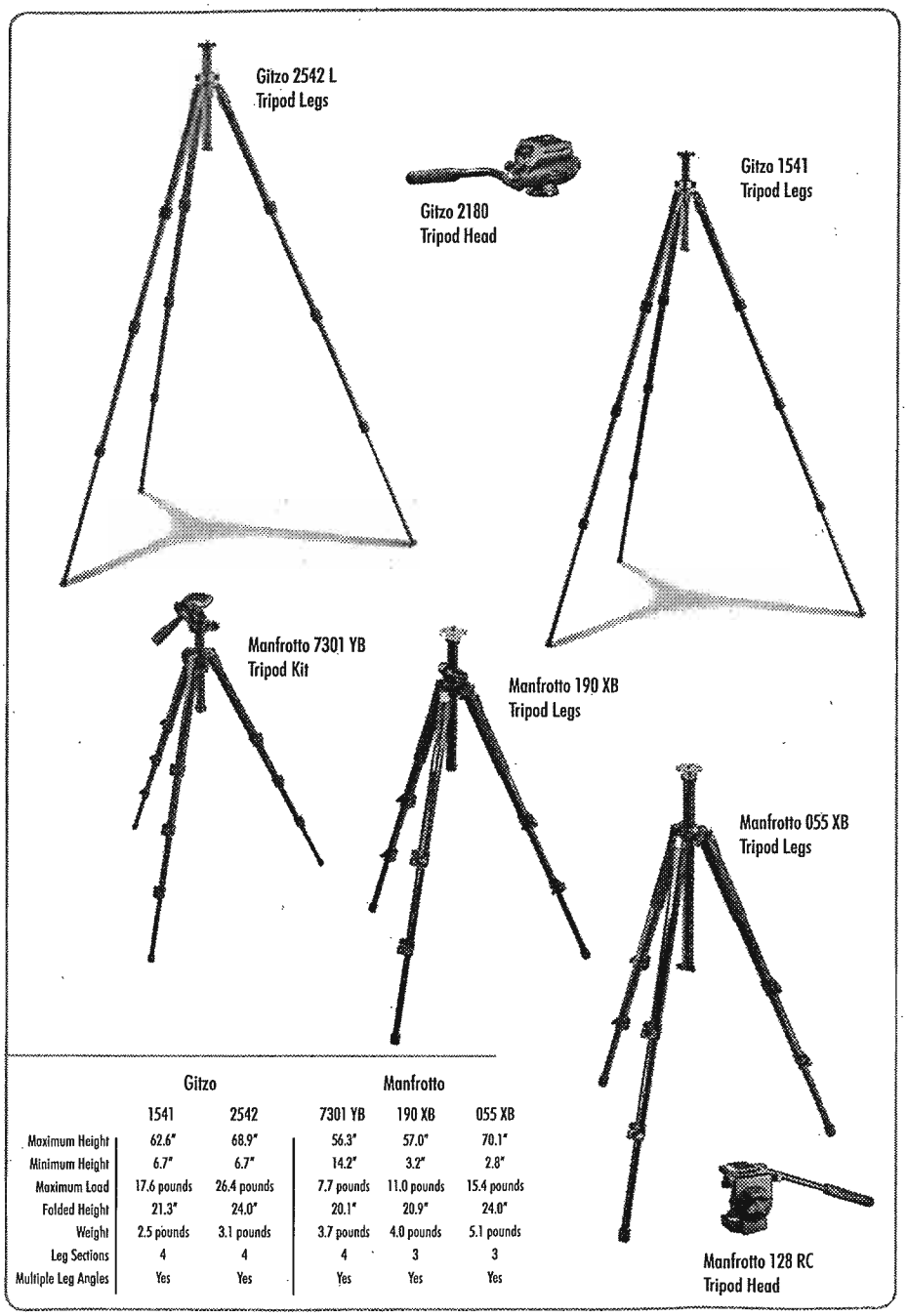
Manfrotto's sturdy 190 XB tripod is a redesign resulting in a lighter, more compact tripod with improved ergonomics of the leg angle release mechanism and quick-action leg locks. Leg angle presets work to increase stability in bad weather and on uneven terrain.

190 XB Features: Aluminum legs, lever leg locks, leg wraps, multiple leg angles, reversible center column, low angle adapter.

The 128 RC Micro Fluid Tripod Head

This is our most popular Manfrotto head, featuring excellent smooth fluid action. Enjoy easy control when viewing through spotting scopes, binoculars, or digital cameras.

128 RC Features: Quick-release plate.



	Gitzo		Manfrotto		
	1541	2542	7301 YB	190 XB	055 XB
Maximum Height	62.6"	68.9"	56.3"	57.0"	70.1"
Minimum Height	6.7"	6.7"	14.2"	3.2"	2.8"
Maximum Load	17.6 pounds	26.4 pounds	7.7 pounds	11.0 pounds	15.4 pounds
Folded Height	21.3"	24.0"	20.1"	20.9"	24.0"
Weight	2.5 pounds	3.1 pounds	3.7 pounds	4.0 pounds	5.1 pounds
Leg Sections	4	4	4	3	3
Multiple Leg Angles	Yes	Yes	Yes	Yes	Yes

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Swarovski CT 101 Tripod Kit

Top strength is wrapped up in this lightweight, sturdy tripod. Just right for long hikes and tough climbs, Swarovski's CT 101 won't weigh you down. The smooth action of the FH 101 tripod head is a favorite in the field. The two-stage tripod legs and flip-up leg locks adjust quickly and silently.

CT 101 Features: Carbon fiber legs, quick-release plate, lever leg locks, leg wraps, multiple leg angles, reversible center column. **Included:** Swarovski 1-year warranty.

Vortex Pro GT

Surprisingly affordable, the Pro GT provides solid support for spotting scopes. This tripod is an ideal choice if you're on a tight budget or need a reliable back-up tripod for your travels.

Pro GT Features: Aluminum legs, quick-release plate, lever leg locks, leg wraps, multiple leg angles. **Included:** Vortex 3-year limited warranty.

Vortex Shooting Stand

Want to travel light? The Vortex Shooting Stand is ideal for watching wildlife from a picnic table on your deck or for fast setup. At just 1.5 pounds, you can easily take the Shooting stand on any trail.

Shooting Stand Features: Aluminum legs. **Included:** Vortex 3-year limited warranty.

Car Window Mounts

Eagle Optics Car Window Mount

Use the Eagle Optics Car Window Mount to view wildlife from the comfort of your car. Mount your scope to the 1/4-inch tripod thread, and you're ready to go!

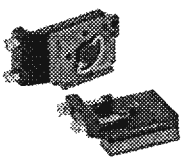
Shooting Stand Features: Eagle Optics 3-year limited warranty.

Manfrotto 243 Car Window Pod / Clamp

View wildlife from the warmth of your vehicle with Manfrotto's 243 car window pod/clamp. This lightweight, sturdy support easily clamps onto your window and will accept Manfrotto tripod heads.

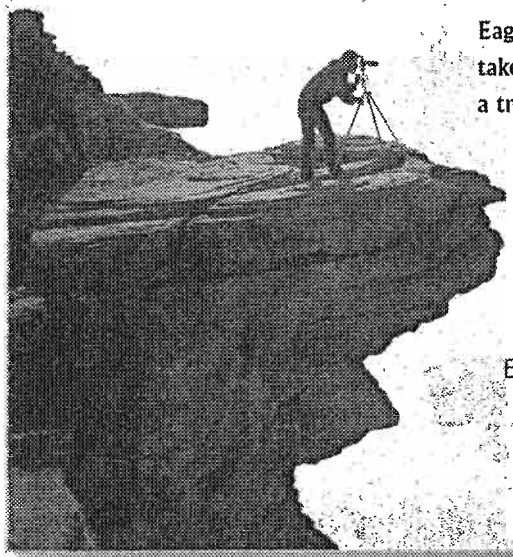
Shooting Stand Features: Manfrotto 2-year limited warranty plus an additional 3-year warranty with online registration.

Manfrotto Anti-Twist Spotting Scope Plate



Are you tired of your quick release plate coming loose in the field? Manfrotto designed the ingenious Anti-Twist Spotting Scope Plate to prevent unwanted rotation. Two rubber-padded bolts attach the 1/4-inch quick release plate to the bottom of most spotting scopes and keep your equipment secure. This plate will fit Manfrotto quick release tripod heads sold by Eagle Optics.

Tripod Questions? Let us help!



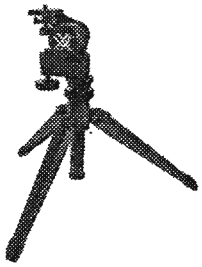
Eagle Optics knows tripods and takes the guesswork out of selecting a tripod with:

- **Portability**
- **Durability**
- **High Performance**
- **Value**

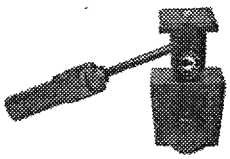
E-mail: info@eagleoptics.com
Call: 1-800-289-1132

Swarovski
CT 101 Tripod with
FH 101 Tripod Head

Vortex
Pro GT Tripod



Vortex
Shooting Stand

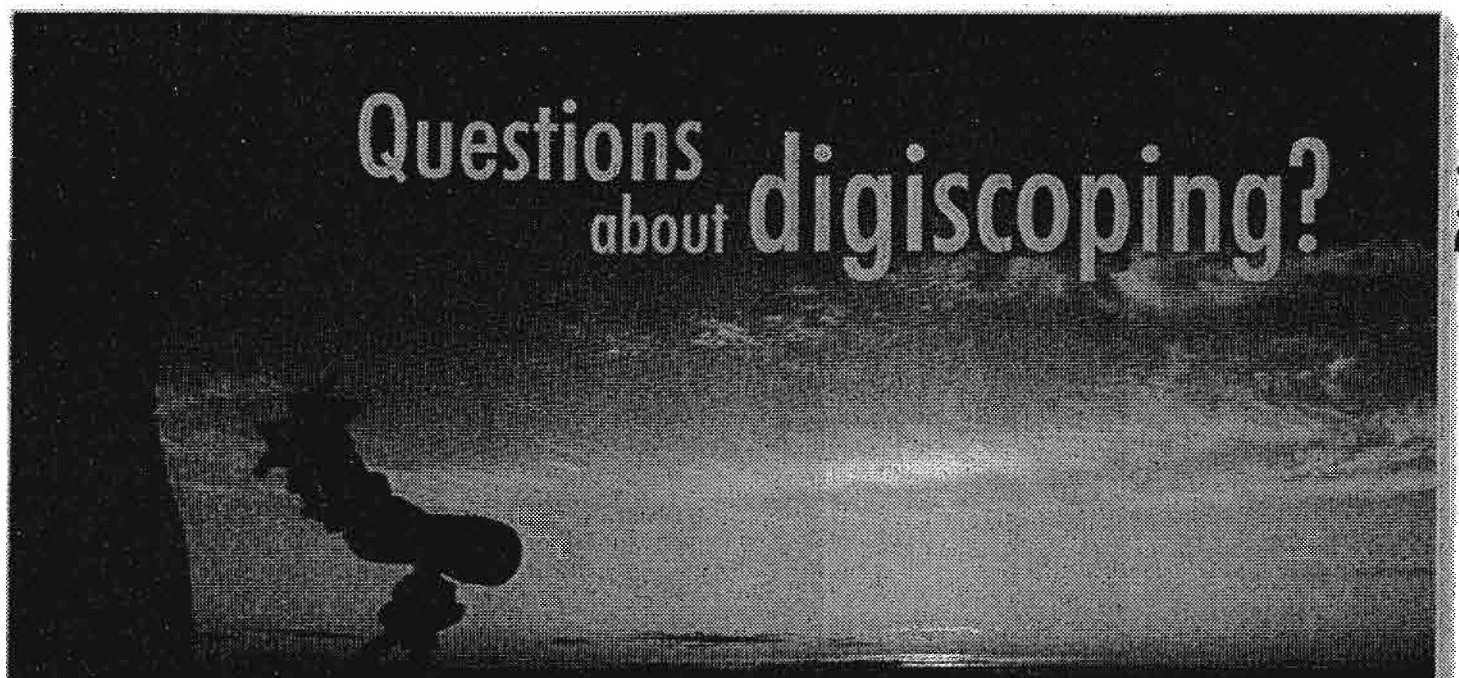


Eagle Optics
Car Window Mount

Manfrotto
Car Window Pod / Clamp

	Swarovski	Vortex	
	CT 101	Pro GT	Shooting Stand
Maximum Height	70.9"	63.0"	13.3"
Minimum Height	16.1"	23.0"	10.8"
Maximum Load	11.0 pounds	9.0 pounds	5.0 pounds
Folded Height	27.5"	24.5"	13.2"
Weight	4.4 pounds	5.8 pounds	1.5 pounds
Leg Sections	3	3	1
Multiple Leg Angles	Yes	Yes	—

Questions about digiscoping?



What is digiscoping?

Digiscoping is a unique kind of photography using a digital camera and spotting scope. Now you can expand your ability to photograph the wonders of nature by putting your digital camera to work.

If you plan to invest in a spotting scope for digiscoping, the best results will come from high quality optical systems featuring High Definition (HD), Extra-low Dispersion (ED), Apochromatic (APO) glass, or Fluoride elements.

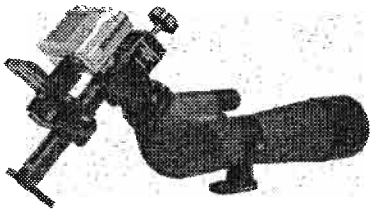
What do you *really* need for digiscoping?

Many people capture incredible images by simply holding their point-and-shoot digital camera up to the eyepiece of a spotting scope. Digital cameras that work for digiscoping have a 3–4x optical zoom and compact bodies.

Using the appropriate adapter can steady your camera.

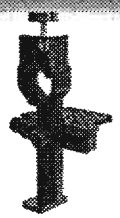
Vortex Universal Digital Camera Adapters

These universal adapters allow you to connect a digital point-and-shoot camera to a variety of spotting scopes.



The Vortex Universal Digital Camera Adapter attaches to the eyepiece of a spotting scope. Measure the outside diameter (OD) of the spotting scope eyepiece to choose the appropriately-sized Vortex adapter bracket.

Call Eagle Optics at 800-289-1132 for answers to your digiscoping questions.



Small DCA

Fits 28-45 mm Eyepieces (OD)

Meopta S1 75 Standard and APO Models
Nikon 50 mm Fieldscope with 13-30x Zoom
Nikon 60 mm Fieldscope with 20-45x Zoom
Nikon 82 mm Fieldscope with 25-56x Zoom
Vortex 60 mm Nomad
Vortex 70 mm Impact

Large DCA

Fits 43-65 mm Eyepieces (OD)

Bushnell 60 mm Elite
Bushnell 70 mm Elite
Bushnell 80 mm Elite
Bushnell 60mm Legend Ultra HD
Bushnell 80 mm Legend Ultra HD
Bushnell 60 mm Natureview
Celestron 80 mm Ultima ED
Kowa 60 mm with 20-60x Zoom
Kowa 66 mm with 20-60x Zoom
Kowa TSN 77 mm
Kowa TSN 88 mm
Kowa TSN 82 SV
Leica 65 mm Televid APO
Leica 82 mm Televid APO
Nikon 65 mm EDG
Nikon 85 mm EDG
Nikon 50 mm Fieldscope with 13-40x Zoom
Nikon 60 mm Fieldscope III with 20-60x Zoom
Nikon 82 mm Fieldscope with 25-75x Zoom
Nikon 65 mm Prostaff
Nikon 82 mm Prostaff
Pentax PF-65 ED II
Pentax PF-80 ED
Swarovski 65 mm ATM/STM
Swarovski 80 mm ATM/STM
Vortex 80 mm Skyline and Skyline ED
Zeiss 65 mm Diascope
Zeiss 85 mm Diascope

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March 2010

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Binoculars

Atlas Optics

Product	Product Code	Price
Intrepid ED 10x42	299	$359.99
Intrepid ED 8x42	295	$349.99
Radian 10x42	R31	$139.99
Radian 8x42	R38	$129.99
Sky King 10x42	SK143	$209.99
Sky King 8x42	SK142	$199.99

Bushnell

Product	Product Code	Price
Elite ED 8x42	628042ED	$389.00
Elite ED 10x42	620142ED	$399.00
Elite Custom 7x26	620726	$249.95
Excursion EX 8x36	243608	$169.00
Excursion EX 10x36	243610	$179.00
Excursion EX 8x42	244208	$189.00
Excursion EX 10x42	244210	$199.00
Marine 7x50 (Digital Compass)	137507	$219.00
Legend Ultra HD 8x36 Camo	190836	$249.95
Legend Ultra HD 10x36 Black	191036	$249.95
Legend Ultra HD 8x42	198042	$289.95
Legend Ultra HD 10x42	191042	$299.95
Natureview 8x42 Roof	22-0842	$119.00
Natureview 10x42 Roof	22-1042	$129.00
Natureview 8x42 Porro	13-2000	$109.00

Canon

Product	Product Code	Price
Image Stabilized 10x30	2997A002	$369.99
Image Stabilized 12x36 II	9332A002	$589.99
Image Stabilized 10x42 L	0155B002AA	$1,199.99
Image Stabilized 15x50	4625A002	$999.99
Image Stabilized 18x50	4624A002	$1,199.99

Eagle Optics

Product	Product Code	Price
Energy 8x21 Lava (Red)	LAVA-821	$49.99
Energy 8x21 Ocean (Green)	OCEAN-821	$49.99
Energy 8x21 Star (Silver)	STAR-821	$49.99
Energy 8x21 Sun (Yellow)	SUN-821	$49.99
Energy 8x21 Moon (Blue)	MOON-821	$49.99
Triumph 7x35 Porro Prism	THP735	$69.99
Triumph 8x25 Porro Prism	TPH0825	$79.99
Triumph 10x25 Porro Prism	TPH1025	$89.99
Triumph 8x25 Roof Prism	RP-TPH825	$89.99
Triumph 10x25 Roof Prism	RP-TPH1025	$99.99
Triumph 8x42 Porro Prism	TPH842	$79.99
Triumph 10x50 Porro Prism	TPH1050	$89.99
Denali 8x42	D082	$159.99
Denali 10x42	D102	$169.99
Ranger SRT 6x32	SRT-0632-1	$299.99
Ranger SRT 8x32	SRT-0832-2	$309.99
Ranger SRT 8x42	SRT-0842-3	$329.99
Ranger SRT 10x42	SRT-1042-4	$339.99
Ranger SRT 10x50	SRT-1050-5	$349.99
Ranger SRT 12x50	SRT-1250-6	$359.99
Raven 6.5x32	6532	$119.99
Raven 8.5x32	8532	$129.99

Fujinon

Product	Product Code	Price
Polaris 7x50 FMT-SX	7107502	$528.00
Polaris 10x70 FMT-SX	7107702	$549.00
Polaris 16x70 FMT-SX	7107670	$685.00
Techno-Stabi 12x32	7501232	$769.00
Techno-Stabi 14x40	7511440	$1,095.00

Kowa

Product	Product Code	Price
BD 8x25	BD25-8GR	$285.00
BD 10x25	BD25-10GR	$300.00
BD 8x32	BD32-8	$449.00
BD 10x32	BD32-10	$469.00
BD 8x42	BD42-8GR	$529.00
BD 10x42	BD42-10GR	$539.00
Genesis 10x33	GN33-10	$1,159.00
Genesis 8x33	GN33-8	$1,160.00
Genesis 8.5x44	GN44-8	$1,200.00
Genesis 10.5x44	GN44-10	$1,439.00

Leica

Product	Product Code	Price
Ultravid HD 8x32	40290	Call
Ultravid HD 7x42	40292	Call
Ultravid HD 10x32	40291	Call
Ultravid HD 8x42	40293	Call
Ultravid HD 8x50	40295	Call
Ultravid HD 10x42	40294	Call
Ultravid HD 10x50	40296	Call
Ultravid HD 12x50	40297	Call
Ultravid 8x42 BL (Leather)	40271	Call
Ultravid 10x42 BL (Leather)	40272	Call
Ultravid 8x20 BCR	40252	Call
Ultravid 10x25 BCR	40253	Call

Leopold

Product	Product Code	Price
Golden Ring HD 8x42	62810	$779.99
Golden Ring HD 10x42	62815	$799.99
Northfork 8.5x45	65795	$549.00
Northfork 10.5x45	65805	$579.00
Pinnacles 8x42	54504	$439.00
Pinnacles 10x42	54514	$449.00
Mojave 8x42 (Black)	62105	$329.95
Mojave 10x42 (Black)	62115	$359.95
Mojave 10x50	65815	$399.00
Mojave 12x50	65825	$429.00
Katmai 6x32	56410	$329.00
Katmai 8x32	56420	$349.00
Katmai 10x32	56430	$369.00
Cascades 8x42 Roof	53530	$259.95
Cascades 10x42 Roof	53532	$269.95
Rogue 8x25	59220	$89.00
Rogue 10x25	59225	$99.00
Rogue 8x42	65550	$149.00
Rogue10x50	65555	$169.00
Yosmite 6x30 (Black/Natural)	61165/61175	$79.95
Yosemite 6x30 (Pink Mossy Oak)	59200	$98.95
Yosemite 8x30 (Black/Natural)	62515/62525	$98.95
Yosemite 8x30 (Blaze Mossy Oak)	59205	$129.00
Yosemite 8x30 (Blaze Mossy Oak)	59205	$129.00

Meopta

Product	Product Code	Price
MeoPro 6.5x32	523460	$349.99
MeoPro 8x42	523470	$449.99
MeoPro 10x42	523480	$499.99

Minox

Product	Product Code	Price
APO HG 10x43	62194	$1,899.00
APO HG 8x43	62193	$1,849.00
BL 8x32 BR	62149	$349.00
BL 8x42 BR	62147	$379.00
BL 8x56 BR	62165	$799.00
BL 13x56 BR	62166	$829.00
BV BRW 8x25	62171	$149.00
BV BRW 10x25	62172	$159.00
CB BL 8x44	62195	$489.00
CB BL 10x44	62196	$499.00
HG 8x33 BR	62188	$1,295.00
HG 8x43 BR	62189	$1,345.00
HG 10x43 BR	62190	$1,395.00
HG 8.5x52 BR	62191	$1,595.00
HG 10x52 BR	62192	$1,595.00

Nikon

Product	Product Code	Price
Action Extreme 7x35 ATB	7237	$114.99
Action Extreme 8x40 ATB	7238	$129.99
Action Extreme 7x50 ATB	7239	$134.99
Action Extreme 10x50 ATB	7245	$149.99
Action Extreme 12x50 ATB	7246	$159.99
Action Extreme 16x50 ATB	7247	$179.99
Monarch 8x36 ATB	7513	$229.95
Monarch 10x36 ATB	7514	$249.95
Monarch 8.5x56 ATB	7517	$369.95
Monarch 10x56 ATB	7518	$419.95
Monarch 12x56 ATB	7519	$439.95
Monarch III 8x42	7294	$279.95
Monarch III 10x42	7295	$399.95
Monarch III 12x42	7296	$329.95
Monarch X 8.5x45	7532	$579.95
Monarch X 10.5x45	7533	$599.95
EDG 8x32	7563	$1,749.95
EDG 10x32	7564	$1,799.95
EDG 7x42	7560	$1,799.95
EDG 8x42	7561	$1,899.95
EDG 10x42	7562	$1,999.95
Prostaff 8x25	7483	$99.99
Prostaff 10x25	7485	$119.99
Prostaff 12x25	7486	$129.99
Trailblazer 8x25 ATB	8217	$79.95
Trailblazer 10x25 ATB	8218	$89.95
Trailblazer 8x42 ATB	8220	$129.99
Trailblazer 10x42 ATB	8239	$149.95
Trailblazer 10x50 ATB	8221	$159.99
Action Zoom 7-15x35	7227	$119.99
Action Zoom 10-22x50	7234	$129.99

Pentax

Product	Product Code	Price
DCF NV 8x36	62486	$219.00
DCF NV 10x36	62487	$219.00
DCF LV 9x28	62599	$219.00
Papilio 6.5x21	62215	$119.00
Papilio 8.5x21	62216	$129.00

Pentax cont.

Product	Product Code	Price
DCF HRc 8x42	62553	$269.00
DCF HRc 10x42	62554	$279.00
DCF WP II 8x42	62551	$329.00
DCF WP II 10x42	62552	$359.00
DCF SP 8x32	62619	$499.00
DCF SP 8x43	62615	$549.00
DCF SP 10x43	62616	$599.00
DCF SP 10x50	62617	$699.00
DCF ED 8x32	62622	$799.00
DCF ED 8x43	62623	$899.00
DCF ED 10x43	62624	$999.00
DCF ED 10x50	62625	$1,049.00

Steiner

Product	Product Code	Price
Predator C5 10x42	250	$799.99
Predator C5 12x42	252	$849.00
Merlin 8x32	436	$429.99
Safari Pro 8x22	231	$119.99
Safari Pro 10x26	235	$139.99
Safari Pro 8x30	444	$199.99
Merlin 8x42	446	$499.00
Merlin 10x42	456	$509.99
Merlin 10x50	430	$749.99
Peregrine XP 8x44	604	$1,599.99
Peregrine XP 10x44	614	$1,629.99

Swarovski

Product	Product Code	Price
EL 8x32	32008	Call
EL 10x32	32010	Call
EL 8.5x42 Swarovision	34108	Call
EL 10x42 Swarovision	34110	Call
Pocket 8x20 Traveler	46008 / 46108	Call
Pocket 10x25 Traveler	46010 / 46110	Call
SLCnew 8x30	58126	Call
SLCnew 7x42	58106	Call
SLCnew 7x50	58171	Call
SLCnew 10x42	58110	Call
SLCnew 8x50	58161	Call
SLCnew 10x50	58151	Call
SLCnew 15x56	58191	Call
SLCnew 8x56	58181	Call

Vortex

Product	Product Code	Price
Kaibab 15x56 HD	K15	$1,199.99
Crossfire 8x32	CRF-328	$99.99
Crossfire 10x32	CRF-321	$109.99
Crossfire 8x42	CFR-4208	$139.99
Crossfire 10x42	CFR-4210	$149.99
Diamondback 7x36	D736	$189.99
Diamondback 9x36	D936	$199.99
Diamondback 8x42	D248	$219.99
Diamondback 10x42	D241	$229.99
Diamondback 8.5x50	D5085	$239.99
Diamondback 10x50	D5010	$249.99
Diamondback 12x50	D5012	$259.99
Diamondback 8x28	D2806	$139.99
Diamondback 10x28	D2810	$149.99
Vanquish 8x26	VNQ-0826	$119.99
Vanquish 10x26	VNQ-1026	$129.99
Fury 6.5x32	FRY-3365	$259.99
Fury 8x32	FRY-3308	$269.99
Fury 10x32	FRY-3310	$279.99
Fury 8x42	FRY-4308	$289.99
Fury 10x42	FRY-4310	$299.99
Fury 12.5x42	FRY-4312	$309.99
Razor 8x42	RZR-0842EU	$749.99
Razor 10x42	RZR-1042EU	$769.99
Razor 8.5x50	RZR-8550EU	$829.99
Razor 10x50	RZR-1050EU	$849.99
Razor 12x50	RZR-1250EU	$869.99
Spitfire 8.5x32	SPR-2585	$139.99
Spitfire 10x32	SPR-3210	$149.99
Viper 6x32	VPR-3206	$509.99
Viper 8x32	VPR-3208	$579.99
Viper 10x32	VPR-3210	$529.99
Viper 8x42	VPR-08-VX	$539.99
Viper 10x42	VPR-10-VX	$549.99
Viper 12x42	VPR-12-VX	$559.99
Viper 8.5x50	VPR-855-VX	$589.99
Viper 10x50	VPR-105-VX	$699.99
Viper 8x28	V208	$319.99
Viper 10x28	V210	$329.99
Viper 15x50	VPR-150-VX	$619.99
Raptor 6.5x32	R365	$119.99
Raptor 8.5x32	R385	$129.99

Binoculars Continued

Zeiss

Product	Product Code	Price
Conquest 8x20 (Leather Case)	522073	Call
Conquest 10x25 (Leather Case)	522074	Call
Conquest 8x30	52-32-08	Call
Conquest 10x30	52-32-10	Call
Conquest 8x40	52-45-08	Call
Conquest 10x40	52-45-10	Call
Conquest 12x45	52-45-12	Call
Conquest 15x45	52-45-15	Call
Conquest 8x50	52-50-08	Call
Conquest 10x50	52-50-10	Call
Conquest 8x56	525012	Call
Conquest 10x56	525014	Call
Victory 8x20 (Leather Case)	522075	Call
Victory 10x25 (Leather Case)	522076	Call
Victory FL 8x32 (Black / Green)	523230 / 523232	Call
Victory FL 10x32 (Black / Green)	523231 / 523233	Call
Victory FL 7x42 (Black / Green)	524540 / 524550	Call
Victory FL 8x42 (Black / Green)	524541 / 524551	Call
Victory FL 10x42 (Black / Green)	524542 / 524552	Call
Victory FL 8x56 (Black / Green)	525608 / 525611	Call
Victory FL 10x56 (Black / Green)	525610 / 525612	Call

Binocular Accessories

Vortex Fog Free Lens Cleaning Kit	FFLCK-2	$6.99
Mini Link Binocular Strap	LINK	$12.95
Vortex Binoc-Loc Binocular Hinge Lo	B-LOC	$14.99
Vortex Fog Free Lens Cleaning Sys	FFLCS-1	$19.99
Vortex Binocular Tripod Adapter	VT-400	$19.99
EO Bino System Harness Strap	BSE01	$21.99

Spotting Scopes

Bushnell

Natureview 15-45x60	78-1645	$139.00
Legend Ultra HD 12-36x50 Straight	786350ED	$279.00
Legend Ultra HD 12-36x50 Angled	786351ED	$289.00
Legend Ultra HD 15-45x60	785460ED	$299.00
Legend Ultra HD 20-60x80 Angled	786081ED	$399.00
Elite ED 20-60x80 (Straight)	78-0080	$719.00
Elite ED 20-60x80 (Angled)	78-8045	$729.00

Kowa

TSN 661 Body (Angled)	TSN-661	$510.00
TSN 662 Body (Straight)	TSN-662	$510.00
TSN 663 Prominar Body (Angled)	TSN-663	$899.00
TSN 664 Prominar Body (Straight)	TSN-664	$899.00
TSN 660 25xLER Eyepiece	TSE-17HD	$215.00
TSN 660 30xWA Eyepiece	TSE-14WD	$265.00
TSN 660 20-60x Eyepiece	TE-9Z	$370.00
TSN 773 Prominar Body (Angled)	TSN773	Call
TSN 774 Prominar Body (Straight)	TSN774	Call
TSN 770/880 25xLER Eyepiece	TE20H	$345.00
TSN 770/880 30xWA Eyepiece	TE17W	$345.00
TSN 770/880 20-60x Eyepiece	TE10Z	$595.00
TSN 883 Prominar Body (Angled)	TSN883	Call
TSN 884 Prominar Body (Straight)	TSN884	Call
TSN 82SV 82mm Angled	82SV	Call

Leica

Leica Televid 25-50x Eyepiece	SEY-LC-41019	Call
Televid APO 65mm (Angled)	SPT-LC-40129	Call
Televid APO 65mm (Straight)	SPT-LC-40127	Call
Televid APO 82mm (Angled)	SPT-LC-40121	Call
Televid APO 82mm (Straight)	SPT-LC-40119	Call

Leupold

Kenai 80mm		
Golden Ring 12-40x60	61050	$999.99
Golden Ring HD 12-40x60	61060	$1,199.99
Sequoia 15-45x60 (Angled)	54534	$259.00
Sequoia 15-45x60 (Straight)	53546	$259.00
Sequoia 20-60x80 (Angled)	61155	$399.00
Sequoia 20-60x80 (Straight)	61130	$399.00

Spotting Scopes Continued

Meopta

Meostar S1.75 Body (Angled)	80922	$899.99
Meostar S1.75 APO Body (Angled)	80912	$1,149.99
Meostar S1.75 Body (Straight)	80924	$899.99
Meostar S1.75 APO Body (Straight)	80914	$1,149.99
Meostar 30x Eyepiece	20212	$199.99
Meostar 20-60x Eyepiece	20222	$279.99

Nikon

EDG 20-60x85 Angled	8293	$3,299.95
EDG 20-60x85 Stright	8292	$3,299.95
EDG 16-48x65 Angled	8291	$2,699.95
EDG 16-48x65 Straight	8290	$2,699.95
EDG 20-60 Eyepiece		
EDG 20x/25x LER Eyepiece	8300	$479.00
EDG 24x/30x Wide Eyepiece	8295	$569.00
Fieldscope 25-75x82 ED Angled	8337	$1,399.95
Fieldscope 25-75x82 ED Straight	8332	$1,299.95
Fieldscope 13-50x50 ED (Angled)	8321	$699.95
Fieldscope 13-50x50 ED (Straight)	8320	$699.95
Prostaff 16-48x65 (Angled)	8309	$399.95
Prostaff 16-48x65 (Straight)	8308	$399.95
Prostaff 20-60x82 (Angled)	8312	$599.95
Prostaff 20-60x82 (Straight)	8311	$599.95

Pentax

PF-65 ED II Body (Straight)	70966	$529.00
PF-65 ED II Body (Angled)	70967	$599.00
PF-80 ED Body (Straight)	70930	$749.00
PF-65 20-60x65 ED II (Straight)	KU70117	$749.00
PF-65 20-60x65 ED II (Angled)	KU70118	$799.00
PF-80 ED Body (Angled)	70950	$799.00
PF-80 20-60x80 ED (Straight)	KU70114	$999.00
PF-80 21-63x80 ED (Angled)	KU70115	$1,029.00
Pentax XW20	70516	$329.00
Pentax XW14	70515	$329.00
Pentax XW10	70514	$329.00

Call for assistance with SLR / DSLR digital & photo adapters.

Swarovski

65mm ATM Body (Angled)	49304	Call
65mm ATM HD Body (Angled)	49314	Call
65mm STM Body (Straight)	49308	Call
65mm STM HD Body (Straight)	49318	Call
80mm ATM Body (Angled)	49604	Call
80mm ATM HD Body (Angled)	49614	Call
80mm STM Body (Straight)	49608	Call
80mm STM HD Body (Straight)	49618	Call
ATM/STM 20x Eyepiece	49335	Call
ATM/STM 30xWA Eyepiece	49336	Call
ATM/STM 45xWA Eyepiece	49337	Call
ATM/STM 20-60x Eyepiece	49330	Call
ATM/STM 25-50x Eyepiece	49340	Call
Swarovski Balance Rail	60438	Call

Vortex

Razor HD 20-60x85		
Skyline 20-60x80 (Angled)	SKL-80A	$449.99
Skyline ED 20-60x80 (Angled)	ED80SK-A	$749.99
Skyline 20-60x80 (Straight)	SKL-80S	$429.99
Skyline ED 20-60x80 (Straight)	ED80SK-S	$729.99
Razor HD Digital Camera Adapter	RZR-DA	$169.99
Nomad 20-60x60 (Angled)	NMD-60A	$339.99
Nomad 20-60x60 (Straight)	NMD-60S	$329.99
Impact 25-75x70 (Angled)	IMT-70RA	$199.99

Spotting Scopes Continued

Zeiss

Product	Product Code	Price
Diascope 30x/40x Eyepiece	528066	Call
Vario (15-45x/20-60x) Eyepieces	528067	Call
Vario (15-56x/20-75x) Eyepiece	528068	Call
65mm Diascope Green Body (Angled)	528054	Call
65mm Diascope Green Body (Straight)	528044	Call
65mm Diascope Silver Body (Straight)	528042	Call
65mm Diascope Silver Body (Angled)	528052	Call
85mm Diascope Silver Body (Angled)	528053	Call
85mm Diascope Green Body (Straight)	528045	Call
85mm Diascope Silver Body (Straight)	528043	Call
85mm Diascope Green Body (Angled)	528055	Call

Spotting Scope Accessories

Bush Hawk Shoulder Mount	BH-200S	$89.95
Eagle Optics Car Window Mount	CWM	$49.99
Wandering Tattler Tri-Pack Backpack	TP100-B	$45.00
Universal Digital Camera Adapter		
Vortex Small DCA (28-45mm OD)	2845	$49.99
Vortex Large DCA (43-65mm OD)	4365	$59.99
Lens Cleaning Accessories		
Vortex Fog Free Lens Cleaning Kit	FFLCK-2	$6.99
Eagle Optics Lens Pen	LP1	$9.99
Zeiss Portable Lens Care System	Kit H	$25.00
Vortex Fog Free Lens Cleaning System	FFLCS-1	$19.99

Tripods

Manfrotto 7301 YB Tripod Kit	7301YB	140.00
Manfrotto Anti-Twist Plate	200USS	$59.00
Manfrotto 190XB Legs	190XB	$140.00
Manfrotto 128RC Micro Fluid Tripod Head	128RC	$90.00
Manfrotto 055 XB Tripod Legs	055XB	$165.00
Bogen Car Window Mount Set	243-391RC	$92.00
Gitzo G2180 Tripod Head	G2180	$225.00
Gitzo GT 1541 Carbon Legs	GT1541	$640.00
Gitzo GT 2542 L Mountaineer Legs	GT2542L	$730.00
Swarovski CT 101 Tripod Kit	49062	$735.00
Swarovski CT 101 Carbon Tripod Legs	49083	$429.00
Eagle Optics Car Window Mount	CWM	$49.99
Vortex Shooting Stand	VT-ST2	$49.99
Vortex Pro GT Tripod Kit	PRO-1000	$99.99

Monoculars

Minox Minoscope 8x25	62207	$169.00
Brunton 7x40 Macroscope	7040-MACRO	$129.00
Insight 7x18 Bluebird (Blue)	718-BLUEBIRD	$29.99
Insight 7x18 Cardinal (Red)	718-CARDINAL	$29.99
Insight 7x18 Goldfinch (Yellow)	718-GOLDFINC	$29.99
Insight 7x18 Warbler (Green)	718-WARBLER	$29.99
Insight 7x18 (Metallic)	718-METALLIC	$29.99
Leica Monovid 8x20	40390	$499.00
Vortex Solo 8x25	S825	$49.99
Vortex Solo 10x25	S105	$54.99
Vortex Solo 8x36	S836	$99.99
Vortex Solo 10x36	S136	109.99
Zeiss Conquest Mini Quick 5x10	52-20-10	$149.99
Zeiss DesignSelection 4x12	52-20-50	$269.99
Zeiss DesignSelection 6x18	52-20-51	$299.99
Zeiss DesignSelection 8x20	52-20-52	$329.99

Eagle Optics Order Form

Product Information

Description	Quantity	Product Code	Unit Price	Extension
			Sub-Total	
			FedEx Ground Shipping	FREE
			Wisconsin Residents add 5% Sales Tax	
			Total	

Method of Payment

Please allow 20 working days for processing check orders.	Check ☐
Credit Card Number	Discover ☐
	Mastercard ☐
Expiration Date List as MM/YY.	Visa ☐
Signature Required for all credit card orders.	
X	

For mail orders, please send your completed order form to:

Eagle Optics Mail Order
2120 West Greenview Drive, Suite 4
Middleton, Wisconsin 53562

Billing Address

Name			
Address			
City, State		Zip Code	
Phone #			
Email Address			

Shipping Address

*(If different from Billing Address) - (FedEX **does NOT ship to PO Boxes**)*

Name			
Street Address			
City, State		Zip Code	
Phone #			
Email Address			

Call Eagle Optics

For Friendly, Knowledgeable Service

Call to place an order, or ask questions during these Central Time Zone hours:

Monday - Friday 9:00 AM to 6:00 PM

Saturday 10:00 AM to 2:00 PM

1-800-289-1132

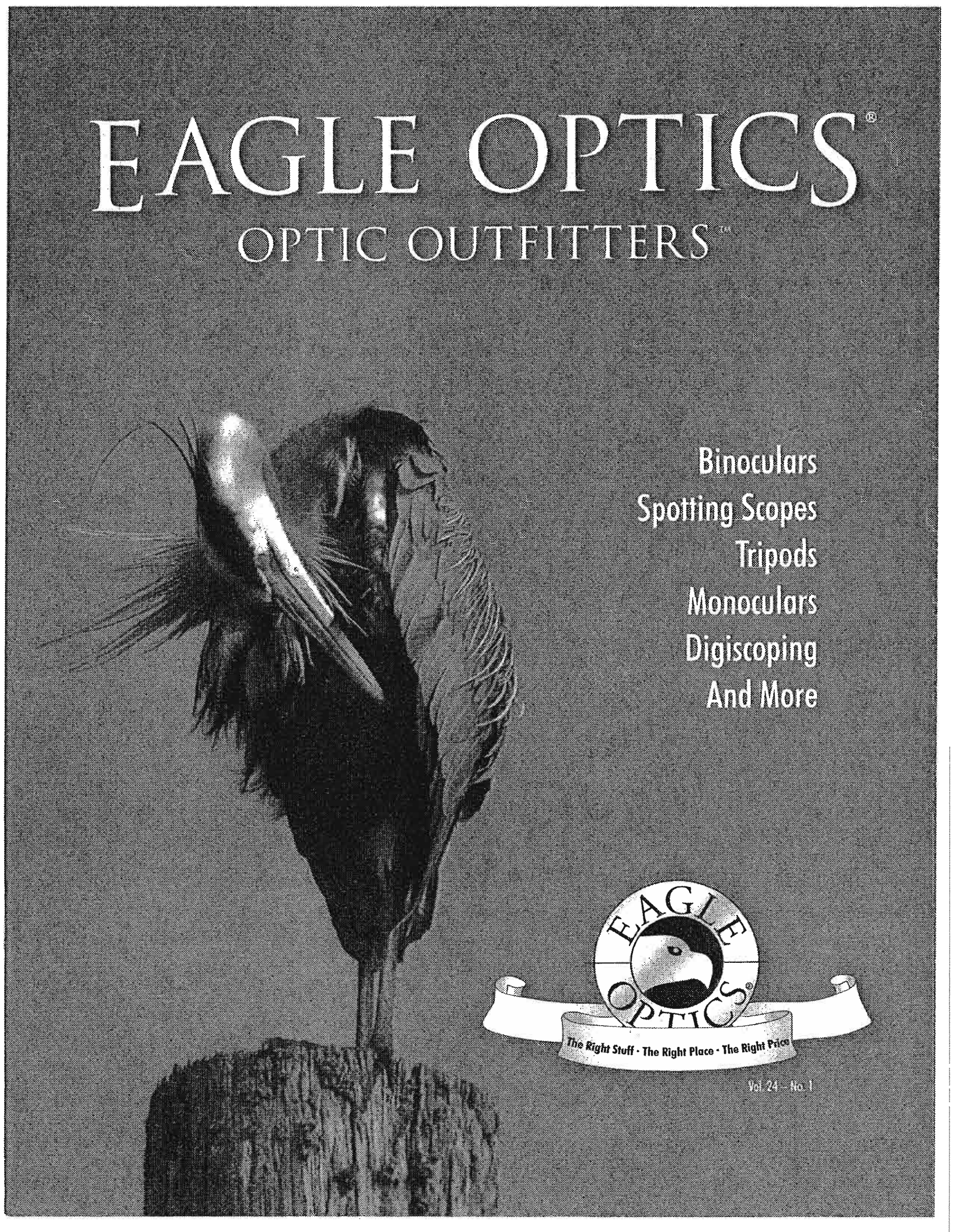
Visit **www.eagleoptics.com**

For secure internet shopping 24 hours a day!

EXHIBIT 11
TO DECLARATION OF
DANIEL C. HAMILTON

EAGLE OPTICS®

OPTIC OUTFITTERS™

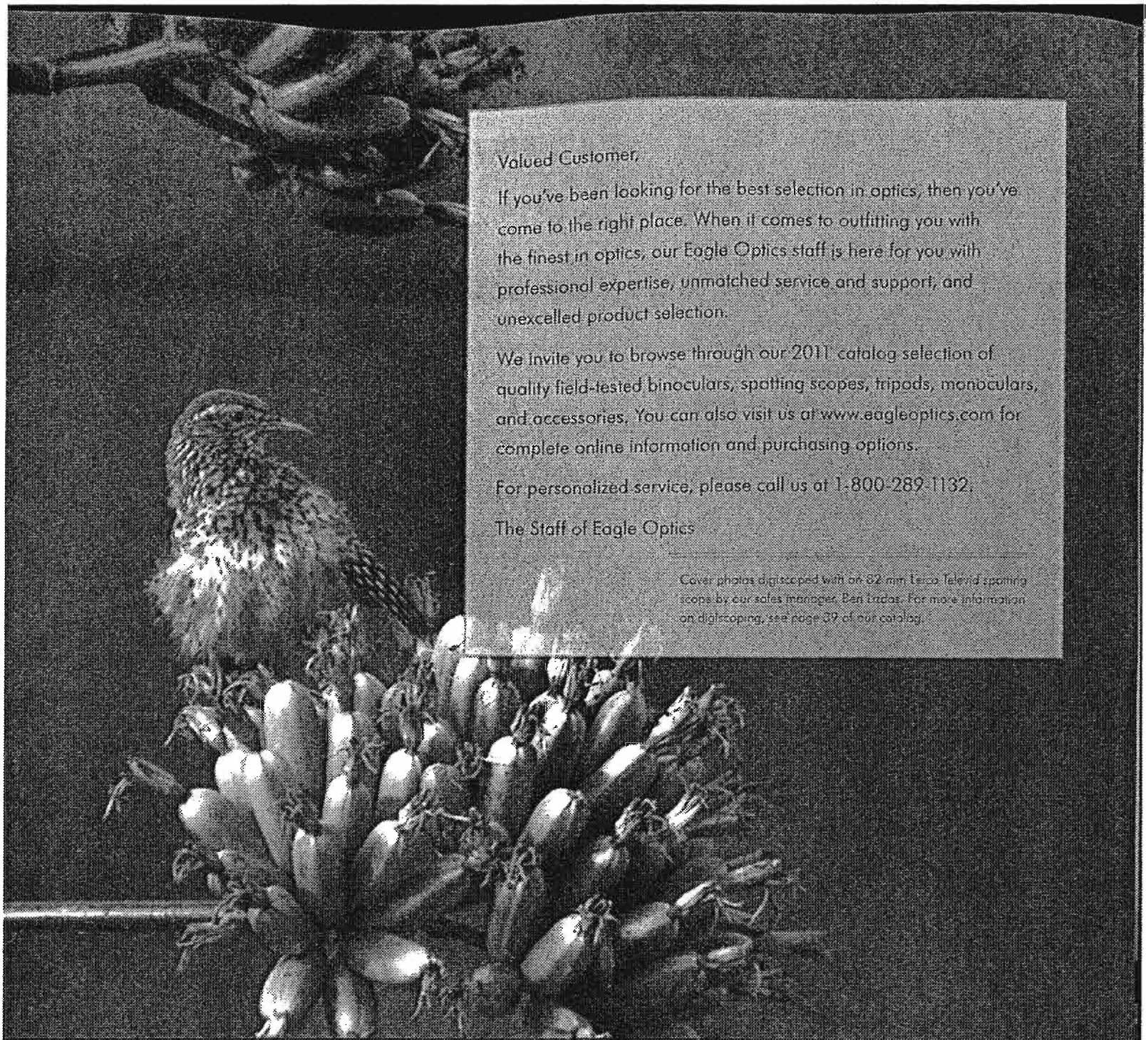


Binoculars
Spotting Scopes
Tripods
Monoculars
Digiscoping
And More

EAGLE OPTICS®

The Right Stuff · The Right Place · The Right Price

Vol. 24 – No. 1



Valued Customer,

If you've been looking for the best selection in optics, then you've come to the right place. When it comes to outfitting you with the finest in optics, our Eagle Optics staff is here for you with professional expertise, unmatched service and support, and unexcelled product selection.

We invite you to browse through our 2011 catalog selection of quality field-tested binoculars, spotting scopes, tripods, monoculars, and accessories. You can also visit us at www.eagleoptics.com for complete online information and purchasing options.

For personalized service, please call us at 1-800-289-1132.

The Staff of Eagle Optics

Cover photos digiscoped with an 82 mm Leica Televid spotting scope by our sales manager, Ben Lindas. For more information on digiscoping, see page 39 of our catalog.

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The EAGLE OPTICS Difference

Friendly, Knowledgeable Service

At Eagle Optics we know details matter, especially when you are investing in fine optical instruments. That's why you can call our professional staff whenever you need to compare, contrast, or clarify information—no matter how simple or specialized the question! E-mail your questions or comments to info@eagleoptics.com, or call 1-800-289-1132.

Fast FedEx Ground Shipping

Eagle Optics is proud to offer our customers FedEx Ground Shipping to the 48 contiguous states! You can expect in-stock orders to ship within one business day of receipt. Please allow 20 working days for orders paid with a personal check.

Our 30 Day Exchange / Return Policy

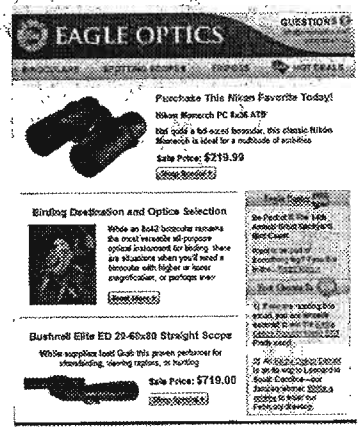
Your absolute satisfaction matters to us! If you're not satisfied with your purchase, for any reason, simply return the product within 30 days for an exchange or full product refund. Customers are responsible for return shipping costs. Please return the product to Eagle Optics in new condition, with all the original packaging and a copy of the Eagle Optics invoice.

Safe and Secure Online Sales

Eagle Optics guarantees that you can shop online with peace of mind. Our website is secured by QuickSSL 128-bit encryption for the highest possible level of online security. This means that your online transactions with Eagle Optics remain private and secure.

Explore eagleoptics.com for the Latest News

Since the beginning, putting customers first has been the top priority of Eagle Optics. Today, it's the driving force behind our growing online community. Explore www.eagleoptics.com today, visit it frequently in the future, and let us know what you think.



www.eagleoptics.com

Eagle Optics Online Newsletter

Sign up for our weekly e-mail on our Home Page for:

- News about birds, festivals, and conservation efforts
- Special promotions
- Closeout deals
- Contest details

Eagle's Nest

Visit the Eagle's Nest for news about a wide variety of sports optics and answers from our Eagle Optics staff.

- **Eagle Optics Blog** for birding new, products, and tips
- **Binocular Reviews**
- **Mike's Birding & Digiscoping Blog**
- **Birding Binocular Q & A**

Inside this Catalog

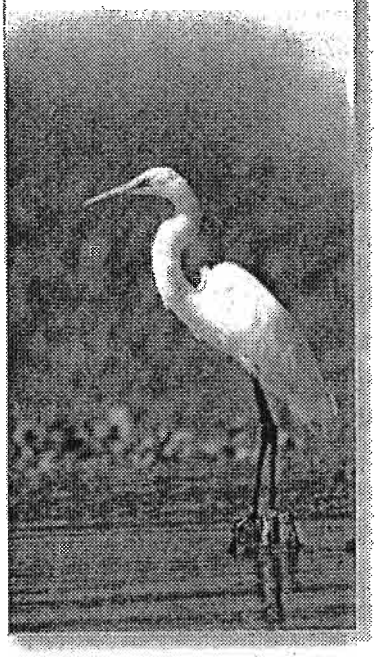
Look for this icon and find new products quickly, then read a brief review of the series. You'll find the specifications for binoculars, spotting scopes, monoculars, and rangefinders listed in a chart like the one shown here.

	Binocular Model
Eye Relief	19.5 mm
Close Focus	5'
Field of View (1000 Yards)	336'
Height	5.75"
Width	5.1"
Weight	23.6 oz

Waterproof optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside the optical barrel. Fogproof optics are filled with nitrogen or argon gas to inhibit internal fogging.

Do optics terms confuse you?

Turn to pages 24–25 for helpful, informative explanations about the world of optics.



Atlas Optics Binoculars

Atlas Optics unlimited, unconditional lifetime warranty.

Intrepid ED

The Atlas Optics Intrepid ED shows you details you've never discovered before. With the benefits of extra-low dispersion glass and fully multi-coated lenses for bright, high-quality images, the Intrepid ED is sure to please wherever the trail takes you. An exceptionally wide field of view makes you feel like you just stepped into the action, and the ergonomically pleasing open-hinge design allows you to easily follow wildlife for a long time. This is one binocular sure to carry its weight for a long time.

Intrepid ED Features: Extra-low Dispersion (ED) glass, fully multi-coated, phase corrected, rubber armor, magnesium alloy body, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), SeeClear™ exterior lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Sky King

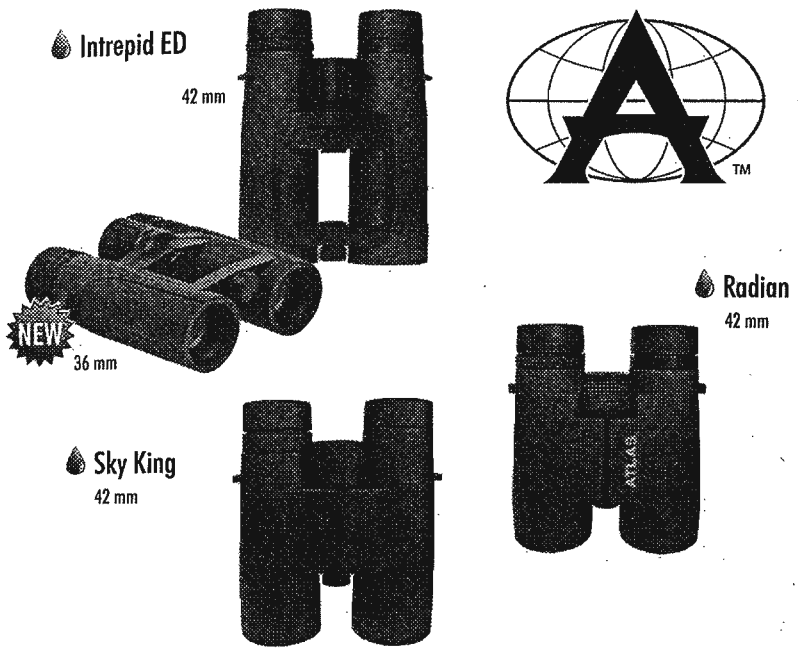
Are you looking for high-flying performance at a budget-conscious price? Look no further than the Atlas Optics Sky King binocular. The Sky King will amaze you with its wide field of view, eye-popping brightness, and impressive color delivery.

Sky King Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Radian

Surrounding you with the radiant details essential for discovery, the Atlas Optics Radian features all the desired optical features needed to deliver impressive light transmission and color resolution. The wide field of view will impress you with edge-to-edge sharpness found in more expensive binoculars.

Radian Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, twist-up eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.



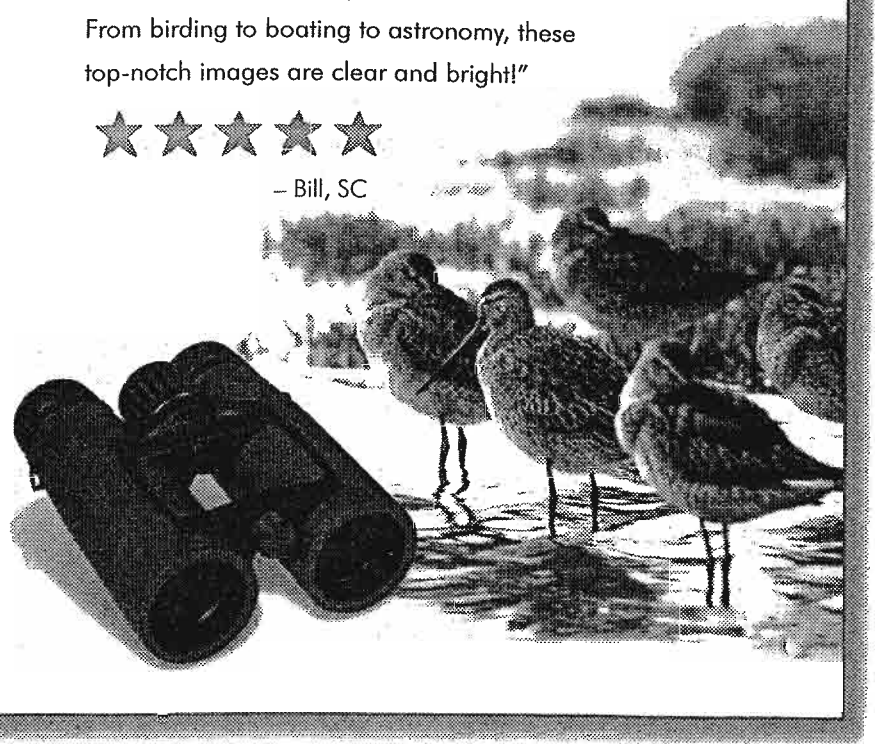
	Intrepid ED			Sky King		Radian	
	7x36	8x42	10x42	8x42	10x42	8x42	10x42
Eye Relief	16.8 mm	17 mm	15 mm	17 mm	15 mm	17.5 mm	15.5 mm
Close Focus	5.1'	6.5'	6.5'	6.0'	6.0'	6.5'	6.5'
Field of View (1000 Yards)	477'	420'	342'	365'	320'	375'	305'
Height	5.8"	6.5"	6.5"	5.5"	5.5"	5.4"	5.4"
Width	4.8"	4.9"	4.9"	4.5"	4.5"	5.0"	5.0"
Weight	22.0 oz	26.6 oz	26.6 oz	26.7 oz	26.7 oz	23.0 oz	23.0 oz

Behold the Intrepid ED

"The Atlas Optics Intrepid ED is the best! From birding to boating to astronomy, these top-notch images are clear and bright!"

★★★★★

– Bill, SC



Bushnell Binoculars

Bushnell limited lifetime warranty.

Elite ED

With over 60 years of optical expertise at their disposal, the Bushnell engineers pack a significant performance upgrade into the Elite ED binocular. Already boasting a light transmission of 99.7 percent, the addition of ED glass delivers amazing color resolution and contrast to enhance the wonderfully bright views. Rainguard® provides the benefit of water-repellent protection to make sure wet weather won't interfere with your view.

Elite ED Features: Extra-low Dispersion (ED) glass, fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, magnesium body, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), Rainguard® exterior lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Elite Custom Compact

Bushnell's best compact will amaze you as soon as you see the brilliant, crisp images the Elite 7x26 delivers. Take the Custom Compact to the theater or on vacation. The more you use it, the more you'll appreciate its excellent performance.

Elite Custom Compact Features: Fully multi-coated, BaK-4 prisms, rubber armor, twist-up eyecups, center focus, right eye diopter, Rainguard® exterior lens coating. **Included:** Eyepiece caps, neck strap, case.

Legend Ultra HD

Redesigned for the ultimate viewing experience, the Legend Ultra HD binocular incorporates ED Prime glass for amazing color resolution and contrast. You will appreciate the minimized color fringing, distinct details in low light conditions, and lightweight magnesium framework. Rainguard water-repellent coating, soft-touch grips, and a locking diopter only further the enjoyment of this binocular.

Legend Ultra HD Features: Extra-low dispersion (ED) glass, fully multi-coated (Ultra Wide Band coatings), phase corrected, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Binocular harness strap, neck strap, case.

Excursion EX

An open hinge design and gel-filled thumb grips make the Excursion EX extra comfortable to hold. With an exceptionally wide field of view, the EX is a top choice for observing fast-moving action. Fully multi-coated and phase-corrected optics deliver sharp, bright views, no matter the time of day. Waterproof, fogproof construction protects the Excursion EX in all types of weather.

Excursion EX Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, locking center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Bushnell®

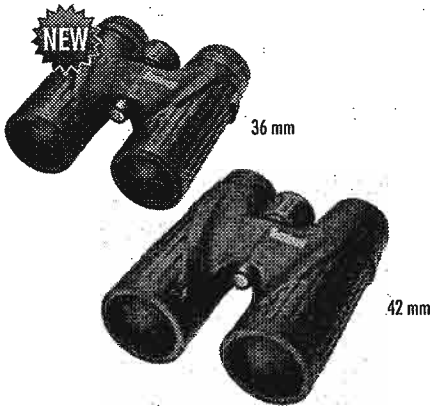
RAINGUARD® Lens Coating

Repels water and residue on outer glass surfaces.

Elite ED
42 mm

Elite Custom
Compact 26 mm

Excursion EX
36 mm
42 mm



Legend Ultra HD
NEW
36 mm
42 mm

26mm

	Elite ED		Elite Compact	Excursion EX				Legend Ultra HD					
	8x42	10x42	7x26	8x36	10x36	8x42	10x42	8x26	10x26	8x36	10x36	8x42	10x42
Eye Relief	19.5 mm	15.5 mm	16 mm	17.8 mm	15.6 mm	17.2 mm	15.5 mm	14.0 mm	15.0 mm	15.4 mm	15.4 mm	17.2 mm	15.2 mm
Close Focus	8.0'	8.0'	7.0'	5.5'	5.5'	6.5'	6.5'	10.0'	10.0'	6.2'	6.2'	6.5'	6.5'
Field of View (1000 Yards)	330'	314'	363'	426'	321'	414'	330'	290'	262'	426'	341'	420'	340'
Height	TBD	TBD	3.5"	4.8"	4.8"	5.8"	5.8"	TBD	TBD	4.9"	4.9"	5.8"	5.5"
Width	TBD	TBD	4.5"	4.5"	4.5"	4.8"	4.8"	TBD	TBD	4.8"	4.8"	5.0"	5.0"
Weight	25.7 oz	26.1 oz	12.0 oz	21.5 oz	21.5 oz	22.1 oz	22.2 oz	14.0 oz	15.0 oz	20.6 oz	20.6 oz	22.4 oz	22.5 oz

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Image Stabilized Binoculars

Hand tremors or rolling waves won't deter you from using binoculars when you choose image-stabilized binoculars from Canon. Boaters needing to scan long distances prefer the image stabilized binoculars featuring high magnification and large objective lenses.

Birders enjoy the manageable size and bright views of the 10x30 and 12x36. Whenever you are on the move, image-stabilizing binoculars will be your answer for bright, crisp views.

Canon

12 x 36 IS II

10 x 42 L IS

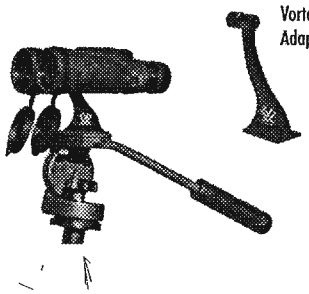
Canon Image Stabliized Binoculars

	10x30	12x36	10x42	15x50	18x50
Eye Relief	14.5 mm	14.5 mm	16 mm	15 mm	15 mm
Close Focus	13.8'	19.7'	8.2'	19.7'	19.7'
Field of View (1000 Yards)	314'	262'	340'	236'	194'
Height	5.9"	6.9"	6.9"	7.6"	7.6"
Width	5.0"	5.0"	5.4"	6.0"	6.0"
Weight	22.2 oz	23.3 oz	36.8 oz	41.7 oz	41.7 oz

See Fujinon's Techno-Stabi on page 10.

Vortex Tripod Adapter

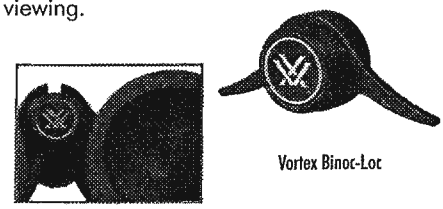
Use this tripod adapter to mount your binocular to any tripod or car window mount. Enjoy steady, hands-free viewing.



Vortex Tripod Adapter

Vortex Binoc-Loc

The Binoc-Loc keeps barrels perfectly positioned to your eyes for convenient viewing.



Vortex Binoc-Loc

Enjoy Crystal-Clear Views!

Clean lenses are critical for the best viewing—keep yours crystal clear!

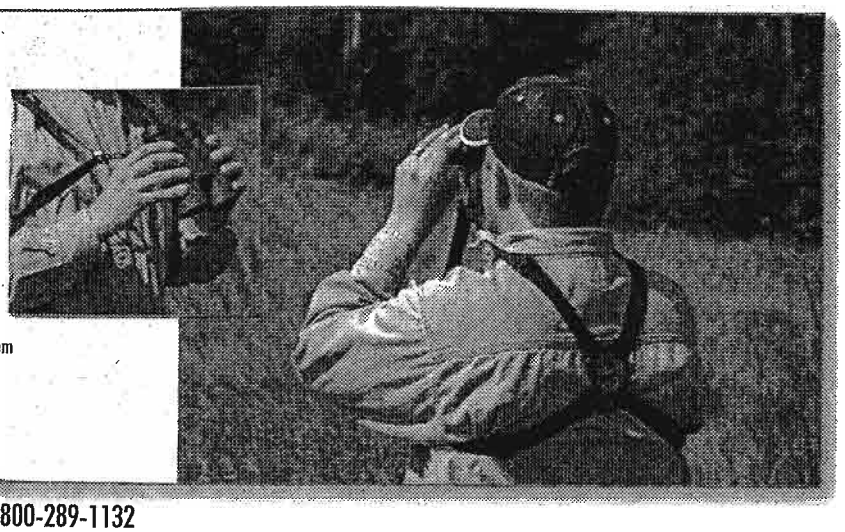
Vortex Fog-Free Lens System

Check out your lens cleaning options at www.eagleoptics.com

Eagle Optics Bino System Harness Strap

Lighten your load with the Bino-System harness strap. Slip the comfortable, adjustable strap over your shoulders and go! Slide binoculars and cameras up and out as needed.

Eagle Optics Bino System Harness Strap

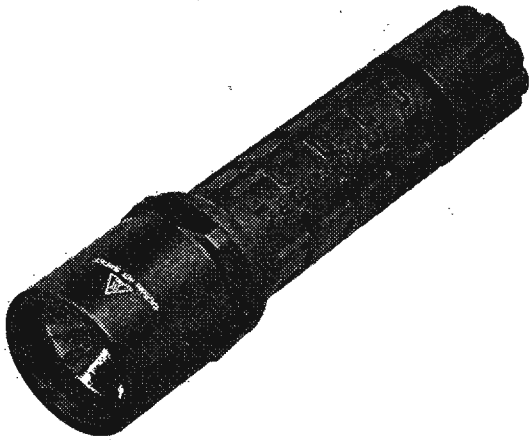


Flashlights!

We were wowed by the excellent performance of the Surefire Flashlights and promise you will be too!

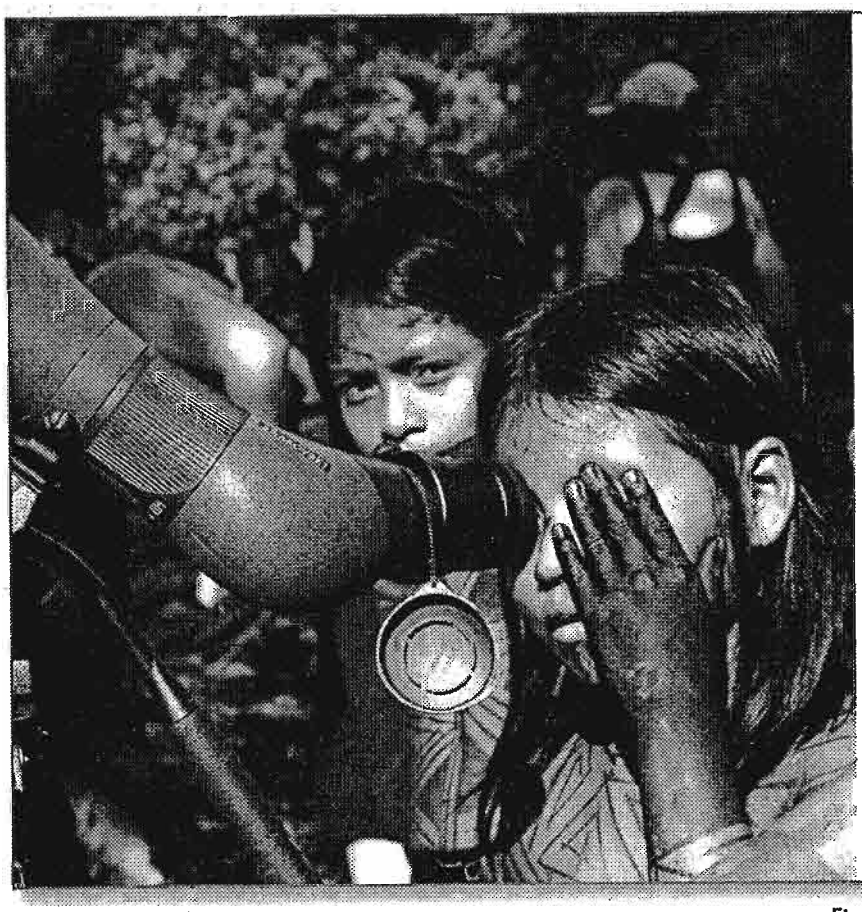
With high-performance technology and the ultimate in superior construction, you'll find Surefire to be the top choice for using at home, on the road, or in the field.

SUREFIRE



Surefire Flashlights—just a few of the many available at www.eagleoptics.com.

	Backup	Lumamax	Saint Minimus Headlamp	Titan	E2LAA Outdoorsman	G2	G2L	G2X Tactical	6PX Pro	6PX Tactical
Bulb Type	Incandescent	LED	LED	LED	LED	Incandescent	LED	LED	LED	LED
Dual Output Maximum (Low)	100 (5) Lumens	200 (15) Lumens	100 (1) Lumens	70 (1) Lumens	80 (3) Lumens	120 (65) Lumens	120 Lumens	200 Lumens	200 (15) Lumens	200 Lumens
Runtime Maximum (Low)	1.3 (37) Hours	2 (30) Hours	1.5 (50) Hours	1 (60) Hours	9 (60) Hours	.3 (1) Hours	2 Hours	2 Hours	2 (45) Hours	2 Hours
Bezel Diameter	1.25"	1.0"	—	.8"	1.0"	1.25"	1.25"	1.25"	1.25"	1.25"
Length	4.0"	5.4"	—	3.25"	6.6"	5.1"	5.2"	4.4"	5.2"	5.2"
Weight	2.8 oz	4.2 oz	3.3 oz	2.0 oz	4.9 oz	4.1 oz	4.4 oz	5.2 oz	5.2 oz	5.2 oz
Weatherproofing	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof	Waterproof



Optics for the Tropics

Using slingshots to shoot birds is a sport for Nicaraguan children. When they traded their slingshots for binoculars, Optics for the Tropics used a hands-on program to teach the kids about birds. This is one of many ways Optics for the Tropics works to change attitudes toward wildlife as it educates Caribbean and Latin American residents on how to safeguard bird populations and their habitats.

Eagle Optics is delighted to partner with Optics for the Tropics and support its vital mission by providing sport optics to researchers, guides, and children. Link to us from www.opticsforthetropics.org, and we will donate five percent of sales generated to help Optics for the Tropics continue its important efforts.

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Eagle Optics Binoculars

Eagle Optics warranty varies with model.

Ranger ED

The Eagle Optics Ranger ED binocular presents a feast for your eyes with rich, true colors and enhanced resolution that brings the elaborate beauty of nature into a well-defined image. A comfortable and ergonomic open-hinge design with thumb indentations, a smooth central focus, and an easily adjustable right eye diopter only add to your enjoyment of using this binocular.

Ranger ED Features: Extra-low Dispersion (ED) glass, dielectric prism coatings, fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), SeeClear™ lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case. Eagle Optics Platinum Protection lifetime warranty.

Ranger

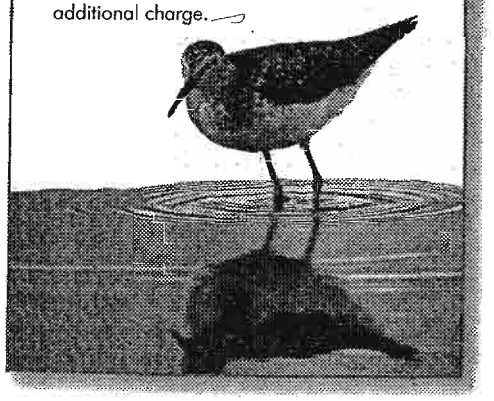
Well known for its high performance, the Ranger now includes dielectric prism coatings for optimal light transmission and excellent color fidelity. Ranger owners especially favor the superior edge-to-edge sharpness, light weight, durable body, close focus, and affordable price. See for yourself why our customers love taking the Ranger on a hike down the road or a trip around the world.

Ranger Features: Dielectric prism coatings, fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Eagle Optics Platinum Protection lifetime warranty.

Optics For A Lifetime!

Reasonable Repair Cost—We Promise!

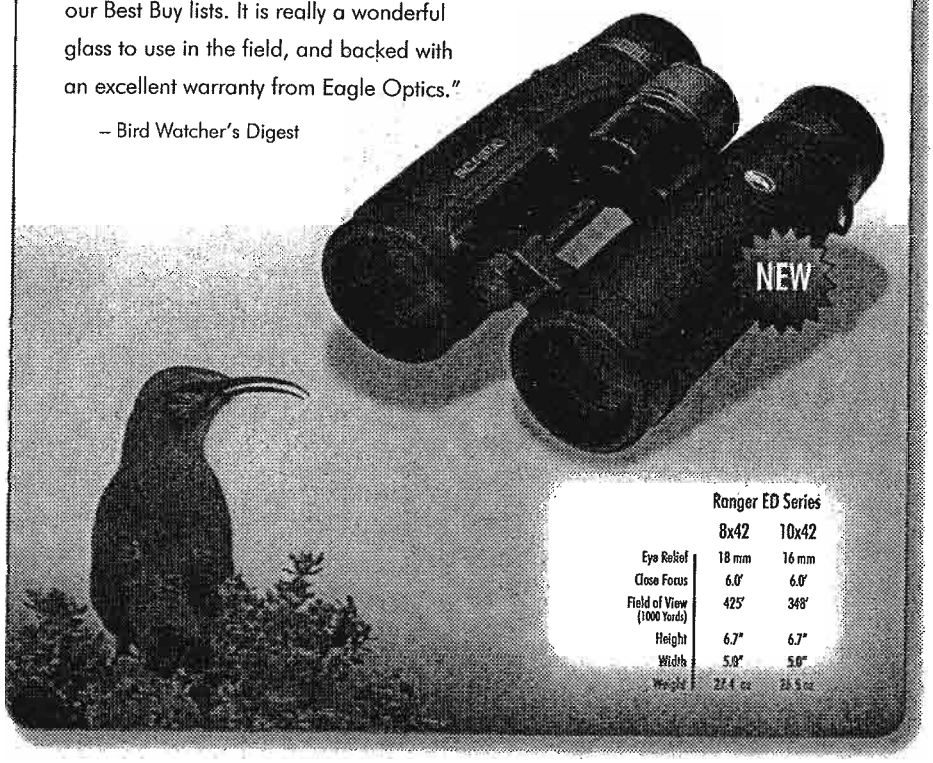
The Eagle Optics Platinum Protection warranty covers the Ranger ED, Ranger, Shrike, Denali, and Kingbird binoculars—forever. If you ever need service, return the binocular to Eagle Optics for repair or replacement at no additional charge.



RANGER® ED BINOCULARS

"The Ranger made both our Favorites and our Best Buy lists. It is really a wonderful glass to use in the field, and backed with an excellent warranty from Eagle Optics."

– Bird Watcher's Digest



	Ranger ED Series 8x42	Ranger ED Series 10x42
Eye Relief	18 mm	16 mm
Close Focus	6.0'	6.0'
Field of View (1000 Yards)	425'	348'
Height	6.7"	6.7"
Width	5.0"	5.0"
Weight	27.4 oz	26.5 oz

Shrike

Just because the Eagle Optics Shrike sells for a budget-friendly price doesn't mean you'll suffer with dark, fuzzy images. As a matter of fact, the Shrike's image quality, strong build, and ample field of view will surprise you! Waterproof and fogproof protection means you don't have to pamper this binocular. Best of all, the Shrike comes with the Eagle Optics Platinum Protection unlimited, unconditional lifetime warranty.

Shrike Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Eagle Optics Platinum Protection lifetime warranty.

Denali

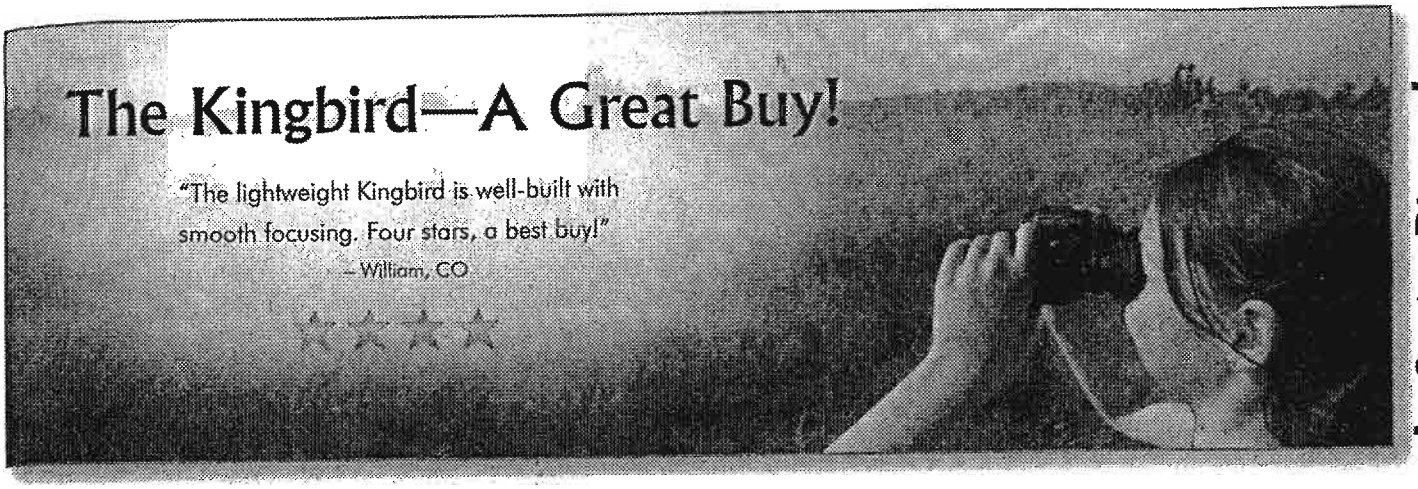
The Denali's solid chassis is built to keep pace with the avid outdoor explorer. Weighing only 21.9 ounces, the Denali is easy to carry and comfortable to use when scanning for long periods. Don't worry about rain or temperature—the Denali is protected with waterproofing and fogproofing.

Denali Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Kingbird

Beginner or experienced, young or old, and everyone in between will appreciate the performance of the new Eagle Optics Kingbird binocular. The highly regarded porro prism style of the Kingbird delivers an exceptionally wide field of view with sharp, rich three-dimensional views. Featuring twist-up eyecups and waterproof, fogproof construction, the Kingbird continues a classic tradition in a modern fashion.

KingbirdFeatures: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, carry case. Eagle Optics Platinum Protection lifetime warranty.



Triumph

Surprisingly bright and sharp, pleasantly lightweight, and economical describes the Eagle Optics full size Triumph. A great bang for your buck, the Triumph delivers an outstanding field of view. Multi-coated optics allow increased light transmission for illuminating views. Packed in a carrying case with lens caps and a neck strap, the Triumph arrives ready to head outdoors with you.

The slim barrels and double-hinged design of the 25 mm roof prism is perfect for slipping in a pocket when you venture outside, or keeping handy to check out the bird feeders.

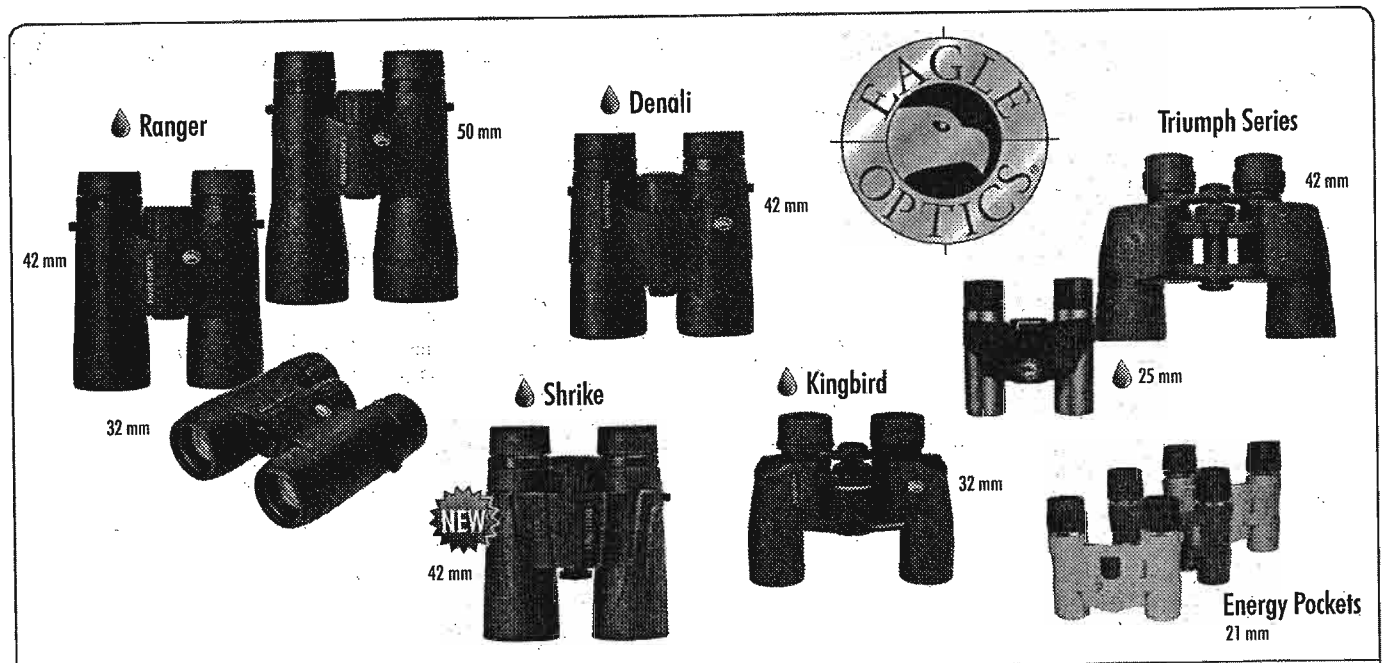
Triumph Full-Sized Features: Multi-coated, BaK-4 prisms, eyecups roll, center focus, right eye diopter. **Included:** Eyepiece and objective lens caps, neck strap, case. Eagle Optics limited lifetime warranty and Eagle Advantage repair certificate.

Triumph Compact Features: Fully multi-coated, BaK-4 prisms, eyecups twist, center focus, right eye diopter, waterproof. **Included:** Neck strap, case. Eagle Optics limited lifetime warranty and Eagle Advantage repair certificate.

Energy

Pick up this little roof prism binocular for use on a daytime hike, at the football game, or in the theater. The Energy has multi-coated lenses for bright views and a double-hinged design that folds into an easily portable size. With five great colors to choose from and an affordable price, you will want to order several Energy binoculars—one for yourself and more for friends.

Energy Features: Multi-coated, eyecups roll, center focus, right eye diopter. **Color Choices:** Star (silver), Moon (blue), Sun (yellow). **Included:** Rainguard, neck strap, case. Eagle Optics limited lifetime warranty.



	Ranger Series				Denali		Shrike		Kingbird		Triumph Series			Energy
											Roof Prisms		Porro Prisms	
	8x32	8x42	10x42	10x50	8x42	10x42	8x42	10x42	6.5x32	8.5x32	8x25	10x25	8x42	8x21
Eye Relief	16 mm	19.5 mm	16 mm	19.5 mm	18 mm	14.5 mm	17.6 mm	13.6 mm	20 mm	14 mm	15 mm	10 mm	14 mm	8 mm
Close Focus	3.0'	5.2'	5.2'	8.0'	7.0'	7.0'	13.1'	13.1'	15.0'	15.0'	6.6'	6.6'	13.0'	16.0'
Field of View (1000 Yards)	393'	341'	314'	262'	408'	318'	341'	304'	410'	390'	348'	341'	430'	383'
Height	4.9"	5.8"	5.8"	6.7"	5.4"	5.4"	5.9"	5.9"	4.5"	4.5"	4.5"	4.5"	5.75"	3.75"
Width	4.8"	5.1"	5.1"	5.2"	5.0"	5.0"	4.9"	4.9"	5.7"	5.7"	4.3"	4.3"	7.1"	2.3"
Weight	19.2 oz	21.8 oz	21.6 oz	26.2 oz	21.9 oz	21.9 oz	23.2 oz	22.4 oz	17.3 oz	17.3 oz	9.1 oz	9.1 oz	22.8 oz	6.0 oz

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Fujinon Binoculars

Fujinon warranty varies with binocular model.

Polaris

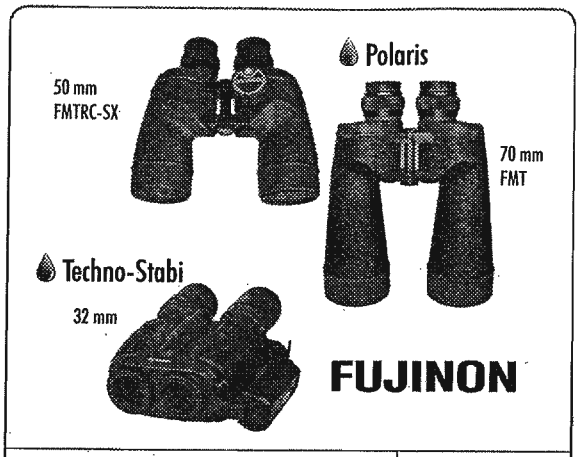
When you want the best binocular for marine or astronomy use, nothing surpasses the Fujinon Polaris FMT-SX binoculars. Fujinon applies special anti-reflection coatings to achieve the outstanding light transmission important for sharp details when viewing at a distance. Protected with waterproofing, fogproofing, and rubber armoring, these binoculars are highly valued by boaters and astronomers.

Polaris Features: Fully multi-coated, BaK-4 prisms, aluminum body, eyecups roll, rubber armor (select models), individual focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, (case for 10x50 FMT-SX). Fujinon limited lifetime warranty.

Techno-Stabi

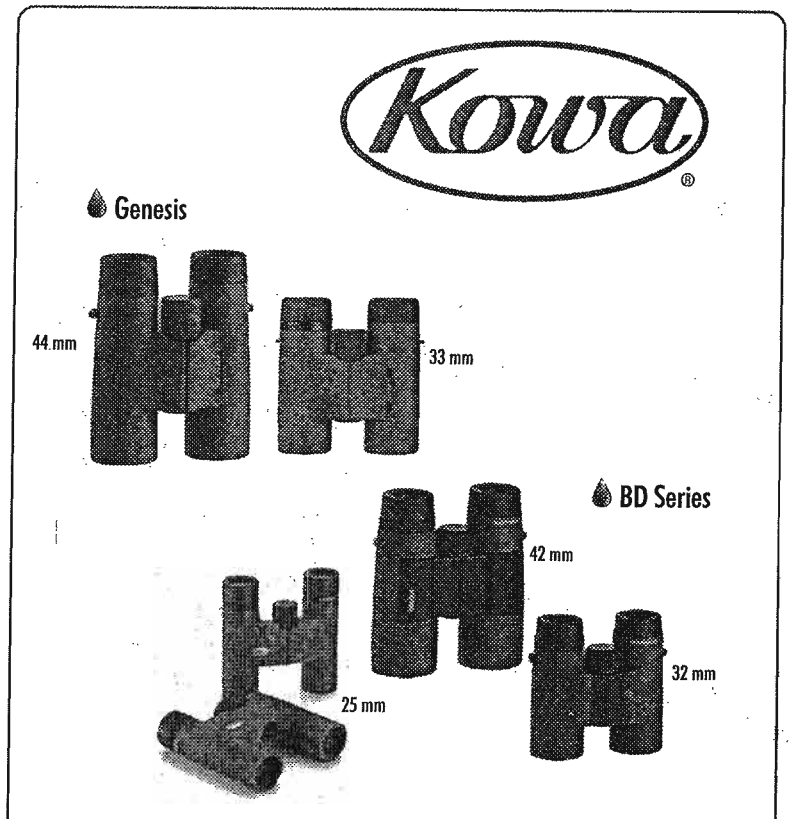
The image stabilization technology built into the Fujinon Techno-Stabi binocular delivers views free of the distortion caused by uncontrolled movement. Fujinon applies special anti-reflection coatings to achieve outstanding light transmission important for sharp details when viewing at a distance. Perfect for use around the water, the Fujinon Techno-Stabi is protected with waterproofing and fogproofing.

Techno-Stabi Features: Fully multi-coated, waterproof, fogproof (nitrogen gas). **Included:** Two AA batteries, rainguard, neck strap, case (hard case for 14x40). Fujinon 1-year warranty.



	Polaris			Techno-Stabi	
	7x50	10x70	16x70	12x32	14x40
Eye Relief	23 mm	23 mm	12.4 mm	15 mm	13 mm
Close Focus	20.0'	27.0'	36.0'	16.5'	16.5'
Field of View (1000 Yards)	393'	279'	210'	263'	277'
Height	7.9"	11.25"	10.6"	7.0"	7.8"
Width	8.6"	9.75"	9.75"	5.6"	6.5"
Weight	(Listed Below)	76.2 oz	76.2 oz	37.8 oz	53.2 oz

7x50 Polaris Weights:
7x50 FMT-SX 50.1 ounces
7x50 FMTR-SX 53.6 ounces (Armored)
7x50 FMTRC-SX 55.0 ounces (Armored / Compass)



	Genesis				BD Series					
	8x33	10x33	8.5x44	10.5x44	8x25	10x25	8x32	10x32	8x42	10x42
Eye Relief	15 mm	15 mm	18.3 mm	16 mm	15 mm	17 mm	15 mm	15 mm	18.3 mm	17.6 mm
Close Focus	5.0'	5.0'	5.6'	5.6'	6.0'	6.0'	4.9'	4.9'	6.6'	6.6'
Field of View (1000 Yards)	420'	357'	366'	324'	331'	263'	394'	315'	331'	315'
Height	5.6"	5.6"	6.5"	6.5"	4.4"	4.4"	4.9"	5.0"	5.8"	5.8"
Width	4.9"	4.9"	5.4"	5.4"	4.2"	4.2"	4.8"	4.8"	5.0"	5.0"
Weight	20.8 oz	20.8 oz	33.5 oz	34.0 oz	11.5 oz	11.5 oz	19.8 oz	19.9 oz	25.7 oz	26.3 oz

Kowa Binoculars

Kowa limited lifetime warranty.

Genesis

Kowa's top-performing Genesis binocular rewards you with fine details. By incorporating Prominar XD glass, your view through the Genesis benefits from enhanced resolution and reduced chromatic aberration. Fully multi-coated lenses and prisms provide excellent transmission of the light gathered through the objective lenses. The magnesium body of the Kowa Genesis is built tough for all weather conditions with waterproofing and fogproofing.

Genesis Features: Prominar XD glass, fully multi-coated, BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, binocular harness strap, case.

BD

You can count on the waterproof and fogproof Kowa BD binoculars to perform well, regardless of the weather conditions. The Kowa BD compact is small in size, but not in performance. Select the Kowa BD mid-size binocular for great performance without extra bulk. Fully multi-coated optics and phase correction work together to deliver bright, sharp images with great color resolution.

BD Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, neck strap, case.

Leica Binoculars

Leica limited lifetime warranty plus Leica's 3-year Passport Protection Plan.

Ultravid HD

Over 100 years of craftsmanship culminates in the impressive performance of the Leica Ultravid HD binocular. State-of-the-art design incorporates fluoride glass with anti-reflective coatings to enhance color resolution and increase light transmission. The optimized Leica focus knob functions smoothly regardless of temperature extremes. The AquaDura™ lens coating forces rain to roll off the lens surfaces, makes it easier to remove dirt and smudges, and provides better protection against scratching.

Ultravid HD Features: High-definition (HD) glass, fully multi-coated, phase corrected, dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas), AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

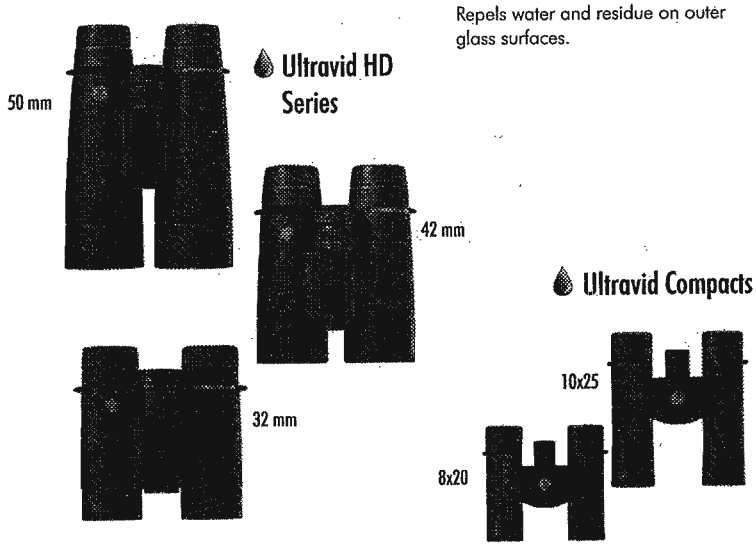
Ultravid Compacts

Leica's optical glass works behind the scene by reducing stray light and increasing light transmission and contrast. You'll applaud Leica's innovative HighLux-System (HLS) for such distinctive binocular quality... free of distracting color fringing. See for yourself what so many of our customers have already discovered—the elite performance of the Leica Ultravid, packaged in a compact size.

Ultravid Features: Fully multi-coated, phase corrected, dielectric prism coatings (Highlux-System HLS coatings), aluminum body, rubber armor or leather trim, eyecups twist, center focus, locking right eye diopter, fogproof, AquaDura lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Leica

AquaDura® Lens Coating
Repels water and residue on outer glass surfaces.



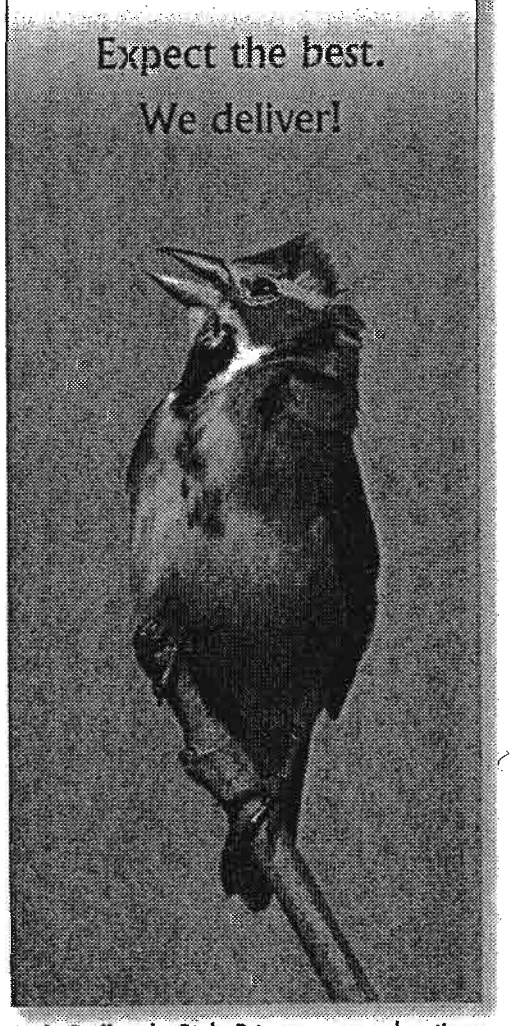
	Ultravid HD								Ultravid	
	8x32	10x32	7x42	8x42	10x42	8x50	10x50	12x50	8x20	10x25
Eye Relief	13.3 mm	13.2 mm	17 mm	15.5 mm	16 mm	17 mm	17 mm	13 mm	16 mm	15 mm
Close Focus	6.9'	6.6'	10.8'	9.8'	9.5'	11.5'	10.8'	10.5'	7.2'	10.5'
Field of View (1000 Yards)	404'	352'	420'	389'	336'	352'	352'	299'	341'	273'
Height	4.6"	4.8"	5.6"	5.6"	5.8"	7.1"	7.0"	7.1"	3.6"	4.4"
Width	4.6"	4.6"	4.8"	4.8"	4.8"	4.8"	4.9"	4.8"	4.4"	4.4"
Weight	18.9 oz	19.9 oz	27.2 oz	27.9 oz	26.5 oz	35.3 oz	35.3 oz	36.7 oz	8.5 oz	9.4 oz

Our Customers Are Talking

"I would rate your customer service **A+** and will be referring everyone I know to your store."
– Jacob, KS

"This is the third pair of binoculars I have bought from Eagle Optics... I would not think of looking elsewhere."
– Bob, AZ

"Everyone I have talked to at your company has been courteous and professional, plus, your prices are very competitive!"
– John, CA



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Leupold Binoculars

Leupold warranty varies with binocular model.

Acadia

The Acadia binocular is a well-balanced roof prism binocular that will offer comfortable handling over prolonged periods of viewing. You will be surprised at this fully multi-coated binocular's bright views and budget-friendly price. Waterproof, fogproof, and protected by rubber armoring, the Acadia is meant for tough use.

Acadia Features: Fully multi-coated lenses, phase correction, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Katmai

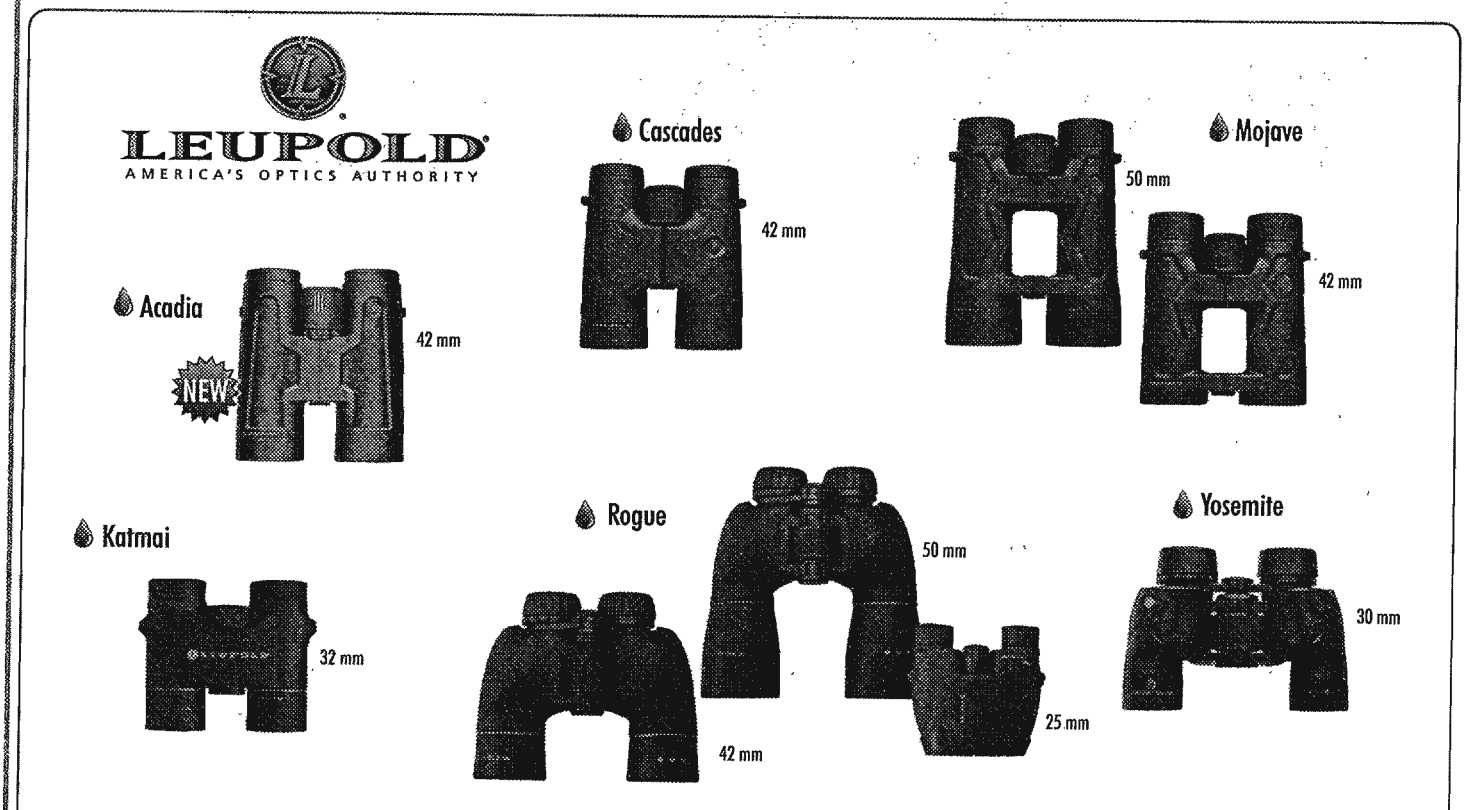
Once a customer has the Leupold Katmai in their hands, they recommend it to friends and come back for more. Optic users who demand portability without sacrificing quality appreciate the compact size, light weight, and bright views of the Katmai. Leupold incorporates L-coated prisms with 64 layers of anti-reflective coatings for extra light transmission you will notice.

Katmai Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

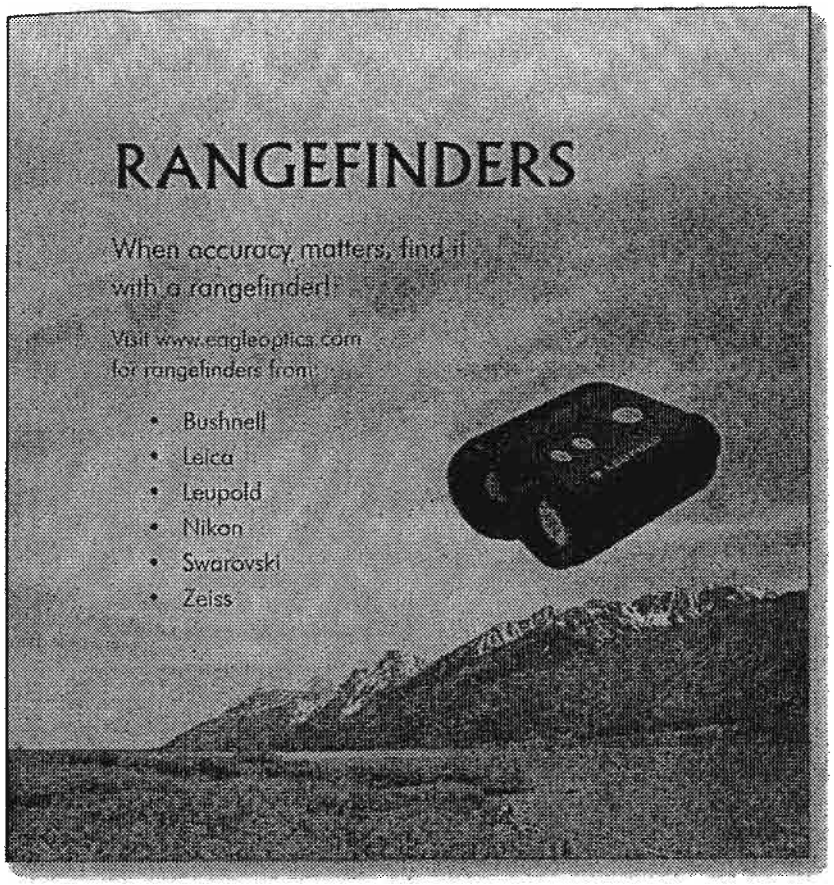
Mojave

Delighting users with bright, crisp views, the Leupold Mojave delivers by capturing the fine details you crave. The open-hinged body and well-balanced weight of the Mojave feels great in your hands. Leupold incorporates a fully multi-coated lens system and mirror-coated prisms which take the Mojave's optical performance to a new level. With waterproofing, fogproofing, and rubber armoring, the Mojave is ready for whatever you demand.

Mojave Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.



	Acadia BX-2		Mojave BX-3			Katmai			Cascades BX-2			Rogue				Yosemite BX-1	
	8x42	10x42	10x42	10x50	12x50	6x32	8x32	10x32	7x42	8x42	10x42	8x25	10x25	8x42	10x50	6x30	8x30
Eye Relief	15.5 mm	15.5 mm	16 mm	17 mm	17 mm	19.2 mm	15.9 mm	10.2 mm	18 mm	18 mm	16 mm	15 mm	15 mm	16.5 mm	15 mm	18.5 mm	15.5 mm
Close Focus	7.5'	9.0'	7.5'	15.0'	9.9'	4.9'	4.9'	4.9'	9.9'	9.9'	9.9'	14.1'	14.1'	24.0'	30.0'	10.0'	11.0'
Field of View (1000 Yards)	394'	368'	326'	263'	220'	425'	335'	272'	389'	341'	267'	337'	294'	341'	288'	420'	389'
Height	6.0"	6.2"	5.6"	6.6"	6.6"	4.1"	4.1"	4.1"	5.5"	5.5"	5.5"	4.3"	4.3"	5.5"	7.0"	4.6"	4.5"
Width	TBD	TBD	4.8"	5.2"	5.2"	4.75"	4.75"	4.75"	5.2"	5.2"	5.2"	4.8"	4.8"	7.0"	7.5"	6.3"	6.3"
Weight	23.1 oz	23.5 oz	24.0 oz	28.2 oz	28.2 oz	18.2 oz	18.9 oz	18.2 oz	22.9 oz	22.9 oz	23.1 oz	12.7 oz	12.7 oz	23.5 oz	33.0 oz	17.0 oz	17.0 oz



Leupold Binoculars continued...

Cascades

Grab the lightweight Cascades for day-long exploration and delight in the views. Multi-coatings and phase correction ensure brightness. Waterproofing and fogproofing protect the internal optics.

Cascades Features: Multi-coated, rubber armor, twist eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Leupold limited lifetime warranty.

Yosemite

Order one for yourself and a young explorer, and experience why the Leupold Yosemite creates excitement in the sport optics market. Describing the Yosemite optics as bright doesn't sufficiently depict the excellent light transmission of this economical porro prism binocular. A wide field of view only enhances the enjoyment of using the Yosemite. The small interpupillary distance accommodates a wide range of users. A choice of colors will help you outfit the whole family.

Mojave Features: Multi-coated, rubber armor, eyecups twist, center focus, right eye diopter, waterproof. **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

Rogue

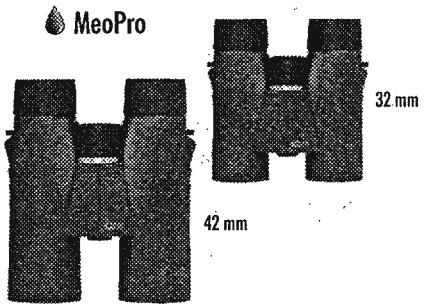
A porro prism binocular is a classic favorite for its performance and value, and the Leupold Rogue delivers both. Expect bright views from the Rogue's fully multi-coated lenses. The locking focus conveniently holds the focus on one area during lengthy periods of viewing. The reverse porro prism design of the compact Leupold Rogue delivers convenience in a palm-sized body.

Rogue (Full Size) Features: Fully multi-coated, rubber armor, center focus, multi-position eyecups, right eye diopter, waterproof. **Included:** Rainguard, objective lens caps, neck strap, case. Leupold limited lifetime warranty.

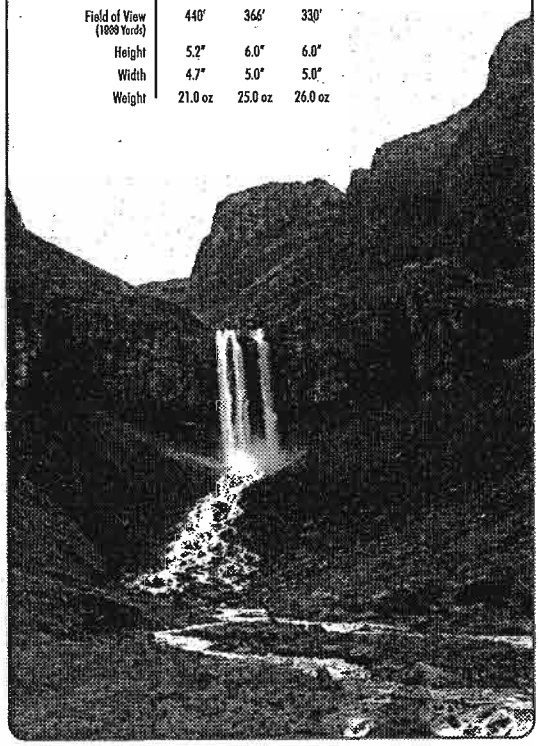
Meopta MeoPro

For premium performance at the right price, the MeoPro is the way to go. With proprietary ion-assisted lens coatings, this binocular delivers an industry-leading light transmission of 99.8 percent. You'll also enjoy the precise focusing mechanism, generous eye relief, multi-position twist eyecups, 5-foot close focus, and wide field of view

MeoPro Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, aluminum body, multi-position eyecups, center focus, right eye diopter on center focus wheel, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens caps, neck strap, case. Meopta lifetime transferable warranty.



	MeoPro		
	6.5x32	8x42	10x42
Eye Relief	19 mm	18 mm	18 mm
Close Focus	3.0'	5.0'	5.0'
Field of View (1000 Yards)	440'	366'	330'
Height	5.2"	6.0"	6.0"
Width	4.7"	5.0"	5.0"
Weight	21.0 oz	25.0 oz	26.0 oz



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Minox Binoculars

Minox 30-year limited warranty.

APO HG

Who knew a high-performance, top-quality binocular could weigh in at a comfortable 23.3 ounces? Made in Germany, the Minox APO-HG blends the quality of old-world craftsmanship with the newest technology available. Minox worked with glass engineers to perfect the glass composition for the Schott fluoride ED glass lenses. The apochromatically-corrected binoculars deliver a brilliant image free from color fringing. A single turn of the focus knob brings you from close-up to infinity, and a scale on the focus wheel measures the distance to the subject in your view.

APO HD Features: Extra-low dispersion (ED) glass, fully multi-coated (M* coatings), phase corrected, BaK-4 prisms, magnesium body, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), Minotec external lens coating. **Included:** Rainguard, neck strap, case, wooden storage box.

HG BR Binoculars

Aiming for performance at the highest level, the engineers at Minox created the high-grade HG binocular. With the advanced technology of a newly designed optical system and 21 layers of lens coatings, the HG offers you impressive light transmission. Aspherical lenses enhance the contrast and sharpness of the image from edge to edge. A single turn of the focus knob brings you from close-up to infinity. A scale on the focus wheel measures the distance to the subject in your view.

HG BR Binocular Features: Fully multi-coated (M* coatings), phase corrected (Minobright® coatings), BaK-4 prisms, magnesium body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), Minotec external lens coating. **Included:** Neck strap, case.

BL BR Comfort Bridge

Minox aims to please with a 16 percent increase in field of view and a powerful light-gathering optical system that includes multi-coated lens elements for views in natural color. The rubber-armored, polycarbonate body and open-hinge design guarantees a comfortable, light feel in the hand. The 56mm objective lenses are excellent for astronomy and scanning long distances. A lightweight, polycarbonate body with ridged rubber armoring makes the BL BR easy to carry and comfortable to hold.

BL BR Features: Fully multi-coated, phase corrected, BaK-4 prisms, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Minox 8x25 Minoscope

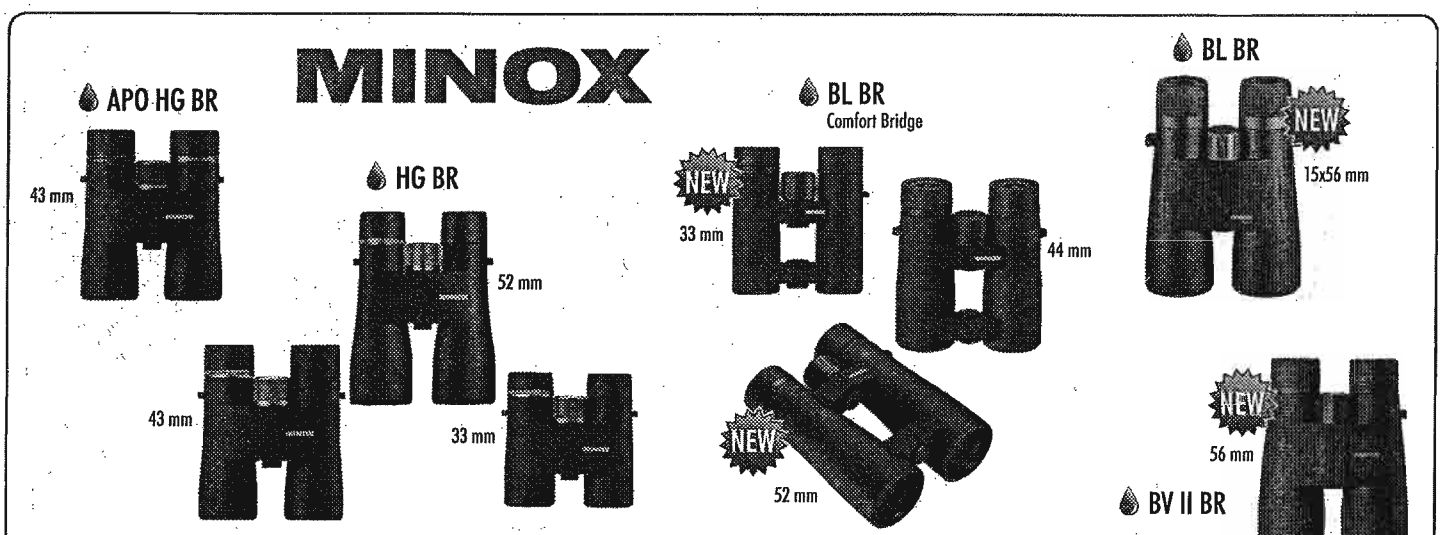
The Minoscope—an Eagle Optics Staff Pick!

See more monocular choices on page 26, or visit us at www.eagleoptics.com.

BV II BR

Just like time, technology moves ahead, and the Minox BV II BR binocular keeps pace by incoporating new multi-coating technologies to deliver high levels of color and contrast. The black rubber armoring covers a strong chassis constructed of tough aircraft aluminum. Waterproof and fogproof, the BV II BR delivers beyond your expectations.

BV BRW Features: Multi-coated (M* coatings), phase corrected, BaK-4 prisms, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case.



	APO HG		HG BR					BL BR Comfort Bridge					BL BR			BV II BR				
	8x43	10x43	8x33	8x43	10x43	8.5x52	10x52	8x33	8x44	10x44	8x52	10x52	8x56	13x56	15x56	8x25	10x25	8x42	10x42	8x56
Eye Relief	19.5 mm	16.5 mm	16.5 mm	19.5 mm	16.5 mm	19.4 mm	19.5 mm	17.5 mm	19.5 mm	17 mm	22 mm	18 mm	20.8 mm	15.2 mm	17.4 mm	15.5 mm	15.5 mm	18 mm	15 mm	23 mm
Close Focus	8.2'	8.2'	4.9'	8.2'	8.2'	11.5'	11.5'	8.0'	8.0'	8.0'	11.5'	11.5'	29.5'	23.0'	23.0'	4.9'	4.9'	3.9'	3.9'	8.2'
Field of View (1000 Yards)	394'	355'	443'	394'	355'	317'	317'	420'	410'	341'	341'	341'	326'	263'	215'	389'	289'	389'	341'	342'
Height	6.5"	6.5"	5.3"	6.0"	6.0"	6.9"	6.6"	5.0"	6.0"	6.0"	7.0"	7.0"	6.7"	6.7"	7.7"	4.3"	4.3"	5.5"	5.5"	7.3"
Width	5.2"	5.2"	5.2"	5.2"	5.2"	5.3"	5.3"	5.4"	5.0"	5.0"	5.8"	5.8"	5.7"	5.7"	5.7"	3.8"	3.8"	5.0"	5.0"	5.6"
Weight	23.3 oz	23.3 oz	21.3 oz	22.9 oz	23.3 oz	27.3 oz	27.3 oz	22.9 oz	26.0 oz	26.0 oz	33.5 oz	33.5 oz	36.9 oz	38.1 oz	38.0 oz	9.1 oz	9.1 oz	27.5 oz	27.5 oz	40.4 oz

Nikon Binoculars

Nikon 25-year limited warranty plus Nikon's No-Fault Repair/Replacement policy.

EDG

Designed to push your viewing to the edge of darkness, the EDG is Nikon's flagship binocular. Engineered with the highly-acclaimed Nikon extra-low dispersion glass and multiple layers of anti-reflective coatings on every glass surface, the EDG delivers superior sharpness, color resolution, and brightness. The strong magnesium alloy body, waterproofing, and fogproofing means the EDG is ready for rugged use.

EDG Features: Extra-low dispersion (ED) glass, fully multi-coated, phase corrected, Dielectric prism coatings, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, lens covers, neck strap, case.

Monarch X

The Monarch X joins the ranks of another Nikon binocular you will love! With Nikon's advanced dielectric, high-reflective, multilayer prism coating you won't head home until the last second of daylight. Solid construction is balanced across the ergonomic, open-hinged design. With the large central focus knob, you can quickly find subjects regardless of distance.

Monarch X Features: Fully multi-coated, phase corrected, dielectric prism coatings, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Monarch ATB

Nikon's most well-known binocular now has dielectric prism coatings on the 42 mm models! With choices of objective lenses sized from 36mm to 56mm and magnifications from 8x to 12x, the Monarch fits a large variety of uses. The classic, bright Nikon views come from fully multi-coated optics and prisms. Try it and you'll see why this is Nikon's best seller.

Monarch III Features: Fully multi-coated, phase corrected, BaK-4 prisms, dielectric coatings (42mm models), rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers (caps on 36 mm), neck strap, case.

	EDG					Monarch X		Monarch ATB							
	8x32	10x32	7x42	8x42	10x42	8.5x45	10.5x45	8x36	10x36	8x42	10x42	12x42	8.5x56	10x56	12x56
Eye Relief	18.5 mm	17.3 mm	22.1 mm	19.3 mm	18 mm	20.6 mm	16 mm	17 mm	15 mm	19.6 mm	15.5 mm	15.4 mm	19.2 mm	17.4 mm	16.3 mm
Close Focus	8.2'	8.2'	9.8'	9.8'	9.8'	9.8'	9.8'	8.2'	8.2'	8.2'	8.2'	8.2'	32.8'	32.8'	32.8'
Field of View (1000 Yards)	409'	341'	419'	403'	341'	330'	330'	367'	314'	330'	288'	262'	324'	315'	288'
Height	5.4"	5.4"	5.9"	5.8"	5.9"	6.1"	6.1"	4.9"	4.8"	5.7"	5.6"	5.7"	7.8"	7.8"	7.8"
Width	5.5"	5.5"	5.6"	5.6"	5.6"	5.5"	5.5"	5.1"	5.1"	5.0"	5.0"	5.0"	5.7"	5.7"	5.7"
Weight	23.1 oz	22.9 oz	27.7 oz	27.7 oz	27.9 oz	25.4 oz	25.7 oz	19.8 oz	19.9 oz	21.5 oz	21.5 oz	21.8 oz	40.2 oz	40.7 oz	41.6 oz

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Action Extreme ATB

An economically priced binocular that doesn't compromise performance, the Nikon Action Extreme is a popular choice among customers. Naturalists love this binocular for its exceptionally wide field of view. A proven classic porro prism design, the Action Extreme's construction includes waterproofing, fogproofing, and rubber armoring.

Action Extreme Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable. **Included:** Rainguard, objective lens caps, neck strap, case.

ProStaff ATB

Another great Nikon binocular, the reverse porro, 25mm ProStaff is a consistent choice for customers wanting the brightest view without paying the highest price. NEW for 2011, the 42mm ProStaff 7 is added to the lineup. Nikon packs the excellent optical quality of the compact ProStaff into a 42mm, roof prism binocular with extra-long eye relief.

ProStaff Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap case.

Trailblazer ATB

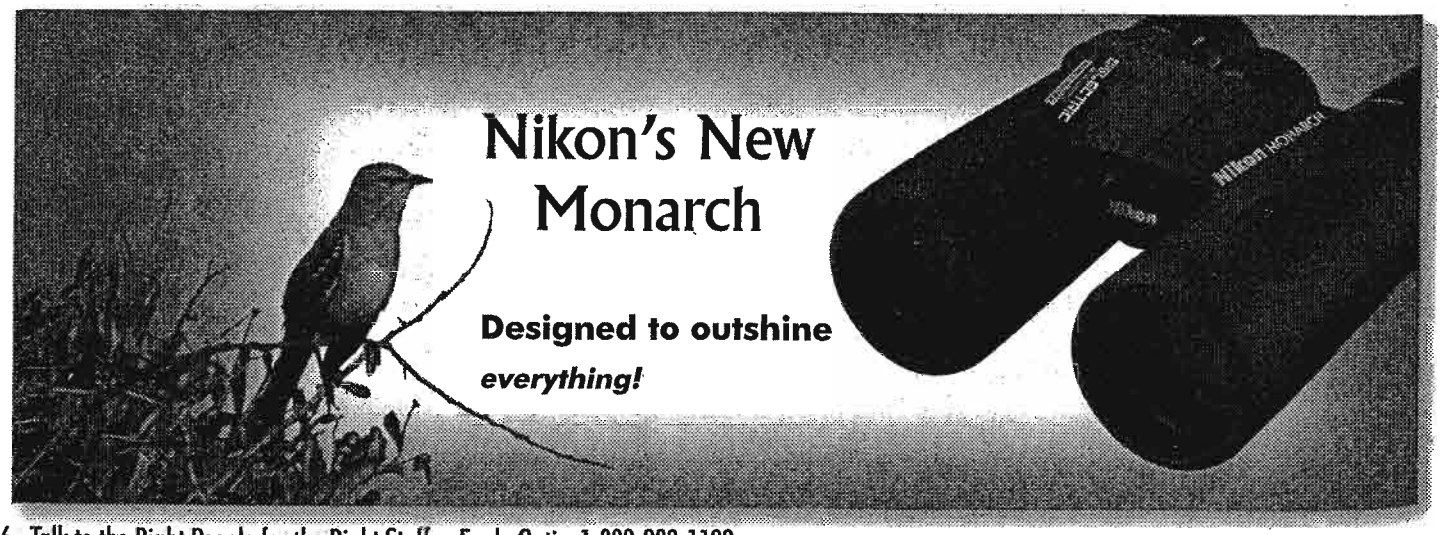
The Trailblazer binocular is sure to be a favorite for nature observation. A generous field of view helps you find and follow wildlife on the move. When it comes to getting a better look at butterflies and other insects, it's hard to beat the details you'll see from as close as eight feet. The waterproof and fogproof Trailblazer is a perfect choice to weather unexpected storms.

Trailblazer Features: Multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.

Nikon

Nikon's All Terrain binoculars (ATB) keep up with the most passionate explorer—no matter the weather conditions.

	Action Extreme ATB						ProStaff ATB			ProStaff 7 ATB		Trailblazer ATB				
	7x35	8x40	7x50	10x50	12x50	16x50	8x25	10x25	12x25	8x42	10x42	8x25	10x25	8x42	10x42	10x50
Eye Relief	17.3 mm	17.2 mm	17.1 mm	17.2 mm	16.1 mm	17.8 mm	15.5 mm	15.9 mm	15.9 mm	19.5 mm	15.5 mm	10 mm	10 mm	19.7 mm	15.4 mm	19.7 mm
Close Focus	16.4'	16.4'	23.0'	23.0'	23.0'	23.0'	9.2'	9.2'	9.2'	13.1'	13.1'	8.2'	11.5'	16.4'	16.4'	16.4'
Field of View (1000 Yards)	487'	439'	335'	341'	288'	183'	330'	262'	220'	330'	314'	429'	342'	367'	293'	293'
Height	4.7"	5.4"	7.0"	7.0"	7.0"	7.0"	3.9"	4.0"	4.1"	6.9"	6.8"	4.1"	4.1"	6.1"	5.9"	7.4"
Width	7.2"	7.4"	7.7"	7.7"	7.7"	7.7"	4.5"	4.5"	4.5"	5.1"	5.1"	4.5"	4.5"	5.2"	5.2"	5.5"
Weight	28.2 oz	30.1 oz	35.3 oz	36.0 oz	36.8 oz	36.7 oz	12.5 oz	12.9 oz	12.9 oz	TBD	TBD	9.9 oz	9.9 oz	23.6 oz	22.4 oz	29.1 oz



Visit www.eagleoptics.com

Just a click away—articles with tons of information on buying binoculars, birding, digiscoping, butterflying, and conservation.

Pentax Binoculars

Pentax Worry-Free lifetime warranty.

DCF ED

Pentax's best binocular tops the list for shoppers wanting superior brightness and edge-to-edge sharpness. The lightweight magnesium alloy body, 22 mm eye relief, and 6.6 foot close focus make this binocular a valuable tool in a variety of situations. You are sure to love the outstanding color resolution, tack-sharp images, and excellent light transmission.

DCF ED Features: Extra-low dispersion (ED) glass, fully multi-coated, phase corrected, BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

DCF SP

Don't doubt the performance of the mid-priced Pentax DCF SP. This binocular presents a remarkably bright and sharp view of the action from sunrise to sunset. Built on a strong magnesium frame, the waterproof and fogproof DCF SP is a definite customer favorite.

DCF SP Features: Fully multi-coated, phase corrected, BaK-4 prisms, magnesium alloy body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

DCF BR/ DCF BC

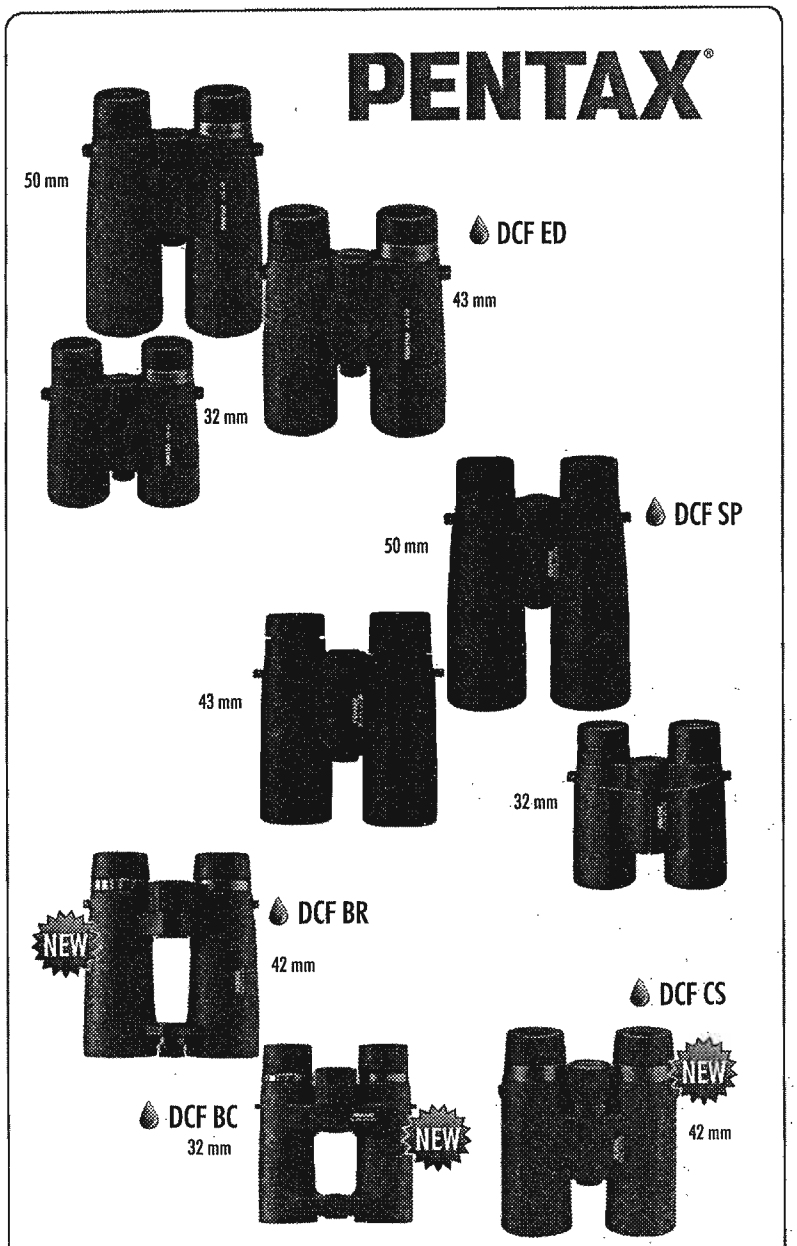
Looking for the uncommon 9x magnification in a moderate price range? These lightweight, open-hinge binoculars from Pentax make a good choice for nature observation, sports, hunting, or hiking. Fully multi-coated lenses guarantee bright images while silver-coated roof prisms and phase correction increase image resolution and contrast.

DCF BR / DCF BC Features: Fully multi-coated, phase corrected, silver-coated prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers (42mm DCF BR), neck strap, case.

DCF CS

Meant to be used on a daily basis, the performance of the Pentax DCF CS binocular is anything but regular. Fully multi-coated lenses provide maximum light transmission while silver-coated prisms reflect extra light for brighter images. You will appreciate the convenience of the click-stop eyecups with four settings.

DCF CS Features: Fully multi-coated, phase corrected, silver-coated prisms, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas), tripod adaptable. **Included:** Eyepiece caps, objective lens caps, neck strap, case.



	DCF ED				DCF SP				DCF BC / DCF BR		DCF CS	
	8x32	8x43	10x43	10x50	8x32	8x43	10x43	10x50	9x32	9x42	8x42	10x42
Eye Relief	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	17 mm	22 mm	16 mm	18 mm	21 mm	18 mm
Close Focus	4.9'	6.6'	6.5'	11.5'	4.9'	6.6'	6.6'	11.5'	8.0'	8.2'	8.2'	8.2'
Field of View (1000 Yards)	393'	330'	315'	261'	393'	330'	315'	261'	351'	320'	393'	315'
Height	5.0"	5.7"	5.7"	6.7"	5.0"	5.7"	5.7"	6.7"	5.4"	5.8"	5.8"	5.6"
Width	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.0"	5.2"	5.0"	5.0"	5.3"	5.3"
Weight	23.5 oz	25.2 oz	25.8 oz	30.2 oz	23.2 oz	24.5 oz	25.0 oz	29.6 oz	17.6 oz	23.5 oz	22.6 oz	21.7 oz

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	DCF LV	DCF NV		Papilio	
	9x28	8x36	10x36	6.5x21	8.5x21
Eye Relief	18.0 mm	16.0 mm	17.5 mm	15 mm	15 mm
Close Focus	9.9'	9.8'	9.8'	1.6'	1.6'
Field of View (1000 Yards)	294'	342'	288'	393'	315'
Height	4.6"	6.1"	6.1"	4.5"	4.6"
Width	4.5"	5.1"	5.1"	4.3"	4.3"
Weight	12.9 oz	22.6 oz	22.6 oz	10.2 oz	10.2 oz

DCF LV

Selected by Outdoor Life Magazine as the 2008 winner of Editor's Choice and Great Buy awards, the Pentax DCF LV earns high praise. Whether you are scanning open prairie or dense woodlands, the impressive performance of the Pentax DCF LV promises to make this binocular indispensable for daily outings. Protected for use in tough weather, the DCF LV is waterproof and fogproof.

UCF WP Features: Fully multi-coated, phase corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece caps, neck strap, case.

DCF NV

Another fine addition to the Pentax DCF series, the mid-size NV binocular is outfitted with everything you need to enjoy terrific views. With phase-coated roof prisms providing high resolution and contrast, and fully multi-coated lenses increasing light transmission and color quality, you won't miss any of nature's beauty. A generous eye relief and the four-position eyecups will deliver viewing comfort during a day-long outing.

DCF NV Features: Fully multi-coated, phase corrected, polycarbonate body, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Case.

Papilio

Just like a portable microscope, the Pentax Papilio is perfect for getting a complete view of the wondrous colors and patterns of butterflies, insects, or flowers. You will enjoy a mosaic of details with the outstanding 1.6 foot close focus. The fully multi-coated optics increase light transmission to deliver the subtleties of nature and art.

Papilio Features: Fully multi-coated, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter. Convergent Lens Optical System Engineering (C.L.O.S.E.). **Included:** Rainguard, neck strap, case.

Eagle Optics on Location!

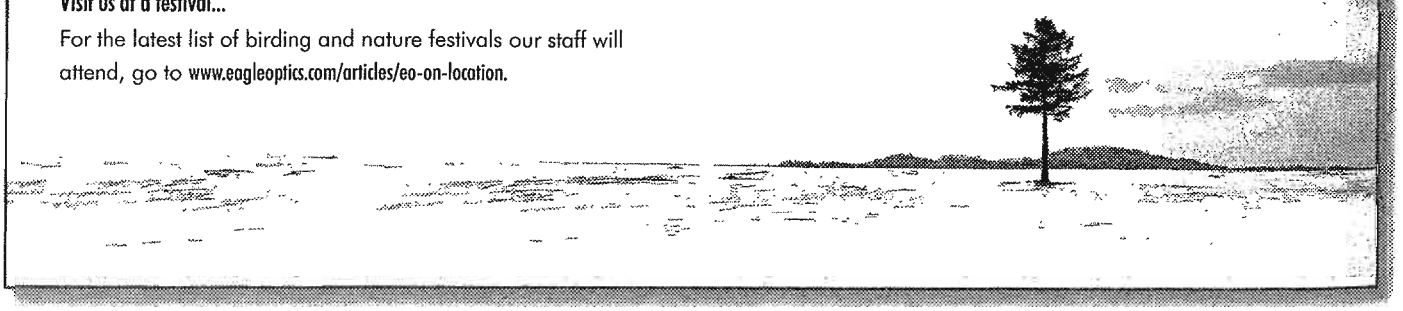
As supporters and sponsors of numerous birding and nature festivals, the Eagle Optics staff attends many events throughout the course of the year—and we relish the opportunities to meet our customers in person!

On the road again...

Have you ever wished you could visit Eagle Optics, but don't have Southern Wisconsin on your travel itinerary? No worries—look for our showroom on the road at a location near you! If there's a specific model you're interested in seeing, let us know!

Visit us at a festival...

For the latest list of birding and nature festivals our staff will attend, go to www.eagleoptics.com/articles/eo-on-location.



Steiner Binoculars

Steiner warranty varies with binocular model.

Predator Pro Xtreme

Steiner's exclusive, contrast-enhancing optics get even better with the new Dynamic Coating Technology. Designed to filter layers from inbound light, you gain added contrast for increased ability to spot game in wooded situations. Pick the 22mm and 26mm for bow hunting or hiking and the 42mm for surveying at greater distances.

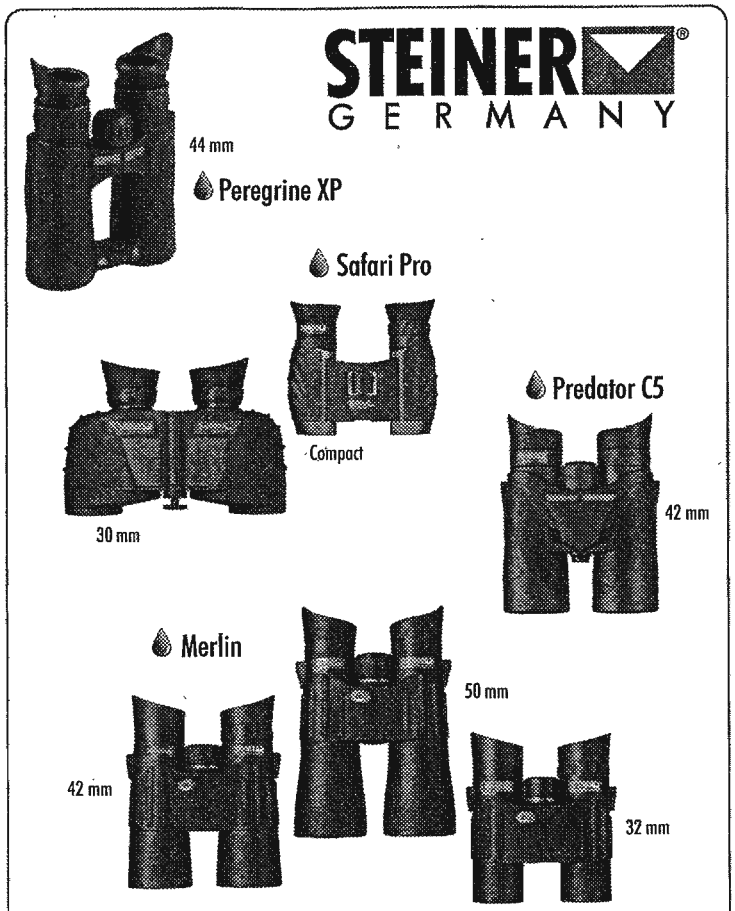
Predator Pro Extreme: Polycarbonate body, rubber armor, eyecups roll back, center focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers (42 mm models) neck strap, case. Steiner 10-year limited warranty.

Nighthunter XP

Start earlier and stay later when you have the Nighthunter XP at hand. Choose the 56mm to maximize glassing at long distances and the 42mm for a lighter weight when you are on the move. Steiner unlocks the darkness with its HD optics.

Nighthunter XP: High definition (HD) glass, rubber armor, tapered eyecups twist, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas), Nano lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, hard case. Steiner 30-year limited warranty.

	Predator Pro Xtreme				Nighthunter XP			
	8x22	10x26	8x42	10x42	8x42	10x42	8x56	10x56
Eye Relief	9.5 mm	9.0 mm	18.5 mm	16 mm	18.5 mm	16.5 mm	16.3 mm	17.0 mm
Close Focus	11.5'	14.8'	6.5'	6.5'	13.1'	13.1'	13.1'	13.1'
Field of View (1000 Yards)	404'	315'	381'	328'	400'	344'	400'	361'
Height	4.1"	4.7"	5.8'	6.6"	6.8"	6.9"	8.3"	7.4"
Width	4.1"	4.3"	4.9'	5.0"	5.0"	5.0"	5.6"	5.6"
Weight	9.3 oz	10.6 oz	25.7 oz	25.8 oz	25.7 oz	25.7 oz	36.5 oz	39.4 oz



	Peregrine XP		Safari Pro			Predator C5		Merlin			
	8x44	10x44	8x22	10x26	8x30	10x42	12x42	8x32	8x42	10x42	10x50
Eye Relief	20 mm	20 mm	12.7 mm	12.4 mm	15 mm	17 mm	16 mm	15 mm	19 mm	16 mm	18 mm
Close Focus	6.5'	6.5'	10.0'	11.5'	20.0'	6.5'	6.5'	8.9'	6.9'	7.9'	8.0'
Field of View (1000 Yards)	390'	328'	369'	309'	360'	315'	276'	336'	342'	274'	264'
Height	7.4"	7.4"	4.0"	4.7"	2.4"	6.5"	6.5"	5.5"	6.4"	6.4"	7.3"
Width	4.5"	4.5"	4.8"	4.8"	6.8"	4.8"	4.8"	5.2"	5.2"	5.2"	5.2"
Weight	30.0 oz	30.0 oz	9.7 oz	9.7 oz	18.0 oz	26.4 oz	27.1 oz	20.0 oz	23.0 oz	24.0 oz	26.0 oz

Peregrine XP

Many years of binocular know-how culminates in Steiner's Peregrine XP. The smooth focus wheel needs only 1.5 turns to travel from near to infinity and an ergonomic body style offers gel-filled grips and thumb pads for extra comfort. With a water-repellent lens coating, you will appreciate the clear views during wet weather.

Peregrine XP Features: Fully multi-coated, phase corrected, dielectric prism coatings, magnesium body, rubber armor, eyecups roll, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, interchangeable winged eyecups, neck strap, case. Steiner 30-year limited warranty.

Safari Pro

You will want to take the feather light and compact Safari Pro on your next hike, but its stylish design will easily fit in at the theater. Sport lovers and nature enthusiasts will find the mid-size Safari Pro a pleasure to handle and comfortable for viewing over long periods of time—the auto-focus system allows you to focus initially at 20 yards and stay focused from there to infinity.

Safari Pro Features: Auto focus (30 mm), center focus (compacts), eyecups roll down. **Included:** Neck strap, case. Steiner 10-year limited warranty.

Predator C5

Specifically developed as a tool for outdoor enthusiasts, the Predator C5 offers a high degree of light transmission, image resolution, and color contrast to make animals and other objects pop out of the shadows. The polycarbonate chassis is durable and the optics are protected with waterproofing and fogproofing.

Predator C5: Fully multi-coated, phase corrected, dielectric prism coatings, polycarbonate body, rubber armor, eyecups twist, center focus, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Steiner 30-year limited warranty.

Merlin

Steiner's focus on developing birding binoculars resulted in the popular Merlin. Along with phase corrected prisms, the Merlin's optics include premium glass with Steiner's specialized coatings for natural color transmission. The Merlin features soft, angled eyecups, generous eye relief, and a light weight for comfortable viewing over extended periods.

Merlin Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups roll, center focus, left eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case. Steiner 10-year warranty.

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Swarovski Binoculars

Swarovski limited lifetime warranty.

Swarovski EL Swarovision

Heading toward the goal of optical perfection, the Swarovision EL scores a win. This generation of the EL binocular comes with revolutionary new innovations to provide virtually even images with razor-sharp clarity and outlines. Improved coating technology sets new standards for brilliance and image definition and guarantees optimum contrast in low light situations. The 42mm Swarovision EL offers a phenomenal field of view appreciated by birdwatchers and naturalists. While the 50mm binocular garners more light and is favored for hunting out west, it is comparable in size to the 42mm binocular.

EL Swarovision Features: High-density (HD) glass, fully multi-coated, phase corrected, dielectric prism coatings (Swarobright), magnesium body, rubber armor, multi-position eyecups, center focus, locking right eye diopter on center focus wheel, waterproof, fogproof (nitrogen gas), Swaroclean external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, Swarovski Snap Shot adapter.

Swarovski EL 32 mm

The Swarovski EL binocular sets the standard for excellence. In order to deliver 98 percent of the available light to your eyes, the EL is engineered with three-part objective lenses, phase corrected prisms, Swarobright prism coatings, and Swarotop multi-layer anti-reflection coatings. Such top-notch brightness even allows digiscoping through the binocular and is made easier with the included SnapShot Adapter. Customers love the open-hinge design, wide field of view, and convenience of the Easy To Clean external lens coating.

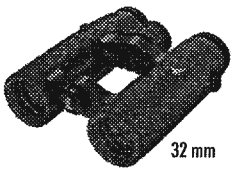
EL Features: Fully multi-coated, phase corrected, dielectric prism coatings (Swarobright), BaK-4 prisms, magnesium body, rubber armor, eyecups twist, center focus, locking diopter on center focus wheel, waterproof, fogproof (nitrogen gas), Swaroclean external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, Swarovski Snap Shot adapter.

SWAROVSKI

Swarobright® Coating

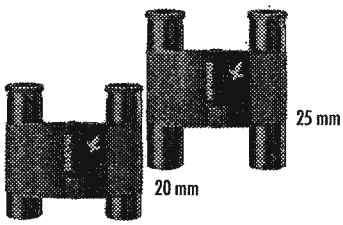
This is an innovative coating technology that, for the first time, makes it possible to selectively control reflected light in the prism system, delivering 5–10% more light in the blue/green spectrum for increased light transmission, the best contrast, sharpest resolution, and optimal color fidelity.

EL



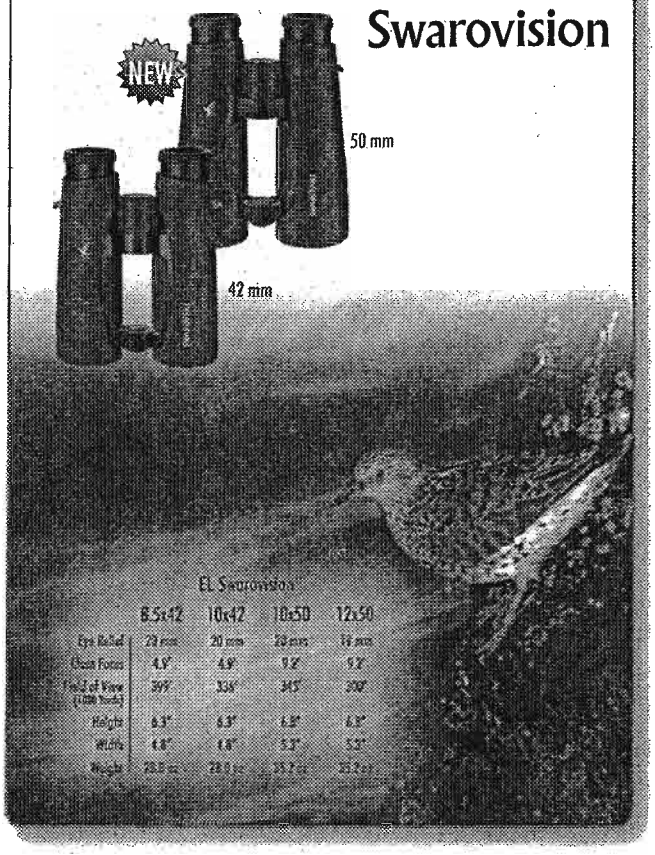
SLC HD

Pocket



	EL		SLC HD		Pocket	
	8x32	10x32	8x42	10x42	8x20	10x25
Eye Relief	15 mm	12 mm	18.5 mm	16.0 mm	13 mm	13 mm
Close Focus	7.0'	7.0'	6.0'	6.0'	13.0'	16.0'
Field of View (1000 Yards)	420'	360'	408'	330'	345'	285'
Height	5.4"	5.4"	5.9"	5.7"	4.0"	4.6"
Width	4.5"	4.5"	4.7"	4.7"	3.7"	3.7"
Weight	21.5 oz	21.2 oz	28.5oz	28.0 oz	7.6 oz	8.1 oz

The EL Swarovision



SLC HD—High Definition Glass

Swarovski upgraded every feature of its rugged SLCnew binocular to provide you with a serious improvement in performance. The SLC HD now sports Swaroclean, Swarobright, Swarodur, and Swarotop coatings in addition to flouride containing HD lenses. Your enjoyment is further enhanced with the large field of view due to the wide-angle eyepiece and a terrific 6 foot close focus. Continuing its reputation for toughness, the SLC HD comes in a strong magnesium housing.

SLC HD Features: High definition (HD) glass, fully multi-coated, phase corrected, rubber armor, multi-posiiton eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas), tripod adaptable, Swaroclean external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Swarovski Pocket—Absolutely rugged!

Ideal for any outdoor activity, the Swarovski Pocket binocular will quickly become a must-have accessory. This compact binocular may look delicate, but the lightweight and rugged housing paired with waterproof and fogproof protection guarantee performance regardless of the situation. Take this premium binocular along for a day-long hike or evening at the theater. A complex optical system, phase corrected prisms, and Swarobright mirror prism coatings will reward you with sharp, bright images, high resolution, and optimum color fidelity.

Swarovski Pocket Features: Fully multi-coated lenses, phase corrected, BaK-4 prisms, rubber armor (black or green) or leather trim, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case.

Vortex Binoculars

Vortex VIP unconditional lifetime warranty.

Razor HD

You can't help but fall in love with the sleek, well-balanced Vortex Razor HD once you see and feel this redesigned binocular. It starts with the fluid movement of the focus wheel as you swiftly bring details into focus and culminates with the rewarding high resolution and color fidelity only available with the Razor's premium high-density glass. Hand-selected prisms, anti-reflective coatings and fully multi-coated lenses combine to show you the fine points even in low-light settings.

Razor Features: Premium high density (HD) extra-low dispersion glass, fully multi-coated (XR coatings), phase corrected, magnesium body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek® external lens coating. **Included:** Rainguard, interchangeable flared eyecups, tethered objective lens covers, neck strap, case.

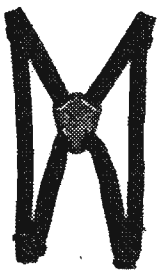
Kaibab HD

The challenge of long-distance viewing is no problem for the rugged Kaibab HD's powerful 15x magnification. You will appreciate the Vortex HD System that enhances image resolution through extra-low dispersion glass, brightens image details with fully multi-coated optics, and delivers a sharp image that is free of distortion.

Kaibab Features: Premium high density (HD) extra-low dispersion glass, fully multi-coated (XR coatings), phase-corrected, silver-coated prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case, tripod adapter.

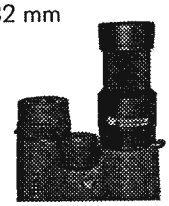
Binocular Harness Strap

Keep your binocular from jostling around as you hike with this comfortable accessory—it spreads the weight of the binocular across your shoulders.



2x Doubler

Add a 2x Doubler, keep the total weight of your gear low, and take in high-power views that compete with many spotting scopes. Fits on most Vortex 32 mm or larger binoculars.



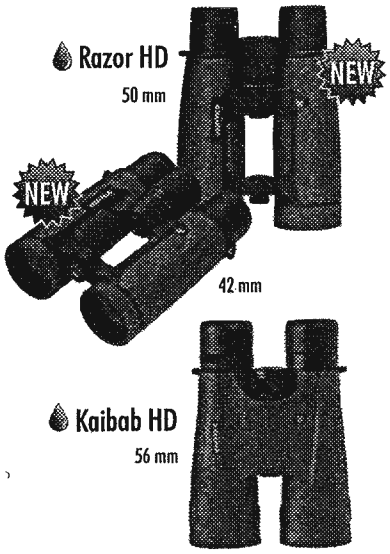
VORTEX

ArmorTek Lens Armor Makes lenses harder and stronger, scratch-resistant, and stain-proof for easier cleaning of dust, dirt, and smudges.

Viper Compacts

	Viper HD						Viper	
	6x32	8x32	8x42	10x42	10x50	15x50	8x28	10x28
Eye Relief	19.5 mm	16 mm	20 mm	16.5 mm	19.5 mm	16 mm	19 mm	19 mm
Close Focus	3.0'	3.0'	5.1'	5.1'	8.2'	8.2'	7.5'	7.5'
Field of View (1000 Yards)	420'	400'	347'	319'	278'	210'	319'	267'
Height	4.9"	4.9"	5.8"	5.8"	6.7"	6.7"	4.7"	4.7"
Width	4.8"	4.8"	5.3"	5.3"	5.2"	5.2"	4.5"	4.5"
Weight	20.6 oz	20.6 oz	24.2 oz	24.6 oz	28.4 oz	28.4 oz	11.8 oz	12.0 oz

VORTEX OPTICS



	Razor HD					Kaibab HD
	8x42	10x42	8.5x50	10x50	12x50	15x56
Eye Relief	19 mm	18 mm	20 mm	19 mm	19 mm	17.4 mm
Close Focus	8.0'	8.0'	14.0'	14.0'	14.0'	23'
Field of View (1000 Yards)	415'	331'	362'	331'	278'	226'
Height	6.5"	6.5"	7.4"	7.4"	7.4"	7.7"
Width	5.1"	5.1"	5.6"	5.6"	5.6"	5.7"
Weight	29.5 oz	29.5 oz	38.5 oz	38.5 oz	39.5 oz	44.0 oz

Viper HD

This sounds too good to be true. Vortex takes its already award-winning Viper binocular and adds High Density (HD) extra-low dispersion glass. With these high-performance additions to this already bright, rugged, lightweight, and affordable binocular, you win big when you take the Viper HD into the field or forest. Vortex's engineering anchors internal prisms in place and improves the Viper's ability to withstand rough use. Protected with rubber armoring, waterproofing, fogproofing, and backed by the Vortex VIP warranty, the Viper HD is certain to perform for generations.

Viper HD Features: Extra-low dispersion (XD) glass, fully multi-coated (XR coatings), phase-corrected, rubber armor, multi-position eyecups, center focus, locking right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek lens coating. **Included:** Rainguard, neck strap, case.

Viper Compacts

Carry the same magnificent optics of the Viper HD in a convenient, compact size. With extra-long eye relief, a 7.5 foot close focus, and definitive bright views, the compact Viper presents high performance at a price you can't afford to pass up.

Viper Compact Features: Extra-low dispersion (XD) glass, fully multi-coated (XR coatings), phase-corrected, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas). **Included:** Rainguard, neck strap, case.

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Talon HD

Once you clasp your hands on the Vortex Talon HD, you won't ever let go. Designed with the ever-popular open-hinge design, the rubber armoring enhances the secure feel of the Talon. The internal quality completes the package with HD extra-low dispersion glass, XR anti-reflective coatings, and fully multi-coated lenses to deliver impressive views with the color, details, and brightness you crave. Protected with waterproofing, fogproofing, and the Vortex VIP warranty, the Talon HD is meant to last for many years to come.

Talon HD Features: High definition (HD) extra-low dispersion glass, fully multi-coated optics (XR coatings), phase corrected, dielectric prism coatings, rubber armor, multi-position eyecups, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (argon gas), ArmorTek lens coating. **Included:** Rainguard, tethered objective lens caps, neck strap, case.

Diamondback

Customers quickly realized the rugged Diamondback binocular delivered an amazingly bright view at a shockingly reasonable price. Vortex expanded the successful performance and excellent value of the Diamondback 42 mm into a full range of sizes from 28 mm to 50 mm. With the comfortably soft eyecups and ergonomically balanced design, this binocular is destined to become a classic.

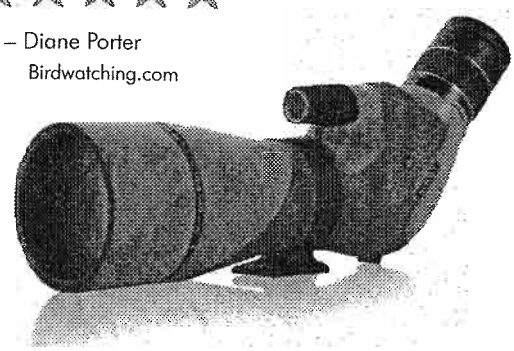
Diamondback Features: Fully multi-coated, phase corrected, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Vortex Razor HD

"Optically, it is among the top few scopes in the world for brightness and sharpness."

★★★★★

– Diane Porter
Birdwatching.com



See details on page 35.

Crossfire

Do you want a bright binocular with a durable build that won't bust the budget? The Vortex Crossfire is the choice for you! The lightweight Crossfire is designed with a wide field of view and fully multi-coated optics—desirable features for reliable performance. The rubber armored and waterproof, fogproof Crossfire is built to stand up to rough use.

Crossfire Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, tripod adaptable, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Raptor

Present the young naturalist in your life with the Raptor, and you've introduced them to the gift of a lifetime. The highly regarded porro prism Raptor delivers an exceptionally wide field of view with sharp, rich three-dimensional details. Featuring twist-up eyecups and waterproof, fogproof construction, the Raptor continues a classic tradition in a modern fashion.

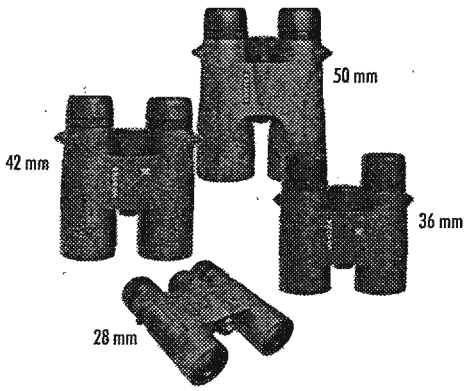
Raptor Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Vanquish

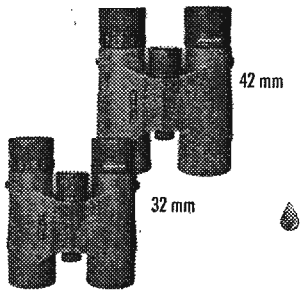
Take a look through the Vanquish and prepare to relish the view. Built with reverse porro prisms and fully multi-coated optics, the Vanquish presents you with bright, three-dimensional views. Fully protected for use around the water and in temperature extremes, the Vanquish is a tough binocular—ideal for multiple uses.

Vanquish Features: Fully multi-coated, BaK-4 prisms, rubber armor, multi-position eyecups, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, neck strap, case.

Diamondback Series

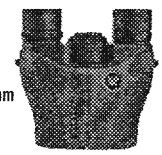


Crossfire

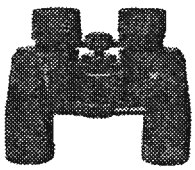


Talon HD

Vanquish



Raptor



	Talon HD		Diamondback									Crossfire				Raptor		Vanquish	
	8x42	10x42	8x28	10x28	7x36	9x36	8x42	10x42	8.5x50	10x50	12x50	8x32	10x32	8x42	10x42	6.5x32	8.5x32	8x26	10x26
Eye Relief	18 mm	16 mm	19.3 mm	16 mm	20.9 mm	15.7 mm	18 mm	16 mm	19 mm	19 mm	19 mm	16 mm	16 mm	19 mm	16 mm	20 mm	14 mm	15 mm	16 mm
Close Focus	6.0'	6.0'	13.1'	13.1'	5.9'	6.6'	4.5'	5.0'	9.0'	9.0'	9.0'	16.0'	16.0'	6.0'	6.0'	15.0'	15.0'	7.6'	7.6'
Field of View (1000 Yards)	425'	348'	360'	300'	418'	368'	420'	345'	283'	283'	241'	394'	315'	315'	315'	410'	390'	352'	294'
Height	6.7"	6.7"	4.8"	4.8"	5.1"	5.1"	5.9"	5.9"	6.8"	6.8"	6.9"	5.5"	5.5"	6.0"	5.8"	4.5"	4.5"	4.7"	4.7"
Width	5.0"	5.0"	4.5"	4.5"	4.8"	4.8"	5.6"	5.6"	5.6"	5.6"	5.6"	5.0"	5.0"	5.0"	5.0"	5.7"	5.7"	4.4"	4.4"
Weight	27.4 oz	26.5 oz	14.0 oz	14.0 oz	23.4 oz	22.6 oz	25.2 oz	24.4 oz	31.0 oz	31.0 oz	31.0 oz	17.4 oz	17.0 oz	22.0 oz	21.6 oz	17.3 oz	17.3 oz	12.7 oz	12.7 oz

Unconditional Unlimited Lifetime Warranty

Zeiss Binoculars

Zeiss limited lifetime transferable warranty.

Victory T* FL LT

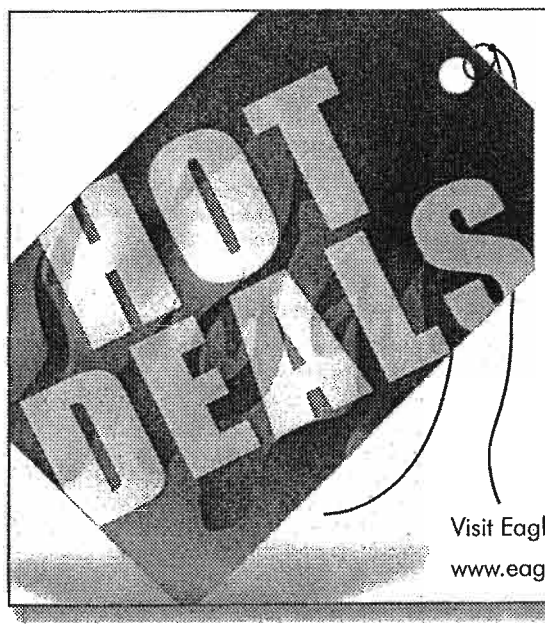
Expect sensational performance from the Victory T* FL LT binocular, because this top-notch binocular delivers. The excellence of Zeiss's brightest binocular comes from superior optical quality, including Zeiss fluoride glass, patented T* anti-reflective coatings, and phase corrected Abbe-Koenig prisms. Customers greatly appreciate the one turn to infinity focusing mechanism, four position click-stop eyecups, and easy-to-clean LotuTec® coating.

Victory FL Features: Fluoride glass, fully multi-coated, phase corrected, magnesium-reinforced body, rubber armor, multi-position eyecups, center focus, locking right eye diopter, waterproof, fogproof (nitrogen gas), LotuTec® external lens coating. **Included:** Rainguard, tethered objective lens covers, neck strap, case.

Victory Compacts

The Victory compact puts a premium binocular from Zeiss at your fingertips. Waterproof and fogproof, the Victory B T* is ready for any outdoor adventure. After a day of hiking, slip your compact in its elegant leather case and you are ready for an evening at the theater.

Victory Compact Features: Fully multi-coated (T* coatings), phase corrected (P* coatings), dielectric prism coatings, rubber armor, eyecups twist, center focus, right eye diopter, waterproof, fogproof (nitrogen gas), LotuTec® external lens coating. **Included:** Neck strap, leather case.



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Visit Eagle Optics at www.eagleoptics.com/products/hot-deals

Conquest

The Conquest series of binoculars really shine on overcast days by delivering the brightness you expect from a European manufactured binocular. Zeiss engineers the Conquest with phase corrected prisms and anti-reflection, multi-layer coatings to enhance light transmission. Waterproof and fogproof, these mid-priced binoculars come in a wide range of sizes and magnifications—ready for any outdoor adventure.

The cell phone size of the Zeiss Conquest B T* compact is perfect to keep close at hand for unexpected encounters needing a closer look. The phase corrected Schmidt-Pechan prisms and anti-reflection multi-layer coatings combine to greatly enhance light transmission. The Conquest comes in a leather case to add extra protection outdoors or elegance to an evening activity.

Conquest (Mid and Full Sizes) Features: Phase corrected, T* multi-layer coated, Pechan prisms (40 mm and 50 mm use Abbe-Koenig prisms), eyecups twist, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Rainguard, tethered objective lens covers, neck strap, case. Conquest (Compact) Features: Fully multi-coated, phase corrected, rubber armor, eyecups roll, center focus, right eye diopter, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, leather case.

	Victory FL Series							Victory Compacts	
	8x32	10x32	7x42	8x42	10x42	8x56	10x56	8x20	10x25
Eye Relief	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	16 mm	14 mm	14 mm
Close Focus	6.5'	6.5'	6.5'	6.5'	6.5'	9.8'	9.8'	8.5'	13.1'
Field of View (1000 Yards)	420'	360'	450'	405'	330'	390'	330'	351'	285'
Height	4.6"	4.6"	6.5"	6.8"	6.8"	7.9"	7.9"	4.0"	4.7"
Width	5.1"	5.1"	5.0"	5.0"	5.0"	6.2"	6.2"	3.8"	3.8"
Weight	19.8 oz	19.8 oz	26.1 oz	26.6 oz	27.0 oz	43.0 oz	44.0 oz	7.9 oz	8.8 oz

	Conquest Compacts		Conquest Series									
	8x20	10x25	8x30	10x30	8x40	10x40	12x45	15x45	8x50	10x50	8x56	10x56
Eye Relief	14 mm	14 mm	15 mm	15 mm	16 mm	16 mm	14.5 mm	14.5 mm	16 mm	15.5 mm	16 mm	16 mm
Close Focus	9.8'	16.4'	9.8'	9.8'	9.8'	9.8'	16.4'	16.4'	10.5'	10.5'	13.1'	13.1'
Field of View (1000 Yards)	330'	264'	360'	288'	360'	315'	240'	192'	330'	288'	360'	344'
Height	4.0"	4.7"	5.6"	5.6"	5.6"	5.6"	6.8"	6.8"	7.8"	7.6"	7.3"	7.4"
Width	3.7"	3.8"	4.5"	4.5"	5.25"	4.5"	4.7"	4.7"	5.2"	5.2"	5.5"	5.2"
Weight	6.5 oz	7.1 oz	17.5 oz	18.0 oz	29.0 oz	29.0 oz	21.3 oz	21.9 oz	32.0 oz	32.0 oz	33.5 oz	31.9 oz

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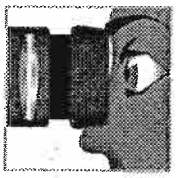
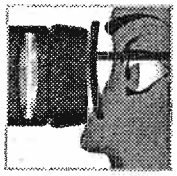
An Eagle Eye View of Optics

You'll find many choices in magnification, size, style, cost, and quality. As you consider which optics suit your needs best, note how the overall optical quality (generally indicated by price) greatly affects image details. We advise you to invest in the best optical quality you can afford.



Extended eyecups



Retracted eyecups

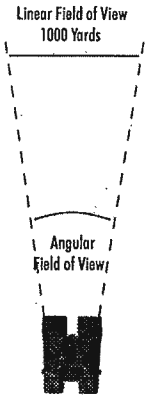
Eye Relief and Eyecup Design

For better viewing when wearing eyeglasses, fold back or twist down the eyecups.

Effective eye relief

Eye relief is the distance in millimeters between the ocular lens and where the image comes to focus and the entire field of view can be seen. If you wear eyeglasses or sunglasses while viewing through binoculars and spotting scopes, look for a minimum eye relief of 15 mm eye relief.

A wide field of view is ideal for many hobbies.



Close focus for detailed nature study

Close focus refers to the minimum distance you can clearly focus on an object. If you plan on viewing butterflies, insects, and other subjects at close range, you'll find a variety of binoculars that focus under eight feet.

Field of view

The field of view is the distance seen from left to right when looking through optics. This distance is normally measured in one of two ways: linear feet at a distance of 1000 yards or angular degrees. A wide field of view is helpful when following fast-moving action.

One Degree of Angle = 52.5 Feet at 1000 Yards

Optical Glass and Coating Quality

Glass quality

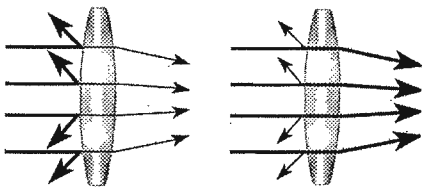
Standard grades of optical glass offer good image quality in ideal lighting conditions. For the best performance in low light situations, it is necessary to consider high grades of glass.

High-grade glass types, such as ED (Extra-low dispersion), FL (Fluoride), and HD (High-Definition), offer noticeably enhanced resolution and color fidelity.

Anti-reflection lens coatings

The use of anti-reflective lens coatings will make a difference in image color, resolution, and contrast by increasing the amount of light passing through the optical system. Finer optics use a greater number of higher quality coatings to increase the amount of light transmitted.

Coated optics have a single coating on at least one surface.
Multi-coated optics have multiple coatings on at least one surface.
Fully-coated optics have a single coating on all surfaces.
Fully multi-coated optics have multiple coatings on all surfaces.



Uncoated Optics Coated Optics

Anti-reflection coatings allow a greater percent of the light rays to pass through the lenses.

What does this term mean?

Aperture:
The diameter of the objective lens in millimeters.

Center Focus:
Adjusts both binocular barrels at the same time.

Diopter:
Adjusts for differences in a user's eyes. Usually located on right eyepiece or focus wheel.

Fogproof:
Barrels are filled with nitrogen or argon gas to inhibit internal fogging.

Interpupillary Distance (IPD):
This is the distance between the centers of the left and right eye pupil. To get a correct IPD, adjust the position of the binocular barrels until you see one image.

Light Transmission:
An indication of how much light passes through the optical system, or how efficiently it transmits to the eye.

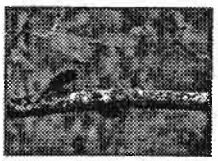
Phase Correction:
This is a set of coatings on the prism glass that keeps light in correct color phases. These coatings are only needed on roof prisms to enhance resolution, contrast, and color fidelity.

Resolution:
How well an optical system distinguishes fine details.

Waterproof:
Optics are sealed with O-rings to prevent moisture, dust, and debris from getting inside an optical system.

Magnification

As magnification increases, eye relief, field of view, and brightness often diminish and images may shake.



Viewed without Optics

Viewed with Optics

Binoculars

The first number (8 x 42) refers to the magnification, or how many times larger an object will appear. An 8x or 10x binocular is considered adequate for a variety of situations.

Spotting Scopes

The first numbers (20–60 x 80 or 30 x 80) refer to the magnification, or how many times larger an object will appear.

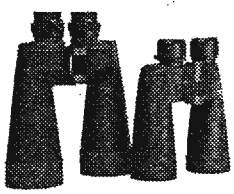
Fixed magnification eyepieces are appreciated for their wide fields of view.

Zoom magnification eyepieces are popular because of their versatility.

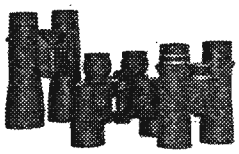
Objective lenses

The objective lens is the lens at the end of a binocular or spotting scope that is farthest from your eyes.

The objective lens determines how much light the binocular or spotting scope can receive and how bright the resulting image will be. The objective lens size also affects overall equipment size.



Large Size
Long-range observation, day or night.



Full Size
Birding, nature study, general use.

Mid Size
General day use, travel.

Compact Size
Hiking, travel, backpacking.

Binoculars
The second number (8 x 42) refers to the diameter of the objective lens in millimeters. Objective lenses typically vary in size from 15 mm–80 mm.

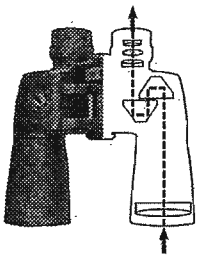
Spotting Scopes
The last number (20–60 x 80) refers to the diameter of the objective lens in millimeters. Objective lenses typically vary in size from 40 mm–100 mm.

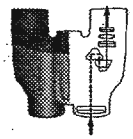
Prisms

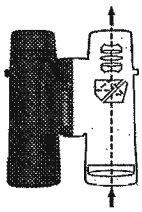
Porro Prism Design
Named after their Italian designer, porro prism binoculars are characterized by objective lenses more widely spaced than the eyepieces. Porro prisms generally offer a rich depth of field, wide field of view, and three-dimensional image.

Reverse Porro Prism Design
Compact binoculars often have reverse porro prisms, with eyepieces closer than the objective lenses.

Roof Prism Design
Named for the roof-like appearance of the prisms, roof prism binoculars have the eyepieces and objective lenses positioned in a straight line. Roof prism binoculars are appreciated for their streamlined shape and durability.

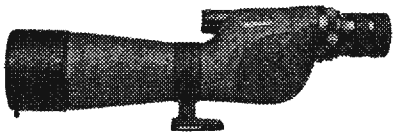




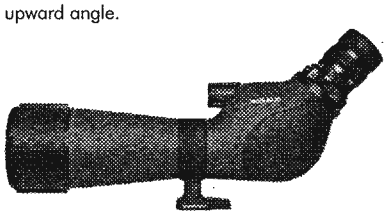


Spotting scope body design

Straight body
Is favored by users because it works well for viewing downward from elevated platforms, such as decks and patios.



Angled body
Is favored by users of different heights for viewing without adjusting the tripod height as frequently. The angled design works well when viewing at an upward angle.



Exit Pupil

The exit pupil is the beam of light that exits each eyepiece and enters the user's eyes. The exit pupil is measured in millimeters. To calculate the exit pupil, divide the size of the objective lens in millimeters by the magnification.

$$\text{Exit Pupil} = \frac{\text{Objective Lens}}{\text{Magnification}}$$

8x25 Binoculars
Exit Pupil = 3.125 mm

7x50 Binoculars
Exit Pupil = 7.14 mm

The exit pupil is seen as a white circle in the eyepiece.

Binoculars for low light conditions

A person's dilated pupil is usually around 5 mm. As we age, the iris dilates less. The larger the exit pupil of the binocular, the brighter the image will appear in low light conditions.

Optics for Your Activity

Eagle Optics offers a variety of binoculars, monoculars, and spotting scopes to meet a wide range of activities. Here are some suggestions for choosing binoculars:

Astronomy: Objective lens size 50 mm and larger

Birding: Magnification of 7x to 10x

Boating: Waterproof, large objective lens

Butterfly Watching: Close focus under eight feet

Hiking and Travel: Compact, waterproof, rubber armored

Kids: Compact to mid-size with narrow interpupillary distance (IPD)

Spectator Sports: Wide field of view, magnification of 6x to 8x

Theater Glasses: Compact, wide field of view, low magnification

Need help choosing optics?

E-mail info@eagleoptics.com or call 1-800-289-1132.

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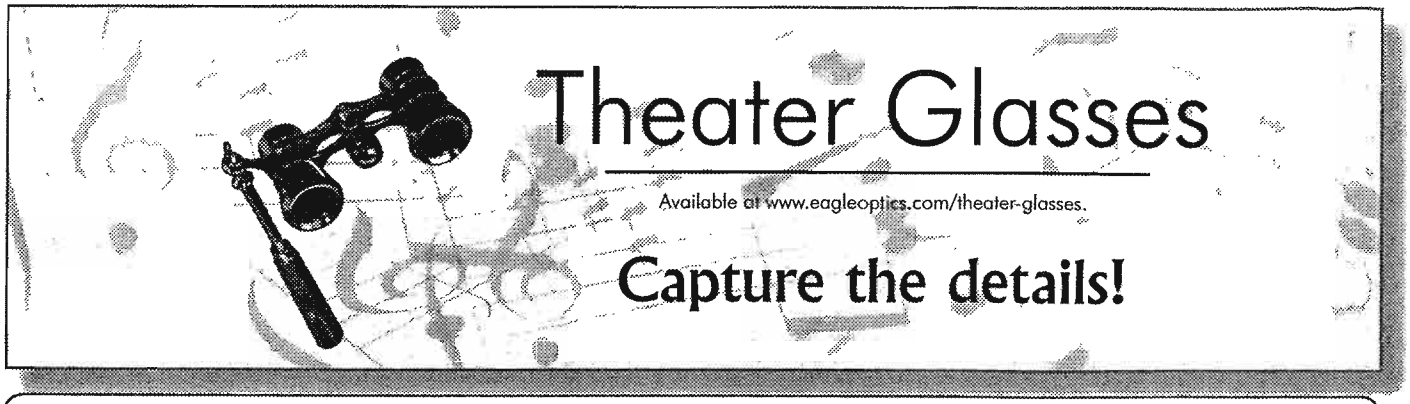


Theater Glasses

Available at www.eagleoptics.com/theater-glasses.

Capture the details!

Leica Monovid

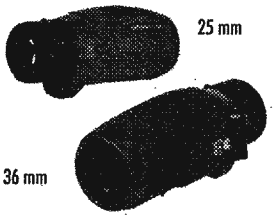
Count on outstanding performance when you're off exploring a museum or interacting with nature. Leica bundles optical excellence in the four-inch, four-ounce Monovid and includes a close-up accessory lens to bring out details from as close as 10 to 14 inches.

8x20 Minovid

Monovid 8x20 Features: Fully multi-coated, rubber armor, waterproof, fogproof (nitrogen gas), AquaDura® external lens coating. **Included:** Neck strap, case, belt clip (36 mm). Leica lifetime warranty plus a three-year Passport Protection Plan.

Vortex Solo Monocular

The new 36 mm Solo will spoil you with bright views. This lightweight, dependable monocular will quickly become important for your daily use and travels.



25 mm

36 mm

Solo Features: Fully multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Neck strap, case, belt clip (36 mm). Vortex VIP unconditional lifetime warranty.

Minox Minoscope

Travel the world and revel in all the bright details with the Minoscope! Fogproof and waterproof, the versatile Minoscope fits comfortably in your hand and is easy to focus with a well-placed focus ring.

8x25 Minoscope

Minoscope 8x25 Features: Multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Strap, case. Minox lifetime warranty.

Brunton Macroscope™

Bring details to life from 18 inches to infinity with an easy turn of the focus dial!

7x40 Macroscope

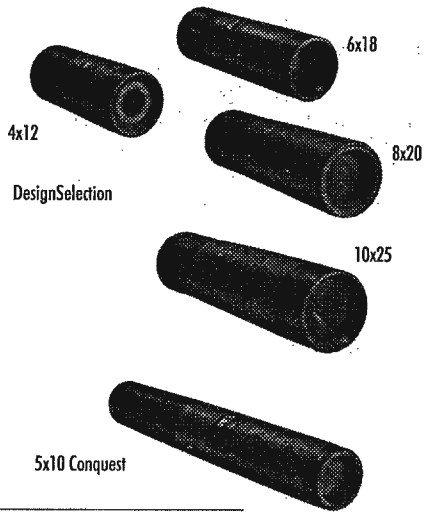
Macroscope 7x40 Features: Fully multi-coated, BaK-4 prisms, aluminum body, rubber armor, eyecup twists, tripod adaptable. Brunton limited lifetime warranty.

Zeiss Design Selection Monoculars

Zeiss offers stunning image quality with the slim, sleek Design Selection monoculars. Magnifying text within an arm's length is especially easy thanks to the one-foot close focus. These monoculars combine sophisticated style with sure-fire mechanical and optical precision.

- **4x12:** A magnificent magnifier. Draw tube focus.
- **6x18:** Good perspective with a 366-foot field of view. Draw tube focus.
- **8x20:** Ideal for travelers, sports and cultural events.
- **10x25:** Effective tool for orienting yourself to distant landmarks or nearby views.

DesignSelection Features: Zeiss P* and T* coatings, eyecup rolls. **Included:** Strap, case. Zeiss limited lifetime transferable warranty.



6x18

4x12

8x20

DesignSelection

10x25

5x10 Conquest

Zeiss Conquest Mini Quick Monocular

No larger than a fountain pen—weighs less than a pocketknife. Great for gifts!

Conquest Mini Quick 5x10 Features: T*multi-coatings. **Included:** Leather pouch, built-in pocket clip. Zeiss limited lifetime transferable warranty.

	Brunton Macroscope	Leica Monovid	Minox Minoscope	Vortex Solo				Zeiss Design Selection				Zeiss Conquest
	7x40	8x20	8x25	8x25	10x25	8x36	10x36	4x12	6x18	8x20	10x25	5x10
Eye Relief	15 mm	15 mm	12 mm	15 mm	14.5 mm	18 mm	15 mm	16 mm	16 mm	16 mm	16 mm	16 mm
Close Focus	1.5'	6.0'	1.2'	16.4'	16.4'	16.4'	16.4'	1.0'	1.0'	9.8'	16.4'	13.1'
Field of View (1000 Yards)	336'	331'	342'	378'	315'	393'	325'	552'	366'	345'	285'	300'
Length	6.5"	4.0"	3.6"	5.7"	5.7"	4.9"	4.9"	2.8"	3.7"	4.0"	4.6"	4.5"
Width	2.6"		2.2"					1.1"	1.1"	1.2"	1.5"	0.6"
Weight	11.3 oz	4.0 oz	5.3 oz	5.6 oz	5.6 oz	9.7 oz	9.7 oz	1.6 oz	2.0 oz	2.7 oz	3.1 oz	.8 oz

Bushnell Spotting Scopes

Bushnell limited lifetime warranty.

Elite

An excellent choice for remarkable performance at a moderate price, the Elite provides you with extra-low dispersion glass (ED) for impressive image resolution and contrast. Waterproofing and fogproofing protect the internal optics from a variety of weather, and Bushnell's permanent Rainguard™ lens coating works to decrease the effect of rain on external lenses. These benefits guarantee a spotting scope ready to perform in tough situations.

Elite Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, rubber armor, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Rainguard exterior lens coating. **Included:** View-through case, eyepiece cap, objective lens cover. Straight or angled body with 20-60x eyepiece.

Legend Ultra HD

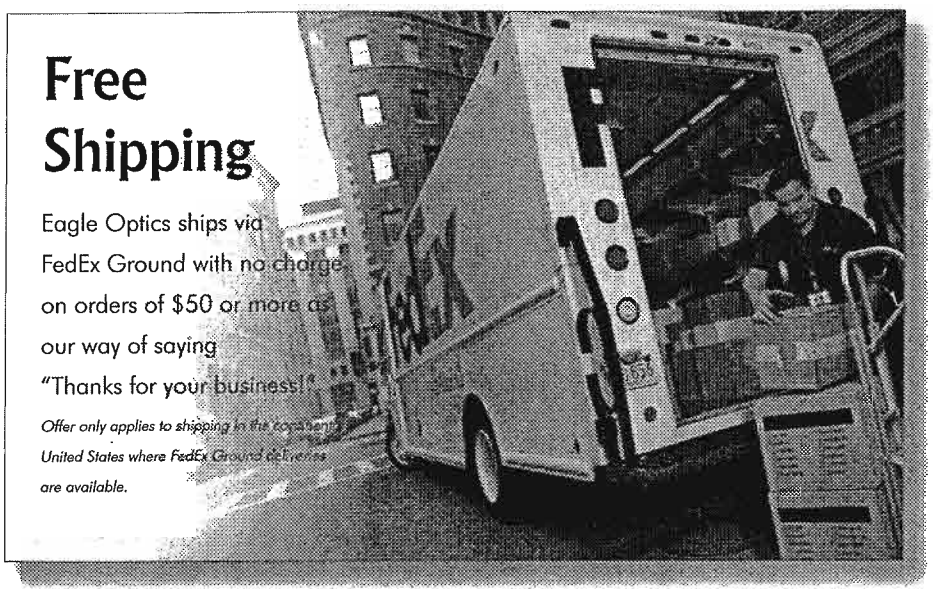
Capture all the details of the moment through the razor-sharp views of the Legend Ultra HD 80 mm angled spotting scope. Also available in a mid-sized 60mm straight model as well as the convenient, compact 50 mm design (straight and angled body). Priced for the budget-minded, you will still enjoy the precise optical performance of extra-low dispersion glass and the bright images through the fully multi-coated optics.

Legend Ultra HD Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, rubber armor, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Rainguard exterior lens coating. **Included:** View-through case, eyepiece cap, objective lens cover. All models come with zoom eyepiece.

Trophy

Built tough, this Trophy isn't meant to sit on your shelf! Fully multi-coated optics ensure bright views as you zoom in on fine details of wildlife. Use the convenient, compact tripod for steady oberservation.

Trophy Features: Fully multi-coated, eyecup twists, rubber armor, sunshade. **Included:** Soft and hard cases, tethered objective lens cover, tabletop tripod. Straight body in two sizes: 20–60x65 or 15–45x50 models.



Easy rotation of scope body
An angled body makes sharing views with children so easy. Instead of changing the height of the tripod, simply rotate the scope body so that the eyepiece faces downward. Also helpful when using a car window mount.

	Elite ED	Legend Ultra HD			Trophy	
	80 mm	50 mm	60 mm	80 mm	50 mm	65 mm
Eyepiece	20–60x	12-36x	15-45x	20-60x	15–45x	20–60x
Eye Relief	18 mm	17 mm	20 mm	18 mm	18 mm	18 mm
Field of View (1000 Yards)	98–50'	179–90'	140–63'	110–51'	150–76'	110–55'
Close Focus	15.0'	15.0'	18.0'	35.0'	32.5'	32.5'
Weight	53.0 oz	36.3 oz	40.4 oz	80.1 oz	31.7 oz	42.3 oz
Length	17"	9.8"	11.1"	16.5"	13.2"	13.4"

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Become a part of the ABA community of birders.

Go to www.aba.org/eo today.

American Birding® ASSOCIATION

Caring for Our World—Eagle Optics is making a difference!

For over 20 years Eagle Optics has generously donated to conservation groups that care for and expand habitat conservation for birds and wildlife.

These are just a few of the groups Eagle Optics sponsors:

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Hawk Watch International
ABA Birder's Exchange Program
Cornell Lab of Ornithology
Ducks Unlimited
Fish & Wildlife Service
Golden Gate Raptor Observatory
Gulf Coast Bird Observatory
Hawk Ridge Bird Observatory
International Bird Rescue Research Center
International Crane Foundation
International Migratory Bird Day
Klamath Bird Observatory
National Audubon Society
(plus many local chapters)
Natural Heritage Land Fund
North America Natural Resources & Wildlife
North American Butterfly Association
Point Reyes Bird Observatory
Pronatura Veracruz
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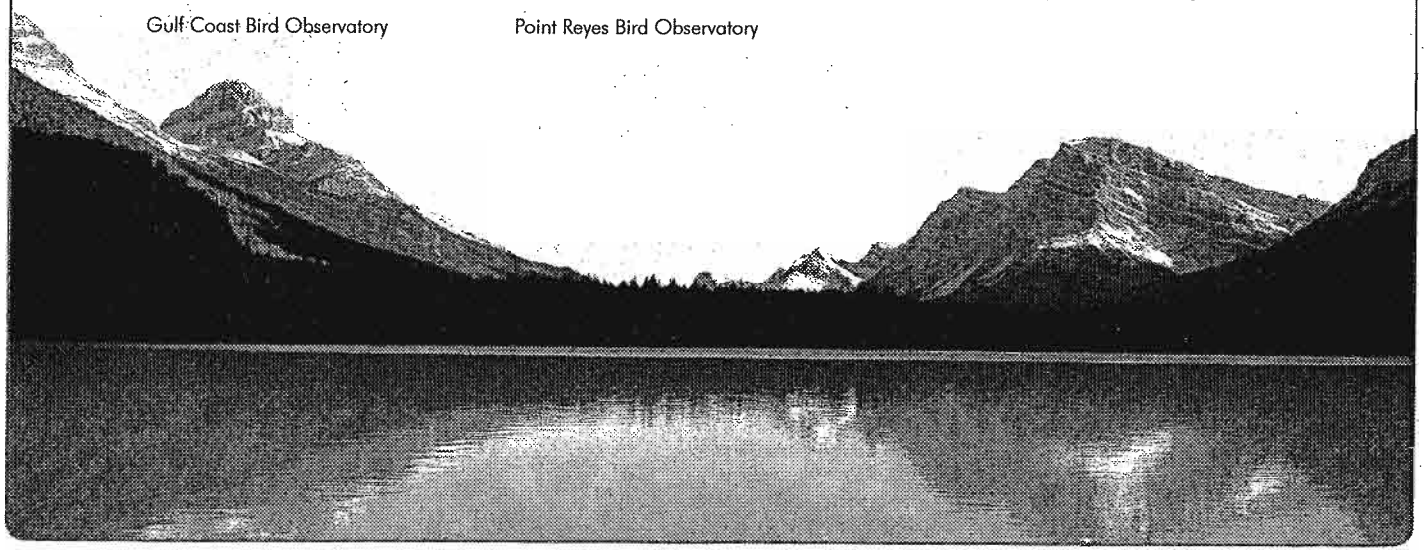
Texas Parks and Wildlife
Trust for Public Land
Urban Ecology Center
Ventana Wildlife Society
Wildlife Habitat Council
...plus many State Ornithological Societies



Kowa Spotting Scopes

Kowa limited lifetime warranty.

TSN Prominar Series

Prominar spotting scopes from Kowa kick up the performance level and viewing experience by using an XD objective lens with low-dispersion properties to diminish chromatic aberration. The 66 mm and 77 mm lens sizes offer light-gathering power for long distances and low light settings, yet keep the size at an easy-to-carry weight. Kowa engineers offset the length and weight associated with a large objective lens by incorporating an inner focus system and a magnesium alloy body. With the eyepiece locking mechanism, the eyepiece securely attaches to the body and reduces the risk of loss.

TSN 88 mm Prominar

With the 88 mm Prominar spotting scope, Kowa takes image quality to the max by incorporating fluorite crystal lenses to enhance resolution, color, and contrast. Combined with the light-gathering power of the 88 mm objective lens, this Kowa Prominar delivers the ultimate viewing experience!

TSN Prominar Features: Extra-low dispersion (XD) glass, fully multi-coated, BaK-4 prisms, dual focus (77 mm and 88 mm), magnesium alloy body, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cap. Straight or angled body. Eyepieces sold separately.

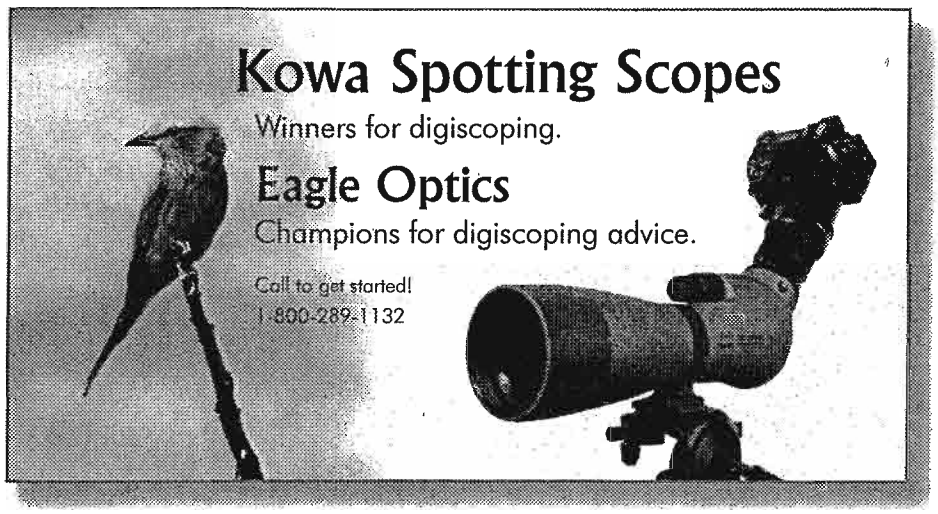
TSN Standard Series

Take your pick from the lightweight size of the 60 mm or 66 mm scopes with standard glass. Both have long set a lofty performance bar. You will gather all the important details through Kowa's fully multi-coated optics which deliver beautifully bright, clear, and sharp images.

TSN Standard Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cap. Straight or angled body. Eyepieces sold separately.

Kowa DA-10 Digiscoping Adapter

Move beyond viewing to capturing digital images with your Kowa spotting scope. Specifically designed for use with digital cameras using filter threads, the compact Kowa DA-10 adapter fits on any of the TSN 77 mm or TSN 88 mm spotting scopes. Call Eagle Optics or check our website for complete details.



TSN 82SV

Kowa continues the legendary performance of the TSN-821M spotting scope with the updated TSN-82SV. Designed to accept eyepieces fitting the Kowa 60/66 mm spotting scopes, you can now choose from magnifications of 26x, 32x, and 27x. With the variety of eyepiece choices and its bright optical performance, the TSN 82SV carries on the tradition of enjoyable performance at a pleasing price.

TSN 82SV Features: Fully multi-coated, BaK-4 prisms, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece cap, threaded objective lens cover. Accepts the Kowa 60 mm / 66 mm eyepieces.

	60 mm / 66 mm			77 mm			82 mm			88 mm		
Eyepiece	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x	25x LER	30x WA	20–60x
Eye Relief	32 mm	20 mm	16.5–16 mm	32 mm	20 mm	17–16.5 mm	32 mm	20 mm	16.5–16 mm	32 mm	20 mm	17–16.5 mm
Field of View (1000 Yards)	110′ (60 mm)	126′ (66 mm)	97–53′	110′	128′	115–55′	110′	126′	97–53′	110′	128′	115–55′
Close Focus	20.0′	20.0′	(82 mm scopes use	16.4′	(88 mm scopes use		20.0′			16.4′		
Weight	25.9 oz	36.0 oz	this same eyepiece).	49.6 oz	this same eyepiece).		52.5 oz			54.7 oz		
Length	12.3″	12.0″		12.0″			15.1″			13.0″		

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Leica Spotting Scopes

Leica limited lifetime warranty plus Leica's 3-year Passport Protection Plan.

Televid APO

Good things come to those who wait—Leica now rewards its customers with the Televid APO spotting scope. Starting with a six percent increase in light yield, the result is a distinctively clear image even while viewing in low light conditions. The four-part objective lens maximizes color fidelity and resolution. Leica's protective layer of AquaDura® guarantees the beautiful images will not be diminished by annoying fingerprints, dirt, or rain.

Televid Digital Camera Adapter 3

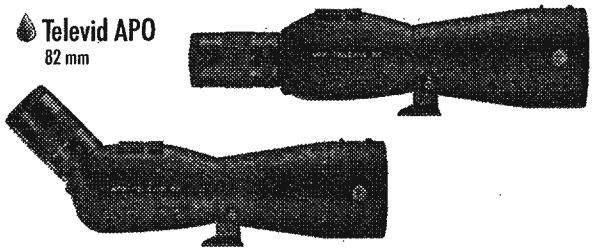
Leica's camera adapter securely holds most digital point-and-shoot cameras to the Televid's eyepiece to capture photographic details not available with a camera's normal zoom magnification. Designed for either the 65 mm or 82 mm Televid models.

Televid 25–50x Eyepiece

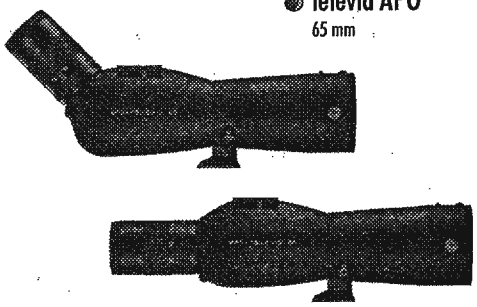
Prepare for a new viewing experience when you lock this eyepiece on the Televid APO. A redesigned optical system means the superb wide-angle and variable zoom magnification provided by the eyepiece remains the same on the 65 mm and 82 mm scope. The eyepiece is constructed with a comfortable adjustable eyecup and rubberized elements for easy handling.

Leica AquaDura Coating

A new development from Leica, the AquaDura coating reduces fogging and allows moisture droplets and dirt to simply roll off the lenses. This ensures clear visibility through every Televid spotting scope—even in the wind and rain.



Televid APO
82 mm



Televid APO
65 mm

Interested in digiscoping? Call us at 800-289-1132 or visit eagleoptics.com for information.

	Televid 65 mm	Televid 82 mm
Eyepiece	25–50x	25–50x
Eye Relief	19 mm	19 mm
Field of View (1000 Yards)	123–84'	134–92'
Close Focus	9.8'	12.8'
Weight	38.8 oz	47.7 oz
Length	11.8"	12.8"

Televid APO Features: Fluoride glass, fully multi-coated, BaK-4 prisms, dual focus, magnesium body, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), AquaDura® external lens coating. **Included:** Eyepiece cap and case, objective lens cover. Straight or angled body.

Leupold Spotting Scopes

Leupold warranty varies with model.

Golden Ring

Key to the popularity of Leupold Golden Ring spotting scopes is the absolute ruggedness and lightweight construction. This compact line of scopes is perfect for lovers of the outdoors who can't be slowed down by heavy equipment.

Golden Ring Features: High-definition glass (HD) on select 60 mm models, fully multi-coated, rubber armor, eyecup rolls, waterproof, fogproof (nitrogen gas). **Included:** View-through case. Leupold full lifetime warranty.

GR Boone & Crockett

Hunters and birders alike appreciate the HD technology offered by this edition of the Golden Ring scope. Flourite-based lenses ensure top clarity and the XT Lens coatings optimize light transmission for extended viewing at dawn and dusk.

Boone & Crockett Features: High-definition glass (HD models), fully multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Straight body and 20–60x zoom eyepiece. Leupold full lifetime warranty.

LEUPOLD
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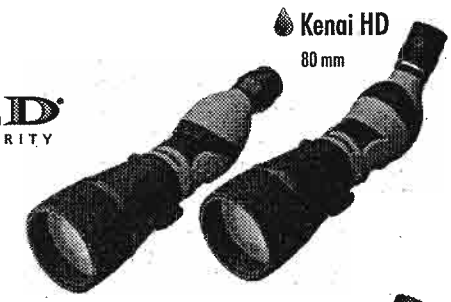
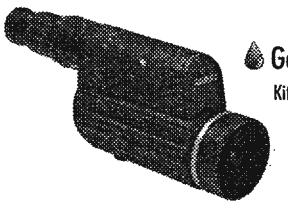
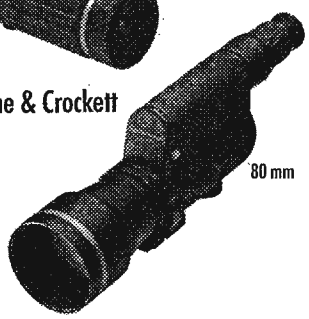


Kenai HD
80 mm

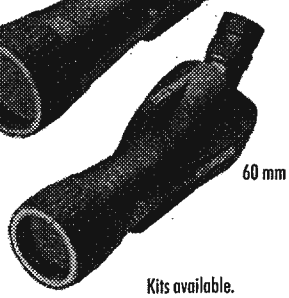


Golden Ring
Kits available.



GR Boone & Crockett
NEW
80 mm

SX-1 Ventana
NEW
80 mm



60 mm
Kits available.

	Golden Ring 60 mm	Golden Ring 80 mm	Kenai HD 80 mm		SX-1 Ventana 60 mm	SX-1 Ventana 80 mm
Eyepiece	12–40x	20–60x	30x	25–60x	15–45x	20–60x
Eye Relief	30 mm	30 mm	18.5 mm	17.4–17.9 mm	26.7–24 mm	26.4–24 mm
Field of View (1000 Yards)	168–52'	121–42'	126'	94–52'	121–63'	89–47'
Close Focus	36.0'	25.0'	11.8'	11.8'	13.8'	24.9'
Weight	37 oz	61.8 oz	58.5 oz	58.5 oz	30.6 oz	37.0 oz
Length	12.4"	15.5"	14.0"	14.0"	13.5"	17.0"

Meopta Spotting Scopes

Meopta lifetime transferable warranty.

Meostar S1 75

Built upon a long tradition of optical excellence, the Meostar lives up to the company's motto, "A better view of the world". With a 75 mm objective lens, the Meostar gives you the best of both worlds—good light gathering capability and a weight of around only 40.5 ounces. The rugged aluminum alloy, carbon fiber body and the waterproof, fogproof optics provide long-lasting protection. Fully multi-coated lenses and phase-corrected prisms add clarity to the fine details.

Meostar SI S75 APO

For just a little more money, you'll receive the benefit of apochromatic (APO) glass in your Meostar scope. The premium-grade fluorite glass provides ultimate light transmission, image clarity, and color resolution for superior image quality.

Meostar S1 75 Features: Fully multi-coated, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Objective lens caps. Straight or angled body with standard or APO glass. Eyepieces sold separately.

Meostar S1 75 75 mm		
Eyepiece	30x	20–60x
Eye Relief	15 mm	15 mm
Field of View (1000 Yards)	114'	102–52'
Close Focus	14'	14'
Weight	40.6 oz*	*APO models weigh 45.7 ounces and measure 14.4 inches.
Length	13.8"	

	MD 88 88 mm
Eyepiece	20–60x
Eye Relief	22–20 mm
Field of View (1000 Yards)	126–57'
Close Focus	23.0'
Weight	73.0 oz
Length	16.3"

Minox Spotting Scopes

Minox lifetime transferable warranty.

Minox MD 88

The brains behind the creation of the spy camera, Minox gives you the ultimate scope for spying on nature near and far. Minox engineers its MD 88 with a premium optical system featuring apochromatically corrected (APO) glass and fully multi-coated lenses.

MD Features: Apochromatic (APO) glass, fully multi-coated, rubber armor, helical focus ring, dual focus, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Angled body.

Leupold Spotting Scopes continued...

SX-1 Ventana

Your eye surveys the sleek and industrial design of the Leupold SX-1Ventana, reviews the superior optical features, and stops at the budget-conscious price. Leupold packs the SX-1 Ventana with a multi-coated lens system for optimal light transmission and waterproof and fogproof protection for unpredictable weather conditions.

VSX-1 Ventana Features: Multi-coated, rubber armor, eyecup twists, waterproof, fogproof (nitrogen gas). **Included:** Case, eyepiece cap, objective lens cap. Straight or angled body with zoom eyepiece. Leupold limited lifetime warranty.

Kenai HD

Talk about versatile! Leupold includes both the 30x wide angle and 25-60x zoom eyepieces to provide you excellent flexibility. Add to this the high-performance optics, tough industrial design, and attractive price of the Kenai HD, and you have a spotting scope that is up to the challenge of all your adventures.

Kenai Features: High-definition (HD) glass, fully multi-coated optics, helical focus, magnesium body, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** 25–60x and 30x eyepieces. Straight or angled body. Limited lifetime warranty.

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Nikon Spotting Scopes

Nikon 25-year limited warranty, plus a No-Fault Repair or Replacement Policy.

ED Fieldscopes

Nikon Fieldscopes ace the class when it comes to size, performance, and value. Perfectly sized, the petite 50 mm spotting scope tops the list for an excellent performer when size matters. The 25–75x82 Fieldscope offers tremendous magnification and monstrous light-gathering power. But if your spotting scope needs to fall between the small 50 mm and mighty 82 mm, Nikon's 20–60x60 scope is the answer. Incorporated in all of these Fieldscopes is Nikon's ED glass to deliver distinctive edge-to-edge sharpness with first-rate detail and color resolution. Adding to the overall image quality, the precisely cut and polished glass is fully multi-coated to allow for optimal light transmission.

Fieldscope Features: Extra-low dispersion (ED) glass, fully multi-coated, eyecup twists, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Straight or angled body with zoom eyepiece.

EDG

Never afraid to chart new territory, Nikon engineers take the Fieldscope performance to new levels with the EDG. With the same ED glass lenses found on the successful EDG binocular, the EDG spotting scope rewards you with superior sharpness and color correction for top-notch resolution. Precisely cut and polished glass is fully multi-coated for brilliant views. The tough, yet lightweight body is waterproof, fogproof, and ready for any adventure.

Nikon's EDG eyepieces deliver unbelievable colors and bright, high-contrast images—ideal for close study.

EDG Spotting Scope Features: Extra-low dispersion (ED) glass, fully multi-coated, rubber armor, eyecup twists, rotating tripod ring, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps. Straight or angled body with 65 mm or 85 mm objective lens.

ProStaff

See for yourself why customers say, "Wow" when they first look through the Prostaff. Describing the view as bright doesn't do the Prostaff justice. Nikon uses lead and arsenic-free Eco-Glass for high resolution images and fully multi-coated optics for increased light transmission. With the magnifications offered by the 20–60x zoom eyepiece, the 82 mm objective lens gathers plenty of light in the forest and delivers distant details on the plains. Cut weight, but not performance, and carry the lightweight 65 mm ProStaff. Both sizes are built tough to handle rugged situations.

Prostaff Features: Multi-coated optics, BaK-4 prisms, eyecup twists, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** View-through case, eyepiece and objective lens caps. Straight or angled body with zoom eyepiece.

Prostaff Outfits Include: Outfit includes a straight, black ProStaff spotting scope body, zoom eyepiece, view-through carry case, and a full-size tripod. 65 mm or 82 mm (82 mm also available in Realtree camouflage).

	EDG Series		Fieldscope ED Series			Prostaff Series	
	65 mm	85 mm	50 mm	60 mm	82 mm	65 mm	82 mm
Eyepiece	16–48x	20–60x	13–30x	20–60x	25–75x	16–48x	20–60x
Eye Relief	18.4–16.5 mm	18.4–16.5 mm	12.9 mm	14.1 mm	14.1 mm	15-13.6 mm	15-13.6 mm
Field of View (1000 Yards)	147.0–73.5'	115.5–57.8'	157.5'@25x	105'@ 25x	84'@25x	126-62'	99-49.9'
Eyepiece Item #							
Close Focus	10.8'	16.4'	9.8'	16.4'	16.4'	13.1'	20.0'
Weight	57.9 oz	71.6 oz	21.9 oz*	43.7 oz*	64.2 oz*	32.8 oz	43.2 oz
Length	16.2"	18.8"	8.1"	10.9"	13.3"	11.5"	15.0"

*Weight for angled body with zoom.

Pentax Spotting Scopes

Pentax Worry-Free lifetime warranty.

PF ED

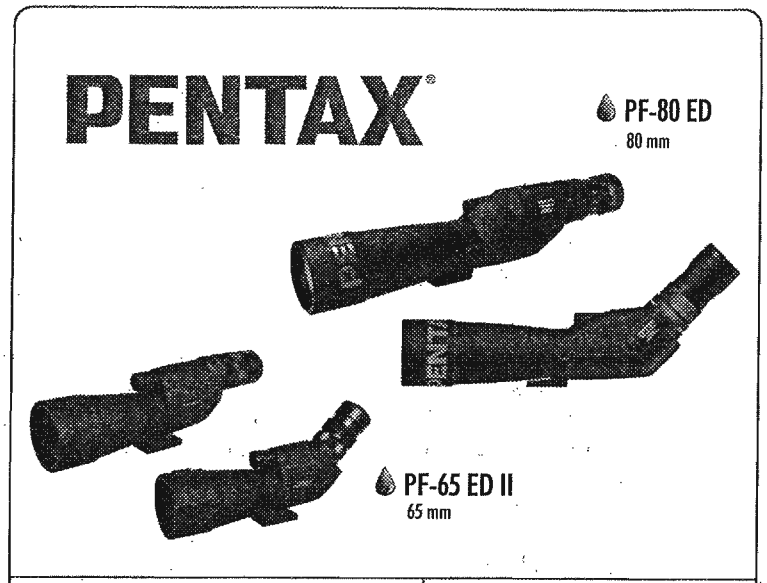
Pentax's popular line of spotting scopes offers high performance at an affordable price. Housed in a lightweight magnesium-alloy body, the Pentax ED offers optimum optical resolution by incorporating extra-low dispersion (ED) glass. With fully multi-coated lenses, light transmission is maximized for clarity and contrast of details.

The PF-80 ED gathers a great amount of light to provide you with details of shorebirds or big game. When you want the optical excellence of Pentax in a portable package, the PF-65 ED II is the size for you. All of these scopes are available with or without a zoom eyepiece and will accept a variety of 1.25 inch astronomical eyepieces.

PF-80 ED and PF-65 ED II Features: Extra-low dispersion (ED) glass, fully multi-coated, BaK-4 prisms, magnesium alloy body, eyecup twists, rubber armor, sunshade, waterproof, fogproof (nitrogen gas). **Included:** View-through case, objective lens cap. Straight or angled spotting scope body.

Pentax Premium Eyepieces

Expand the capability of your Pentax scope beyond the versatile Pentax SMC zoom eyepiece with the XW fixed power eyepieces. All of the eyepieces from Pentax are fully multi-coated, contain high-quality glass elements, and offer generous eye relief.



PF-80 ED Scope 80 mm				
Eyepiece Item#	SMC Zoom Package	#XW20	#XW14	#XW10
Eyepiece	21–63x	276x	36x	50x
Eye Relief	22–18 mm	20 mm	20 mm	20 mm
Field of View (1000 Yards)	99–51'	141'	105'	76'
Close Focus	19.0 '			
Weight	56.4 oz*	*Straight scope magnifies from 20–60x,		
Length	16.3"*	is 15.6" long and weighs 49.4 oz.		

PF-65 ED II Scope 65 mm			
Zoom (not sold separately)	#XW20	#XW14	#XW10
20–60x	19.5x	28x	39x
11–15 mm	20 mm	20 mm	20 mm
117–51'	183'	132'	93'
16.4'			
37.7 oz*	*Straight scope weighs 37.0 oz.		
10.6"			

Spotting Scope Accessories

www.eagleoptics.com/spotting-scope-accessories

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Swarovski Spotting Scopes

Swarovski limited lifetime warranty.

A passion for precision describes the level of quality Swarovski incorporates into its spotting scopes. From the razor-sharp images to the day-to-day functionality, customers love their Swarovski scope.

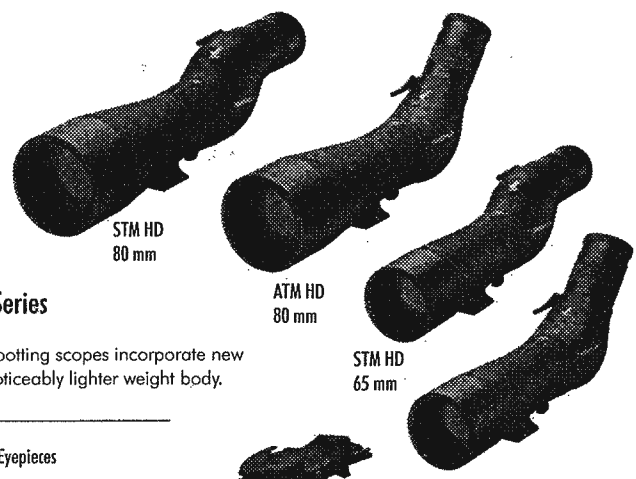
HD or Standard Glass

The HD scopes use fluoride-containing lenses to minimize color fringing, offer sharp, high-contrast images, and benefit digiscoping results. Fully multi-coated, Swarotop lenses optimize light transmission for the brightest view. You'll find the Swaroclean coating keeps your view clear as it works to repel water and residue. An excellent close focus allows you to scope even in the backyard. Standard glass scopes are budget friendly, lighter in weight, and offer good light transmission.

65 mm or 80 mm Body

Swarovski lightened up the ATM and STM scopes using state-of-the-art magnesium technology in the scope bodies. Just like ounces, every millimeter of the objective lens counts as the scope gathers light. Digiscopers and observers glassing at long distances will benefit from the 80 mm objective lens. Swarovski excellence still shines through the images delivered by the 65 mm, and the smaller lens size is about 1/2 pound lighter.

SWAROVSKI OPTIK



The Swarovski Series

Swarovski's latest ATM / STM spotting scopes incorporate new magnesium technology for a noticeably lighter weight body.

Swarovski Spotting Scope Eyepieces

Eyepiece	30x WA	45x WA	20–60x	25–50x
Eye Relief	20 mm	18 mm	17 mm	17 mm
Field of View (1000 Yards)	126'	84'	108–60'	126–81'
Close Focus	65 mm ATM	34.2 oz (36.0 oz for HD) 12.0"		
Weight*	80 mm ATM	43.4 oz (45.2 oz for HD) 14.0"		
Length				

*Weight given for angled models.

Digiscoping adapters available at www.eagleoptics.com.

ATM/STM Spotting Scope Features: Fully multi-coated, BaK-4 prisms, rubber armor, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (nitrogen gas), Swaroclean® external lens coating. **Included:** Tethered eyepiece cover, objective lens cover. Eyepieces sold separately.

Spotting Scope Rail

Swarovski's new spotting scope rail employs a two-position support to stabilize the scope for vibration-free viewing and digiscoping. Designed to balance the scope with camera equipment attached, this rail also allows the scope to sit upright on a flat surface when not attached to a tripod. Easy to use, the rail features quick attach and release mechanisms and slides into place with the push of a button.

Swarovski DCA

Switching from observation to digiscoping is a breeze with the Swarovski DCA. Part of the adapter stays on the zoom eyepiece of your Swarovski scope and the other attaches to the filter threads of your digital camera. Call Eagle Optics or check our web site for complete details.

	Razor HD 85 mm		Viper HD 65 mm	Viper HD 80 mm	Nomad 60 mm
Eyepiece	20–60x	30x	15–45x	20–60x	20–60x
Eye Relief	20–18 mm	18 mm	18 mm	18 mm	17–14 mm
Field of View (1000 Yards)	117–60'	112'	140–65'	110–50'	114–51'
Close Focus	16.4'	16.4'	16.0'	22.0'	20.0'
Weight	65.7 oz		48.5 oz	59.5 oz	36.1 oz
Length	15.3"		15.8"	17.5"	13.2" **

**Angled body length.

Vortex Spotting Scopes

Vortex VIP unconditional lifetime warranty.

Razor HD

Exceeding performance expectations in this price range, you are sure to appreciate the Vortex HD system that enhances resolution, brightens image details, and delivers a distortion-free, edge-to-edge sharpness. The compact, magnesium-alloy body decreases weight and increases durability. A large 85 mm objective lens maximizes the available light at dawn or dusk.

Razor HD Features: Premium high-density (HD) glass, fully multi-coated, BaK-4 prisms, magnesium alloy body, dual focus, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (argon gas), ArmorTek® external lens coating. **Included:** Lens caps, view-through case, 20–60x eyepiece, 85 mm straight or angled body. 30x eyepiece also available.

Viper Series

Whether you are hitting mountain paths or wide-open plains, the Viper brings you outstanding long-range viewing—featuring Vortex proprietary XR anti-reflective coatings. With all the choices in this line, there's sure to be a Viper for you.

HD or Standard XD Glass

Viper spotting scopes with XD extra-low dispersion glass deliver sharp, crisp images. For even more impressive color fidelity and resolution, choose an HD model with extra-low dispersion glass.

65 mm or 80 mm Body

Choose from two Vipers to meet your needs. The 65mm weighs less, but will still impress. For viewing at greater distances, the 80mm body captures the scene beautifully.

Viper Features: Choice of high-density (HD) or extra-low disperson (XD) glass, fully multi-coated (XR coatings), magnesium alloy body, dual focus, eyecup twists, sunshade, rotating tripod ring, waterproof, fogproof (argon gas), ArmorTek® external lens armor. **Included:** Picatinny accessory rail, lens caps, view-through case, choice of 15–45x 65 or 20–60x80 models with straight or angled body. Fixed 25x / 32x eyepiece also available (magnification varies with use in 65 mm or 80 mm body).

Nomad

Bench shooters, hunters, birders, and researchers have all come to value the solid results of the compact Nomad spotting scope. The Nomad is a strong performer at an economical price—you won't leave home without it!

Nomad Features: Fully multi-coated, BaK-4 prisms, multi-position eyecup, polycarbonate body, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** Eyepiece and objective lens caps, view-through case, 20-60x eyepiece. Straight or angled body.

Digital Camera Adapter is Easy to Use

Capture vivid photos with any Razor or Viper spotting scope and a DSLR camera. Add the optional PS-100 Point-n-Shoot attachment to the adapter and you'll be able to digiscope with most point-and-shoot digital cameras.

This digital camera adapter is available for both Razor HD and Viper spotting scopes.

PS-100 Attachment

Use the optional PS-100 attachment for digiscoping with point-and-shoot digital cameras.

GlassPAK Tripod Carrier

Here's a simple solution to carrying your tripod in the field. Wide, easy-to-use straps attach the GlassPAK to tripod legs. Stash your field guide in the zippered pocket, slip on the padded shoulder straps, and move on down the trail.

Recon Mountain Scope

Just about the size of your hand, the unique Recon Mountain scope provides brilliant optical performance. Conveniently attaches to a belt for easy access.

Recon Features: XD extra-low dispersion glass, fully multi-coated, phase corrected, eyecup twists, rubber armor, waterproof, fogproof (nitrogen gas), ArmorTek lens coating. **Included:** Uni-Daptor tripod adapter, Rain/dust hood, tethered objective lens cover, utility clip, mini tripod.

	Recon 50 mm
Eyepiece	15x
Eye Relief	16mm
Field of View (1000 Yards)	215'
Close Focus	12'
Weight	15.2 oz
Length	7.0"

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Zeiss Spotting Scopes

Zeiss limited lifetime transferable warranty.

Zeiss Diascopes

Cutting edge inventions are nothing new for Zeiss and its new generation Diascope houses the latest focusing technology. Zeiss introduces a dual speed focus within a single knob that automatically adapts the precision and fast focus to your needs. The optical excellence of the Diascope centers on the fluoride glass and multi-layer lens coatings that provide impressive brightness and contrast for images with little to no color fringing. With the protective LotuTec lens coating, your scope will shed water and dirt for unobstructed glassing.

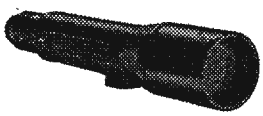
The 85 mm Diascope offers excellent light gathering ability in low light conditions and over long distances. The compact size of the 65 mm Diascope size is a benefit when you need to carry your equipment for long periods of time.

Diascope Features: Fluoride glass, fully multi-coated T* coatings, BaK-4 prisms, dual focus, sunshade, rotating tripod ring, waterproof, fog proof (nitrogen gas), LotuTec® external lens coating. **Included:** Eyepiece and objective lens covers. Straight or angled with 65 mm or 85 mm body. Eyepieces sold separately.

Dialyt Field Spotter

Compact and easy to handle, the design of the Zeiss Dialyt Field Spotter allows you to quickly get your target in focus when there is no time to spare. Premium Zeiss optics incorporate multi-layer lens coatings for a high light transmission that results in bright and sharp images. The helical focus ring surrounds the objective lens while a built-in variable eyepiece allows for 18-45x magnification. Waterproof and fogproof, the Dialyt body is protected with durable rubber armor.

Dialyt Features: Fully multi-coated, rubber armor, waterproof, fogproof (nitrogen gas). **Included:** 18-45x eyepiece, 65 mm body, tethered eyepiece and objective lens covers, shoulder strap.



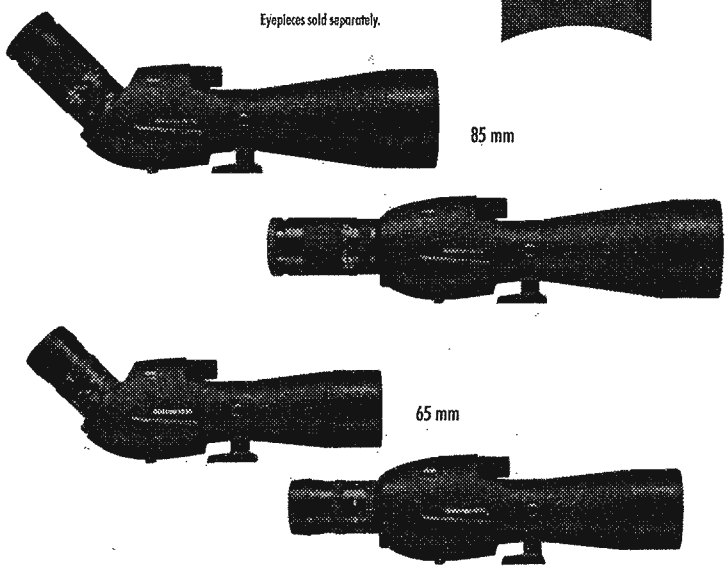
NEW

	Dialyt 65 mm
Eyepiece	18–45x
Eye Relief	19 mm
Field of View (1000 Yards)	120–69'
Close Focus	32.8'
Weight	42 ounces
Length	15.6"

ZEISS

Diascopes

Eyepieces sold separately.



Diascope Series

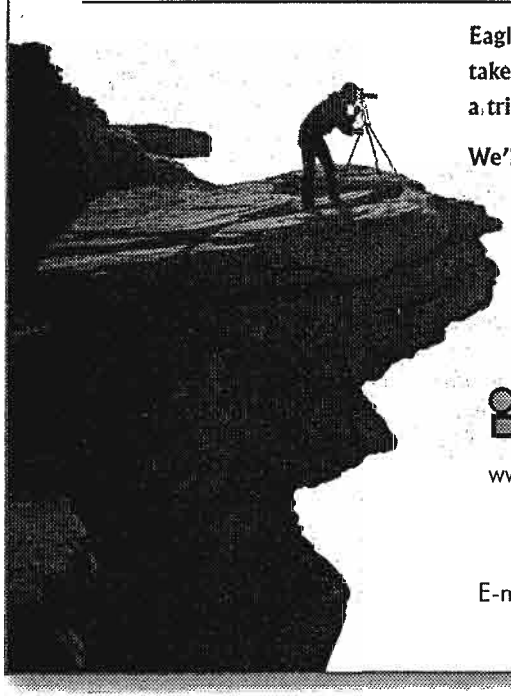
	85 mm			65 mm		
Eyepiece	40x	20–60x	20–75x	30x	15–45x	15–56x
Eye Relief	18 mm	16 mm	16 mm	18 mm	16 mm	16 mm
Field of View (1000 Yards)	120'	129–60'	120–48'	120'	168–72'	156–63'
Close Focus	16.3'	16.3'	16.3'	13.1'	13.1'	13.1'
*Weight	59.8 oz	63.7 oz	63.7 oz	46.8 oz	50.7 oz	50.7 oz
*Length	13.6"	13.6"	13.6"	11.8"	11.8"	11.8"

Weight includes scope body and eyepiece. Length is given for the scope body only.

Call us with Zeiss digiscoping questions.

1-800-289-1132

Tripod Questions? Let us help!



Eagle Optics knows tripods and takes the guesswork out of selecting a tripod that will work for you!

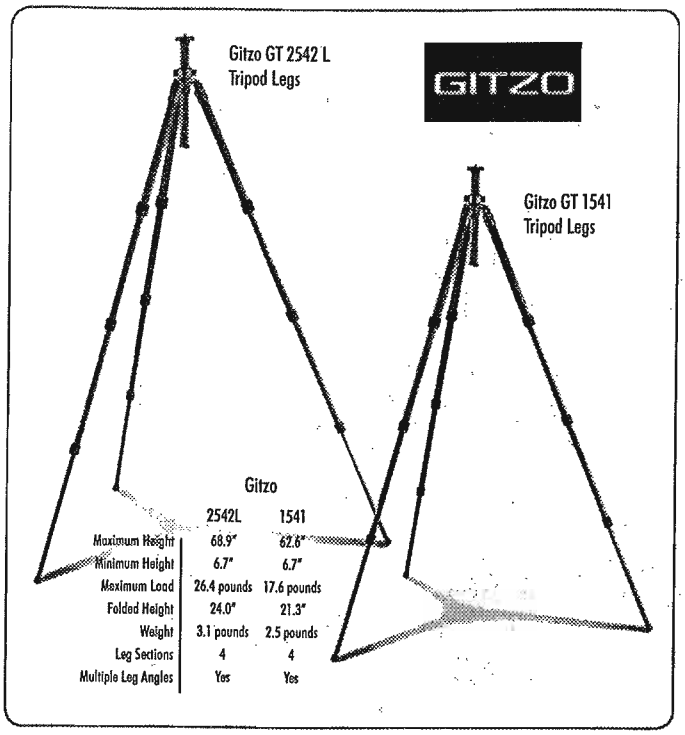
We'll help you decide on:

- **Portability**
- **Durability**
- **High Performance**
- **Value**

Check out our video, **Finding the Right Tripod**, on www.eagleoptics.com.

Call: 1-800-289-1132

E-mail: info@eagleoptics.com



Gitzo	2542L	1541
Maximum Height	68.9"	62.8"
Minimum Height	6.7"	6.7"
Maximum Load	26.4 pounds	17.6 pounds
Folded Height	24.0"	21.3"
Weight	3.1 pounds	2.5 pounds
Leg Sections	4	4
Multiple Leg Angles	Yes	Yes

The G 2180 Tripod Head

Gitzo engineering puts this compact, low-profile tripod head in a class of its own. The ergonomic design of the G2180 tripod head provides smooth, refined handling. Muted colors and surfaces won't reflect light and give your position away to the wildlife you are watching.

Gitzo 2180 Tripod Head

G 2180 Head Features: Quick release plate, counterbalancing head. Weighs 1.2 pounds. Low profile of 3.3 inches. 8.8 pound load-bearing capability.

ManfrottoTripods

Manfrotto provides a 2-year limited warranty plus an additional 3-year warranty with online registration.

The MK394-H Tripod Kit

Travelers needing a reliable tripod that easily packs into a suitcase for carrying long distances need look no further. The aluminum legs of the MK394-H fold to a compact, lightweight size yet extend to 56.3 inches. Topping off the legs is an aluminum three-way head with a short handle for easy panning.

MK394-H Features: Aluminum legs, flip lever leg locks, multiple leg angles, reversible center column, 3-way head with separate pan and tilt locks. **Included:** Quick-release plate, carry bag.

The 055 XB Tripod Legs

Portable enough to take out in the field, the aluminum 055 XB is strong enough to support digital cameras, spotting scopes, and binoculars.

055 XB and 190 XB Features: Aluminum legs, lever leg locks, leg wraps, multiple leg angles, reversible center column, low angle adapter.

The 190 XB Tripod Legs

Redesigned, the 190 XB is a lighter, more compact tripod with improved ergonomics of the leg angle release mechanism and quick-action leg locks. Leg angle presets increase stability on uneven terrain.

The 128 RC Micro Fluid Tripod Head

Our most popular Manfrotto head features excellent smooth fluid action and easy control when viewing.

128 RC Features: Quick-release plate. Weighs 1.9 pounds. Low profile of 4.6 inches. 8.9 pound load-bearing capability.

Gitzo Tripods

Gitzo limited lifetime warranty.

The GT 2542 L Tripod Legs

Expect optimum performance from this four-section tripod. T he magnesium upper casting reduces weight and provides solid support for spotting scopes, binoculars, and digital cameras. An ultra-low leg spread takes full advantage of Gitzo's Ground Level Set so you can remove the center column and take low-angle photographs.

GT 2542 Features: Carbon fiber legs, collar leg locks, multiple leg angles, reversible center column, weight hook.

The GT 1541 Tripod Legs

Ever since Gitzo launched the Mountaineer tripod series in 1994, the standard for performance has remained high—and the Gitzo 1541 tripod legs are no exception. Updated casting with three leg positions makes these compact tripod legs even more desirable.

GT 1541 Features: Carbon fiber legs, collar leg locks, multiple leg angles, reversible center column, weight hook.

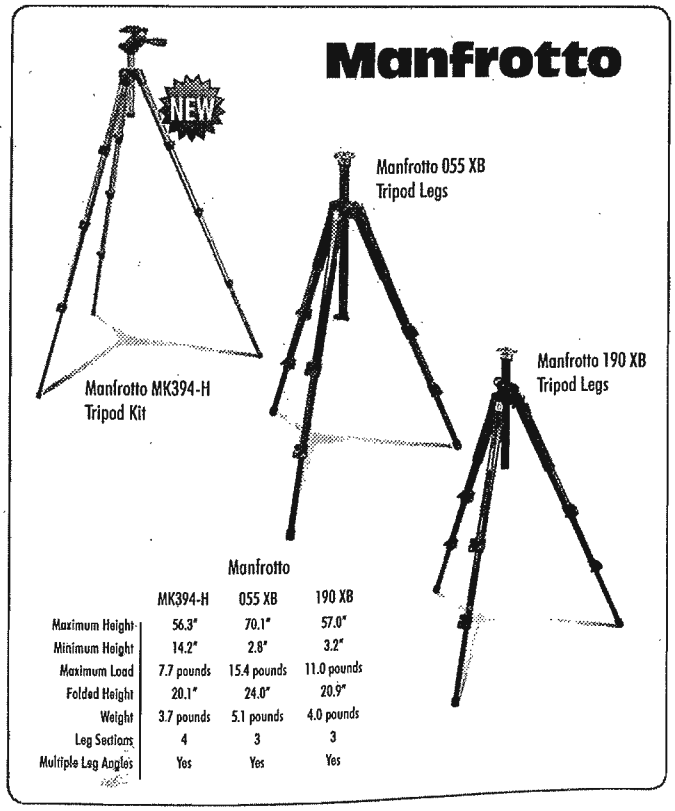
Gitzo Birdwatching Tripod Heads

Here's an exceptionally lightweight tripod head—specifically designed for following the action of birds. Fluid cartridges guarantee exceptionally smooth and controlled manuevering for tracking at a long distance and close to friction-free repostioning when the action speeds up. Once the bird settles in one spot, a single large control knob makes it a cinch to make pan and tilt adjustments to the head positon or lock it into position without any give or play.

Birdwatching

GH1720 QR Birdwatching Head Features: Quick release plate. Weighs 1.1 pounds. Low profile of 3.6 inches. 8.8 pound load-bearing capability.

GH2720 QR Birdwatching Head Features: Quick release plate. Weighs 1.5 pounds. Low profile of 4.2 inches. 13.2 pound load-bearing capability.



Manfrotto	MK394-H	055 XB	190 XB
Maximum Height	56.3"	70.1"	57.0"
Minimum Height	14.2"	2.8"	3.2"
Maximum Load	7.7 pounds	15.4 pounds	11.0 pounds
Folded Height	20.1"	24.0"	20.9"
Weight	3.7 pounds	5.1 pounds	4.0 pounds
Leg Sections	4	3	3
Multiple Leg Angles	Yes	Yes	Yes

Swarovski Tripods

Swarovski provides a 1-year warranty.

Swarovski CT Travel Carbon Fiber Tripod Legs

Travel-size tripods are a must for the explorer on the move. With the addition of basalt composite to the already strong carbon fiber construction, the CT Travel Tripod provides excellent rigidity and increased vibration dampening. Weighing in at only 3.1 pounds and collapsing to under 20 inches, this travel tripod takes no effort to pack for all of your adventures.

CT Travel Legs Features: Carbon fiber legs, flip-up lever leg locks, leg wraps, multiple leg angles, reversible center column, weight hook.

Swarovski CT 101 Tripod Legs

Top strength is wrapped up in this lightweight, sturdy tripod. Just right for long hikes and tough climbs, Swarovski's CT 101 won't weigh you down. The two-stage tripod legs and flip-up leg locks adjust quickly and silently.

CT 101 Features: Carbon fiber legs, lever leg locks, leg wraps, multiple leg angles, reversible center column.

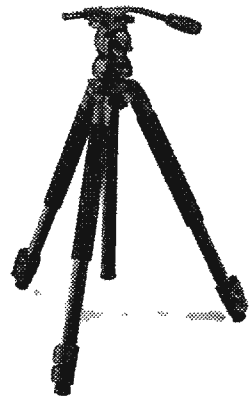
Swarovski DH 101 Tripod Head

Swarovski designed the DH 101 tripod head with a five-tooth locking system to provide decreased movement after setup and greater stability for your spotting scope. The tripod head plate provides easy, one-handed mounting, and equipment now automatically locks into position to guard against accidental release. Digiscopers are sure to appreciate the integrated leveler and everyone quickly realizes the advantages of the one-handed access to both pan and tilt controls.

DH 101 Features: Quick-release plate. Weighs 1.2 pounds. Low profile of 4.7 inches. 10.9 pound load-bearing capability.

Swarovski CT Travel Tripod with DH101 Tripod Head

Vortex Pro GT Tripod



Swarovski CT 101 Tripod with DH101 Tripod Head

Vortex Shooting Stand

	Swarovski		Vortex	
	CT Travel	CT 101	Pro GT	Shooting Stand
Maximum Height	71.6"	71.6"	63.0"	13.3"
Minimum Height	15.0"	15.0"	23.0"	10.8"
Maximum Load	10.9 pounds	10.9 pounds	9.0 pounds	5.0 pounds
Folded Height	24.4"	27.5"	24.5"	13.2"
Weight	3.1 pounds	3.3 pounds	5.8 pounds	1.5 pounds
Leg Sections	4	3	3	1
Multiple Leg Angles	Yes	Yes	Yes	—

Vortex Tripods

Vortex provides a 3-year limited warranty.

Vortex Pro GT

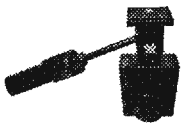
Surprisingly affordable, the Pro GT provides solid support for spotting scopes. This tripod is an ideal choice if you're on a tight budget or need a reliable back-up tripod for your travels.

Pro GT Features: Aluminum legs, quick-release plate, lever leg locks, leg wraps, multiple leg angles.

Vortex Shooting Stand

Want to travel light? The Vortex Shooting Stand is ideal for watching wildlife from a picnic table on your deck or for fast setup. At just 1.5 pounds, you can easily take this aluminum Shooting Stand on any trail.

Car Window Mounts



Vortex Optics Car Window Mount

Use the Vortex Optics Car Window Mount to view wildlife from the comfort of your car. Mount your scope to the 1/4-inch tripod thread, and you're ready to go!

Manfrotto Car Window Mount Kit

No need to brave the outdoor elements with this Manfrotto car window mount kit. A perfect pairing, the Manfrotto 243 car window pod/clamp easily attaches to a car window and has a 3/8-inch attachment screw that connects to the Manfrotto 3-way 391RC2 tripod head. Equipped with a quick release plate, this head uses teflon pads to provide smooth pan and tilt movement.

Manfrotto Anti-Twist Spotting Scope Plate

Are you tired of your quick release plate coming loose in the field? Manfrotto designed the ingenious Anti-Twist Spotting Scope Plate to prevent unwanted rotation. Two rubber-padded bolts attach the 1/4-inch quick release plate to the bottom of most spotting scopes and keep your equipment secure. This plate will fit Manfrotto quick release tripod heads sold by Eagle Optics.

Questions about Digiscoping?

We're here to help you embark on this fascinating hobby! We not only have the equipment you need, but we give great guidance and tips to help you capture the photos you've been dreaming about.

What is digiscoping?

Digiscoping is a unique kind of photography using a digital camera and spotting scope. Now you can expand your ability to photograph the wonders of nature by putting your digital camera to work.

If you plan to invest in a spotting scope for digiscoping, the best results will come from high quality optical systems featuring High Definition (HD), Extra-low Dispersion (ED), Apochromatic (APO) glass, or Fluoride elements.

What do you *really* need for digiscoping?

Many people capture incredible images by simply holding their point-and-shoot digital camera up to the eyepiece of a spotting scope. Digital cameras that work for digiscoping have a 3–4x optical zoom and compact bodies. Using the appropriate adapter can steady your camera.

Here's just a sampling of what you'll find when you visit our Digiscoping Resource Section at www.eagleoptics.com/articles/digiscoping:

Equipment Choices

What Your Really Need for Digiscoping
Choosing a Quality Tripod for Success
Avoid the Number One Problem of New Digiscopers

How-to Techniques

Digiscope Better in Low Light
Digiscoping: the Key to Clarity
Digiscoping Fundamentals

Field Tips

How to Improve Your Field Craft
How to Get Closer to Wildlife
Digiscoping Dragonflies

EAGLE OPTICS

2120 W. Greenview Drive
Middleton, WI 53562

Questions?

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E-mail: info@eagleoptics.com
Fax: 608-836-4416

Hours

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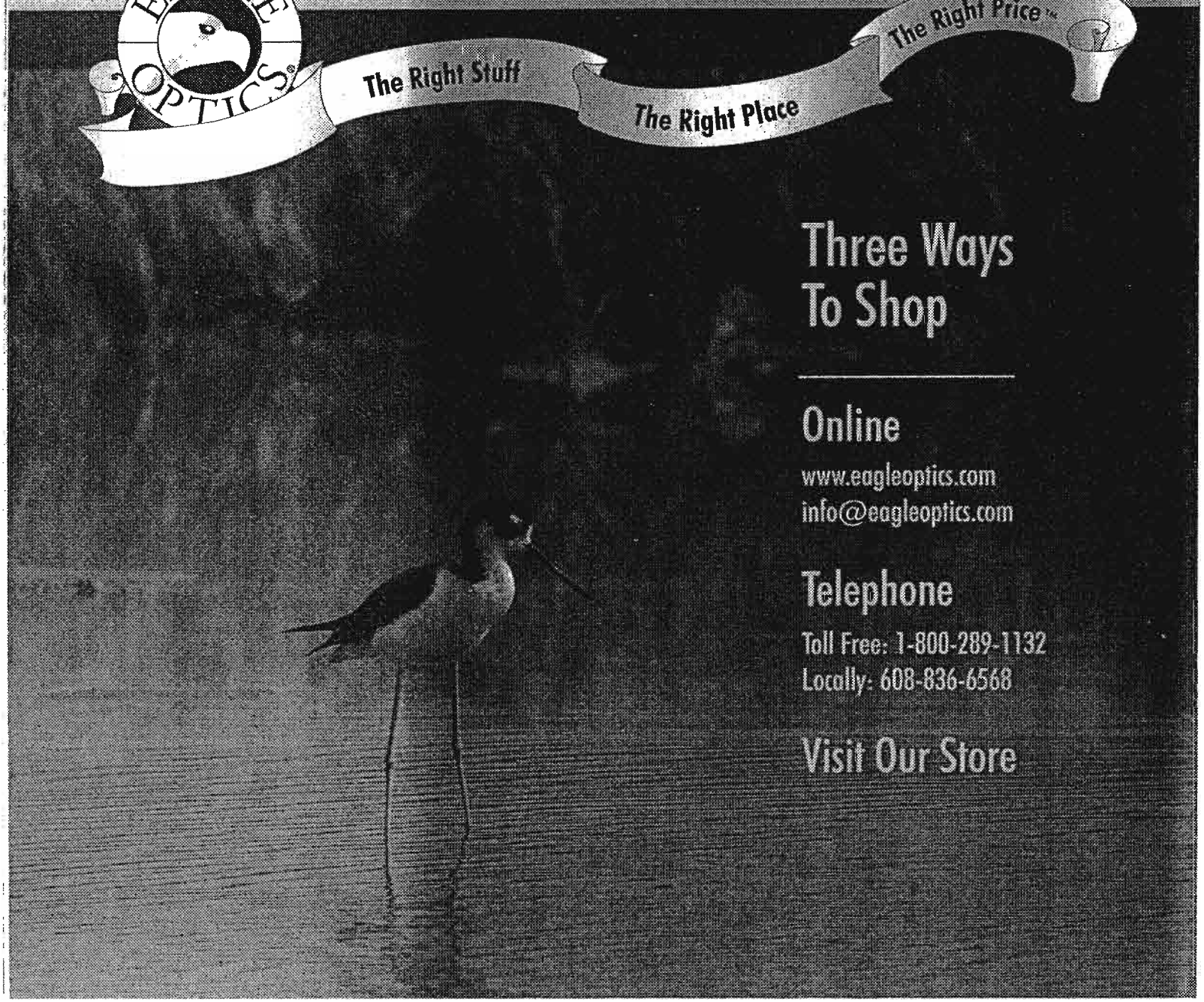

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Eagle Optics Ranger 8x42 Binocular
This Ranger's got dielectric prism coatings!
List Price: ~~$399.00~~
Our Price: $299.99
(181 Reviews)
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Eagle Optics Denali 8x42 Roof Prism Binocular
A rugged binocular with a wide field of view.
List Price: ~~$229.00~~
Our Price: $179.99
(60 Reviews)
Add to Cart

Eagle Optics Ranger 10x42 Binocular
This Ranger's got dielectric prism coatings!
List Price: ~~$409.00~~
Our Price: $309.99
(82 Reviews)
Add to Cart

Eagle Optics Ranger SRT 6x32 Binocular
The ultimate in close focus binoculars.
List Price: ~~$349.95~~
Sale Price: $179.99

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Magnification

All Magnifications
7.5x or Lower
8.0x to 9.0x
9.5x to 10.5x

Eye Glass Wearer?

Yes
No

Waterproof?

Any
Yes

Size

All Sizes
Compact
Full Size

Prices

All Prices
$0 - $200
$200 - $400
$400 - $800

Brands

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(20 Reviews)

Eagle Optics Ranger ED 8x42 Binocular
You need to see the Ranger ED!
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List Price: ~~$569.00~~
Our Price: $469.99
(24 Reviews)
Add to Cart

Eagle Optics Ranger 8x32 Binocular
This Ranger's got dielectric prism coatings!
List Price: ~~$389.00~~
Our Price: $289.99
(17 Reviews)
Add to Cart

Eagle Optics Shrike 8x42 Binocular
Be on the lookout with the Shrike!
List Price: ~~$149.00~~
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EXHIBIT 13
TO DECLARATION OF
DANIEL C. HAMILTON

TTAB

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

IN THE MATTER OF TRADEMARK REGISTRATION No. 2084361
REGISTERED: July 29, 1997

----------X
SHELTERED WINGS, INC.

Petitioner,

Cancellation No.

v.

NIKON, INC.

Registrant.
----------X

11-04-2002
U.S. Patent & TMOfc/TM Mail Rcpt Dt. #70

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PETITION FOR CANCELLATION

SHELTERED WINGS, INC. d/b/a EAGLE OPTICS, a Wisconsin corporatioin, having offices in Middletown, Wisconsin (hereinafter referred to as "Petitioner") hereby Petitions to cancel U.S. Trademark Registration No. 2084361 registered July 29, 1997 for the mark EAGLE VIEW in International Class 9 for use in connection with binoculars.

The grounds for cancellation are as follows:

1. Petitioner is mail order retailer and distributor of optical products, particularly, binoculars, telescopes and spotting scopes, and has used the service mark EAGLE OPTICS in connection with mail order services in the field of optical products since 1986. Examples of such servicemark usage is attached as Exhibit A.

DD

2. In 1996, Petitioner began to distribute and sell its own line of binoculars, telescopes and spotting scopes using the trademark EAGLE OPTICS. Examples of such trademark usage is attached as Exhibit B.

3. Registrant Nikon, Inc. is the owner of U.S. Trademark Reg. No. 2084361 registered July 29, 1997 for the mark EAGLEVIEW for binoculars. According to the registration, Registrant first made use of the mark EAGLEVIEW on November 30, 1996. The application which issued as U.S. Trademark Reg. No. 2084361 was filed under Section 1(b) of the Trademark Act on November 28, 1994, and thus Registrant's rights in its mark arose no earlier than November 28, 1994.

4. Petitioner's first uses of EAGLE OPTICS in 1986 and rights in the mark EAGLE OPTICS occurred long before the Registrant's filing date or first uses of EAGLEVIEW.

5. Petitioner has applied to register EAGLE OPTICS, U.S. Trademark application no. 78/029,311 filed October 5, 2000 for binoculars, telescopes and spotting scopes. Petitioner's application for registration has been refused registration under Section 2(d) of the Trademark Act based on the Examiner's conclusion that the Petitioner's mark EAGLE OPTICS is likely to be confused with Registrant's mark EAGLEVIEW.

6. Petitioner is being harmed by Registrant's U.S. Trademark Reg. No. U.S. Trademark Reg. No. 20843611 registered July 29, 1997 for the mark EAGLEVIEW registered July 29, 1997 for the mark EAGLEVIEW.

WHEREFORE, Petitioner prays that U.S. Trademark Registration No. 20843611 be cancelled.

A duplicate Petition for Cancellation is being filed herewith along with a check in the amount of $300.00

Petitioner hereby appoints Stephen P. McNamara, Registration No. 32,745 and Mark J. Speciner of the firm of St. Onge Steward Johnston & Reens LLC, 986 Bedford Street, Stamford, CT 06905-5619, to act as attorneys for Petitioner herein, with full power to prosecute this action, and to transact all relevant business with the Patent and Trademark office and in the United States Courts in connection with this Petition for Cancellation.

Respectfully submitted,

SHELTERED WINGS, INC.

Stephen P. McNamara
Attorney of the State of Connecticut

St. Onge Steward Johnston & Reens, LLC
986 Bedford Street
Stamford, CT 06905
Tel. No:(203) 324-6155
Fax No: (203) 327-1096

Certificate of Mailing: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Box TTAB Fee, Assistant Commissioner for Trademarks, 2900 Crystal Drive, Arlington, VA 22202-3513.

Date: November 1, 2002

Stephen P. McNamara

friend tells the story of how a flying squirrel made 147 unsuccessful attempts at jumping from a nearby tree to a hanging feeder. It fell to the ground each time. On the 148th attempt, however, it landed on the feeder correctly. From that time on, it never missed again.

The best solution for the problem, in our opinion, is to live *with* them by giving them what they want to eat at a tray feeder of your own. Properly stocked with whole or cracked corn, or other seeds, squirrels are content to leave your feeders alone.

Water is an essen holes, including already attract Harrisons re

e works on this miniature Sharp-

gh.
a house,
en path. He
e remodeled with a
ndows across the door-
And there, behind the windows, in the middle of the work week, was this guy with this big cigar hanging out of his mouth, sitting at a big desk with his feet up, whittling on a duck. I looked at my wife, and I pointed to him and said, 'That's for me. That's what I want to do.'

"It was the whole atmosphere. The idea that someone was making a living carving birds. I don't know for sure if he was or wasn't. But the situation just looked good to me."

went
arted carv-
pletely unfamil-
. His father carved
s he used for hunting. And
y friend, Harold Haertel, is a renowned carver. Though he has never been a hunter, Guge had tried his hand at a couple of decoys in his day. He enjoyed the carving, but it was certainly not an all-consuming interest, and it never occurred to him that it would one day be a full-time occupation.

Guge worked as a house painter for eight hours a day, coming home to carve for another eight. He kept to this intense routine for four years until he was sure he could support his growing family by selling his carvings.

Now, at age 36, Guge's carvings have earned three World-Class titles at the Ward Foundation's World Championship Wildfowl Carving Competition, in the Decorative Miniature Wildfowl category. At the 1988 show, he received second place in the Life-size category with "Juncos and Bittersweet." Each year since 1982 his carvings have been accepted at the prestigious "Birds in Art" exhibition of the Leigh Yawkey Woodson Art Museum in Wausau, Wisconsin.

Guge's techniques have reached a wider audience with his feature in Roger Schroeder's *How to Carve Wildfowl, Book 2*, and Stackpole Books' recent release of *Carving Miniature Wildfowl*, cowritten by Schroeder and Guge.

The setting for his life's work is a casual, country style, two-story Cape Cod home located next to his parent's house in his hometown of Carpentersville, Illinois. He lives there with his wife, Jody, daughter, Jordan, and sons, Seth, Joshua, Caleb, Asher, and Gabriel.

Just off the basement family room, Guge works in two small work-

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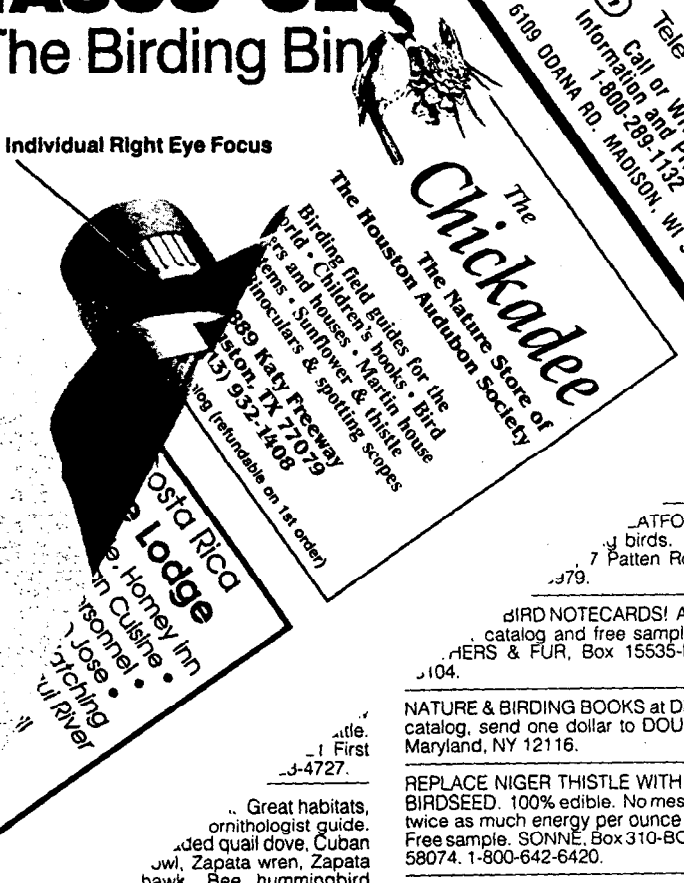

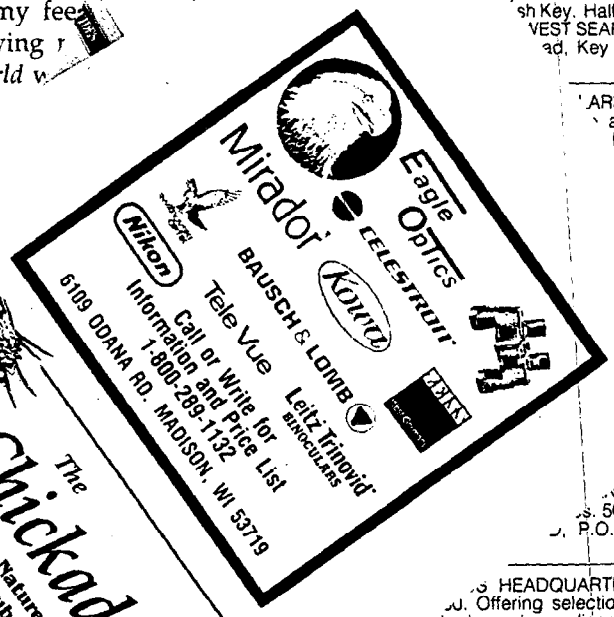

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towers is a major concern of researchers studying migrating birds. According to Sidney Gathreaux, an ornithologist at Clemson University in South Carolina, tall buildings, such as the Washington Monument and the Empire State Building, have always been sources of high mortality for birds that migrate at night.

"With the advent of high tech and very tall television and radio towers, the problem has become substantially greater," says Gathreaux.

For years, the United States Air Force has realized the attraction airport lights have on migrating birds. But Gathreaux made an interesting discovery—the birds seemed to ignore the runway strobe lights.

"It appears the birds are more attracted to the constantly burning lights at the level at which they were traveling," says Gathreaux. "It may be that light at the bird's eye level is the most important."

Light pollution is a major problem for migrating birds, but the problem is not insurmountable. A number of cities, such as San Diego, California, and Parsippany-Troy Hills, New Jersey, have established new zoning ordinances for street lighting. Some have put in more efficient lighting, using sodium lamps with special deflectors to aim the light at the street, where it is needed, and not at the sky.

Most of these measures were taken primarily to save energy or to make it easier for astronomers at nearby observatories to see into the nighttime sky, rather than to help birds. However, all of these steps will greatly help birds that migrate at night. Many more studies need to be conducted to determine exactly how light pollution affects birds and what can be done to minimize the problem. We all need the light, but we must be sure that we do not pay too dear a price for it.

Patricia Barnes-Svarney is a freelance writer/photographer who specializes in nature subjects. Her articles have appeared in a number of major regional and national publications.

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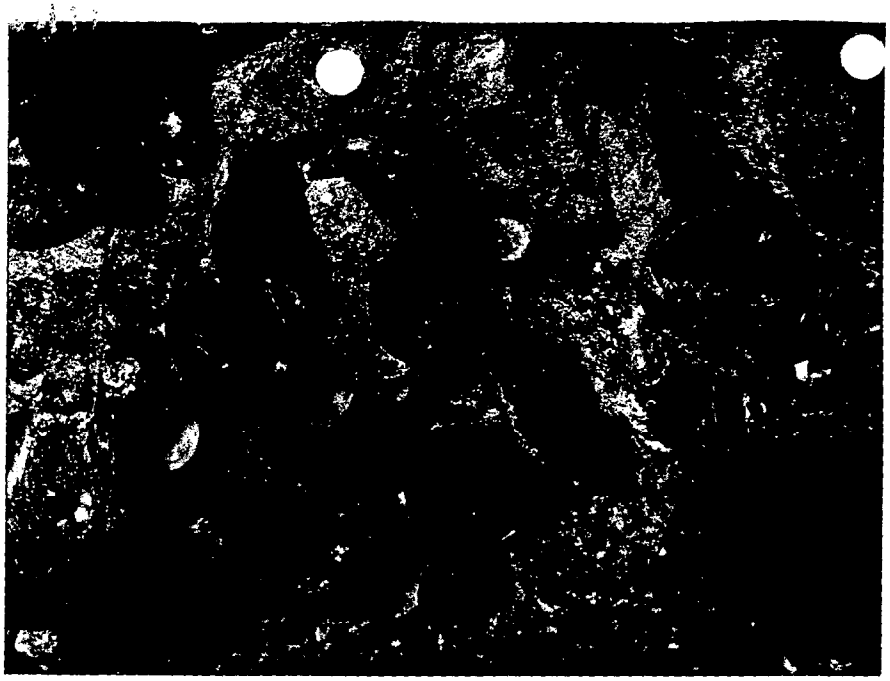

Limpet and mollusk shells scattered around nest site by parent birds after feeding the chicks.

watching chores on 12-hour alternating shift. During this time the chicks' pepper-and-salt-colored down dries and becomes more fluffy in appearance. After growing darker within the next three weeks, the fledgling attains full juvenal plumage by the sixth week, when it resembles a winter adult.

Black Oystercatcher hatchlings are born precocial—down-covered and eyes open—but remain dependent on the adults for some time after hatching. At the beginning, the surf-pounded rock environment must be explored cautiously by the young bird. It usually takes about five weeks before a young oystercatcher develops enough sureness of foot to clamber down to the lower tidal areas to begin foraging for food with its parents.

The feeding skills of oystercatchers are so specialized that it often takes three or four months for the fledglings to learn to open mussels and barnacles efficiently—or even to chip chitons and limpets from the rocks. Typical of all types of young, it has an avid appetite. A young bird will consume the equivalent of 120 mussels per day during the period of rapid growth.

A young oystercatcher is a master at "freezing," blending in perfectly with its surroundings. It is helped by its juvenal plumage, which has "rusty" feather edgings. When a warning is given by a parent oystercatcher, the young bird will immediately flatten down on the rocks with neck and bill outstretched. Nothing except the all-clear call from the parent bird will set the "frozen" oystercatcher free to move again.

Black Oystercatchers are somewhat gregarious, and tend to flock in limited numbers, except during the breeding season, when established pairs will occupy the same territory used in previous years. From about April through August, these pairs can be found defending their territories on promontories, rocky shores, or on some of the smaller offshore islands located along the Pacific Coast.

During the time I have been privileged to observe Black Oystercatchers, it has become quite evident that there is still much more to be learned about these fascinating shorebirds. For the birding enthusiasts that put forth the time and effort, however, observing the Black Oystercatcher is a most rewarding proposition.

Len Penhale is a naturalist and photo-journalist who has received many awards for his efforts on behalf of wildlife. He is based at Morro Bay, California. This is his first article for *WildBird* Magazine.

The Audubon Shop & Gallery

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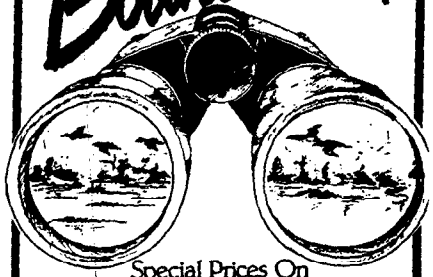

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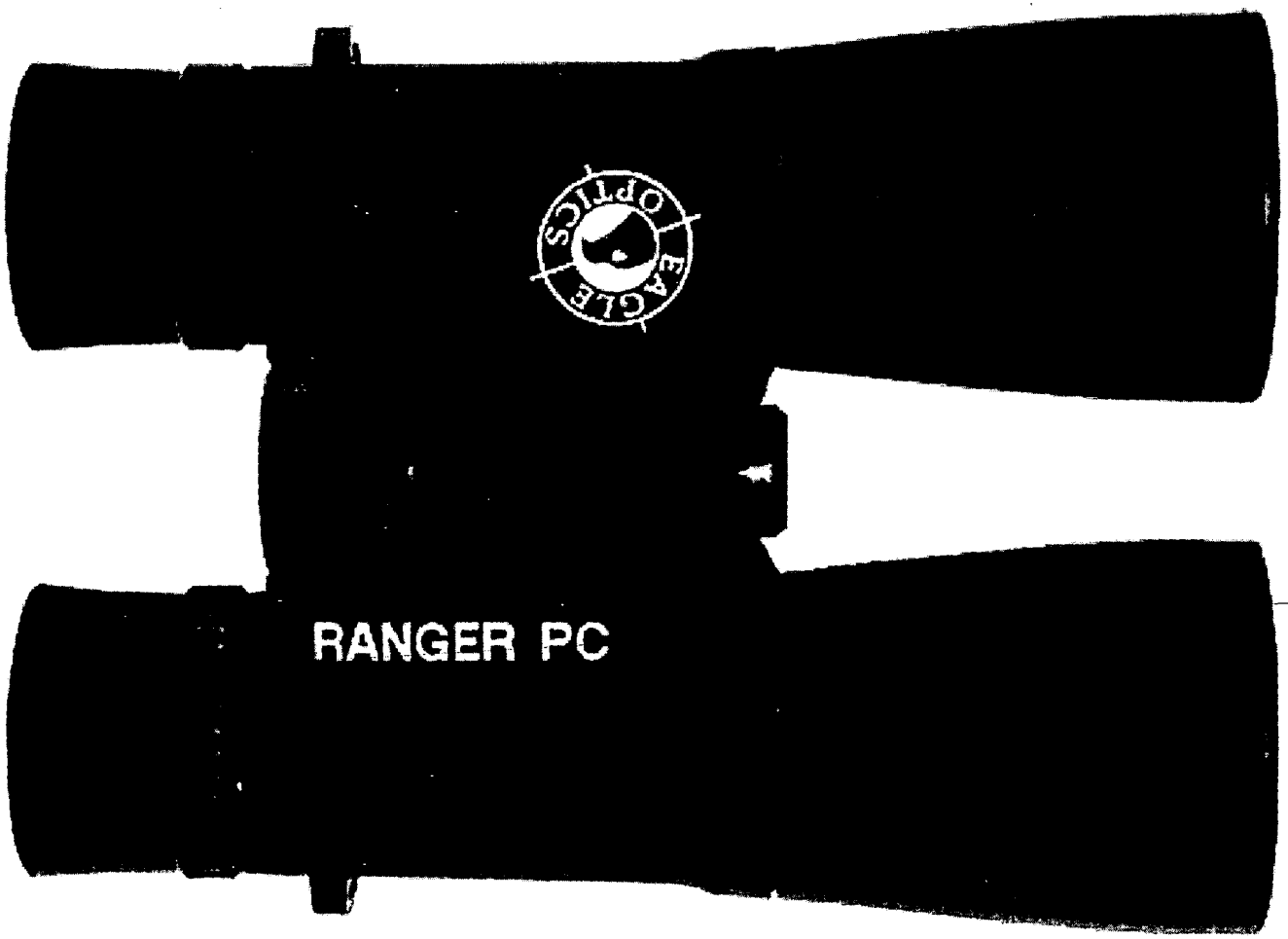
EAGLE OPTICS
RANGER PC

EXHIBIT 14
TO DECLARATION OF
DANIEL C. HAMILTON

EAGLEVIEW ZOOM

EAGLEVIEW ZOOM 8-24x25 CF (Photo:Silver)

- Application Icons

Key Features

- Unique zoom lever designed for extra-smooth 8-24x zooming
- Turn-and-slide rubber eyecups for easy positioning of eyes at the correct eyepoint
- Multilayer-coated lenses for bright images
- Carbon fibre material in parts of the grip enhance durability
- Designed for comfortable fit and easy handling
- Compact and lightweight
- Parts contain eco-friendly materials
- Available in two body colours (silver/black)

- Brochure Download

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EXHIBIT 15
TO DECLARATION OF
DANIEL C. HAMILTON

CONSENT AGREEMENT

This CONSENT AGREEMENT is made by and between **SHELTERED WINGS, INC.**, a Wisconsin corporation, with a business address of 2120 W. Greenview Drive #4, Middleton, Wisconsin 53562, U.S.A. [hereinafter "the Applicant"], and **NIKON CORPORATION**, a Japanese corporation, with a business address of 2-3, Marunouchi 3-Chome, Chiyoda-ku, Tokyo 100, Japan [hereinafter "the Registrant"].

WHEREAS, the Applicant has used the words "**EAGLE OPTICS**" as a service mark for mail order services in the field of optical products and has applied to register said words in the United States Patent and Trademark Office as a trademark for "binoculars, spotting scopes, and telescopes, all for use in bird watching, and storage cases therefor", in Int'l. Class 9, Application Ser. No. 78/029,311, filed October 5, 2000, with an alleged date of first use of January 1, 1996; and

WHEREAS, the Registrant owns the trademark "**EAGLEVIEW**" in the United States of America, and has registered said trademark under Reg. No. 2,084,361, dated July 29, 1997, in respect of "binoculars" in Int'l. Class 9, with an alleged date of first use of November 30, 1996; and

WHEREAS, the Registrant's registration of the trademark "EAGLEVIEW" has been cited by a United States Patent and Trademark Office Examining Attorney as a bar to registration of the Applicant's trademark "EAGLE OPTICS"; and

WHEREAS, the parties believe that as a result of the differences in meaning and commercial impression of their respective trademarks, the differences in commercial identities of the respective companies, and the history of co-existence of the respective trademarks in the U.S.

marketplace, said marks can continue to co-exist in the marketplace and should be allowed to co-exist on the U.S. trademark register, subject to the following terms and conditions;

NOW, THEREFORE, the parties hereby agree as follows:

1) The Applicant acknowledges that the Registrant is the owner of the trademark "EAGLEVIEW" for the goods set forth in the aforementioned U.S. trademark registration owned by the Registrant, and the Applicant agrees to refrain from taking any action or filing any proceeding, legal or otherwise, that will hinder the Registrant in its use or registration of the word "EAGLEVIEW" as, or as part of, a trademark for said goods, or any other goods or services.

2) The Registrant agrees to refrain from taking any action or filing any proceeding, legal or otherwise, that will hinder the Applicant in its use or registration of the trademark "EAGLE OPTICS" in conjunction with "binoculars, spotting scopes, and telescopes, all for use in bird watching, and storage cases therefor", or for related bird watching and outdoor products , unless said trademark is abandoned by the Applicant. The Registrant further acknowledges the right of the Applicant to continue its use of the words "EAGLE OPTICS" as a service mark for mail order and/or retail services in the field of bird watching and outdoor products, and optical products, as long as said words are not used in any manner which is likely to suggest that the Applicant is sponsored by the Registrant or is more than an independent re-seller and authorized dealer in the Registrant's goods.

3) The Applicant shall be entitled to file a copy of this agreement in the United States Patent and Trademark Office as evidence of the Registrant's affirmative consent to registration of the Applicant's trademark "EAGLE OPTICS" for the goods set forth in Paragraph No. 2, *supra*.

4) Simultaneously with the execution of this agreement, the Applicant will make a payment to the Registrant of $ 4750.00. The Applicant shall bear its own costs and attorneys' fees relating to the negotiation, execution and performance of the agreement.

5) This agreement shall be effective solely in the United States of America.

6) This agreement may not be amended or terminated except by an instrument in writing, signed by both parties hereto.

7) This agreement shall inure to the benefit of and be binding upon the successors, related companies and assigns of the parties hereto.

8) This agreement does not create a partnership or joint venture between the parties hereto.

9) In the event that any trade or consumer confusion caused by the permitted use or registration of the aforementioned trademarks is brought to the attention of either of the parties hereto, they shall promptly consult with one another and take whatever steps may be reasonably necessary or desirable, and mutually agreeable, to prevent any further occurrence of confusion.

WHEREFORE, the parties have caused this agreement to be executed by their duly-authorized undersigned officers.

SHELTERED WINGS, INC.

By _____
Print Name: DANIEL C. HAMILTON
Title: PRESIDENT
Dated: 7/7/2003

NIKON CORPORATION

By _____
Print Name: TAKAO WATANABE
Title: Executive Officer Vice-President
Dated: 2 July 2003

EXHIBIT 16
TO DECLARATION OF
DANIEL C. HAMILTON

SOUND ADVICE: A LOOK AT AUDIO GUIDES

FEBRUARY 2005

Birding BUSINESS

Sheltered Wings founders Dan and Margie Hamilton

Setting Their Sights On Success

Behind the Brands of Sheltered Wings

Page 20

Liquid Assets

Selling Water Features

Page 36

RETAILER TO RETAILER:

The Right Hire

Hiring Help Tips

Page 50

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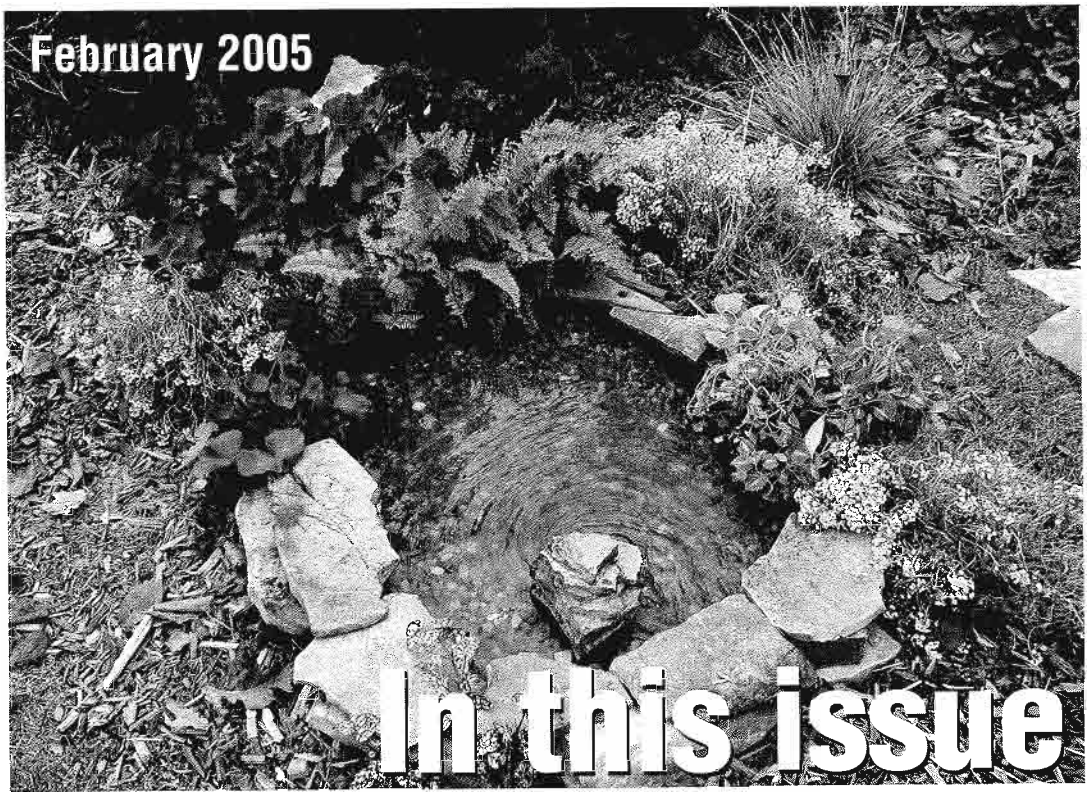

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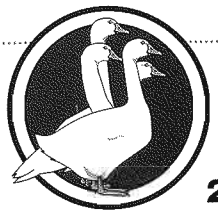
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Cover photo courtesy of Sheltered Wings

Multiplying Brands

By Peter Stangel
Contributing editor

Sheltered Wings focuses optics lines on affordable quality

Sheltered Wings has attracted the attention of the industry in recent years for its affordable, quality optics. More than 95 percent of its Eagle Optics brand sales are made in Wild Birds Unlimited stores. But the company has branched out in recent years, taking its optics philosophy beyond its partnership with WBU.

At Birdwatch America last month, Sheltered Wings unveiled a new line carrying the name of Don and Lillian Stokes, the popular couple who have taken birding to millions through TV and videos. The new line is aimed at the premium market.

Birding Busines Contributing Editor Peter Stangel sat down with Sheltered Wings President Dan Hamilton to get his insights on his success.

How did you get involved with the birding industry?

I found it a very relaxing and enjoyable hobby. I was a dentist, both in the Air Force and in a private practice in Indiana. It was a very demanding job. I hiked and birded to relax, then added feeders and baths in my yard. Sitting back and just watching birds was such a psychological release.

One day my wife, Margie, saw an advertisement from a newly opened Wild Birds Unlimited store in nearby Fort Wayne, Ind. We just knew that this would be our kind of store. After visiting, we decided that owning one of those stores was what we wanted to do.

I got in touch with [WBU founder] Jim Carpenter. He suggested we consider Wisconsin for a new store. We'd never been to Wisconsin, but it sounded like a good idea!

We opened our Wild Birds Unlimited franchise in Madison in 1986. It was one of the very first stores, and it's been going strong ever since.

How did you make the leap to mail order and Eagle Optics?

We had many customers in the store asking about binoculars, and we really didn't have much to offer them. Back then, most people bought optics from camera stores.

I asked Jim Carpenter how we could help these customers. He was interested, and suggested that I look into the possibilities of offering a nice selection of optics in the stores.

I found that to offer competitive prices we would have to order large quantities, which was beyond our means at the time. We just weren't big enough to get the best deals. Back then your price was based on the size of your order.

I asked Jim what he thought about me starting a mail-order business and then selling product back to the stores at the wholesale level. He liked the idea, so in 1987 we started Eagle Optics. Today, Eagle sells a wide range of optics from a variety of manufacturers, as well as our own brands.

As the Wild Birds Unlimited franchises increased in numbers, we found that Eagle Optics was competing with these stores for sales, which obviously isn't where I wanted to be. On top of that, the margins for most optics were not very good, so neither Eagle nor the franchisees were doing as well as we wanted.

In about 1995 I started developing an Eagle Optics brand. The goal was to produce quality optics that would provide a more sustainable margin for me and for the stores. We developed a Wild Birds Unlimited brand just for them as well.

Then about five years ago, we decided to make Eagle Optics the in-store brand for Wild Birds Unlimited. We discontinued the WBU brand, and started to focus on better name recognition among birders for the Eagle Optics brand.

We also began promoting Wild Birds Unlimited stores as the source for Eagle Optics products in magazine ads and on our website.

It's been a good partnership. Eagle and Wild Birds Unlimited are now not only *not* competitors, but we also build on each other's successes.

We have been able to bring profitability in optics to Wild Birds Unlimited franchises. The optics are a good value for consumers, and the margins are good for the average store.

Today, 95 percent or more of Eagle Optics brands sold in a retail environment are sold at Wild Birds Unlimited.

And the third of your birding businesses, Sheltered Wings?

We saw that to continue to be successful, we had to provide similar advantages to other wild bird retail stores that we were providing to Wild Birds Unlimited. A few years ago, we launched Sheltered Wings to address this need.

Through Sheltered Wings we offer other brands such as Audubon, which is licensed from National Audubon Society. We have the same philosophy at Sheltered Wings that we have at Eagle Optics: good values for birders and meaningful profit margins for our dealers.

We use discretion in choosing dealers, so we have some control over how the product is sold. We want to make sure that we can provide good service to the dealers, and that they in turn can provide quality service to customers.

We use discretion in choosing dealers, so we have some control over how the product is sold.

Sheltered Wings At a Glance

10 percent: Annual growth each year for 10 years

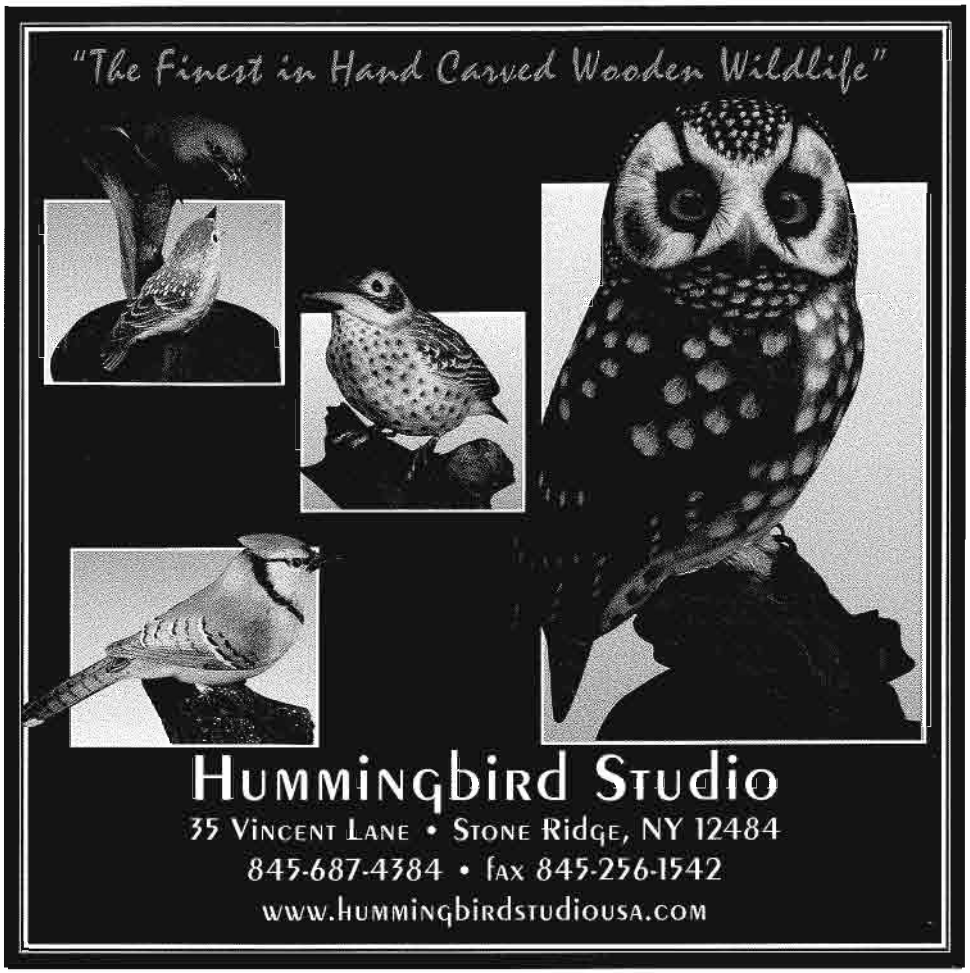
30: Sheltered Wings staff

1995: Eagle Optics brand started

2000: WBU changes in-store brand to Eagle

2001: Sheltered Wings launches national brands for specialty retailers

Dan and Margie Hamilton in their Wild Birds Unlimited Store in Madison, Wisconsin, one of the first in the franchise chain.



The optics are a good value for consumers, and the margins are good for the average store.

Is the business growing?

Over the past decade, we have seen about 10 percent average annual growth. Over the past couple years, with the economy down, mail order/internet sales have held steady, but the wholesale end of the business continues to grow nicely.

Today, Eagle Optics and Sheltered Wings together employ about 30 people.

Can you sum up the Sheltered Wings philosophy?

We think that our experience in retail as a wild bird specialty shop gives us a unique perspective and advantage in providing the right products and support for our dealers and customers.

We treat customers — retail or wholesale — the way we would like to be treated. It's that simple. We help make it possible for even small retailers to offer quality optics at competitive prices and good margins. I think this is an important part of helping fuel the birding boom.

Peter Stangel *(stangel@nfwf.org), a lifelong birder and director of the National Fish and Wildlife Foundation's Southeast Region Office, works with corporations to develop conservation and environmental programs.*

Brands

- **Eagle Optics:** Sold by WBU stores
- **Sheltered Wings:** Parent company of national brands
- **Audubon Binoculars:** Sold by birding and other specialty retailers
- **Vortex:** Rugged outdoor optics. Includes new Stokes line.
- **Masterpiece Collection:** Opera glasses for theatregoers
- **Sportoculars:** Official binoculars of NCAA colleges
- **Radian:** Tripod line for general outdoor use

EXHIBIT 17
TO DECLARATION OF
DANIEL C. HAMILTON

Wisconsin State Journal

BUSINESS

SUNDAY
OCTOBER 14, 2007

Getting deals online
... every time you buy
COMING MONDAY IN TECH SMART

Changes B2
Money Markets B3
Other markets B4

Business editor
Tom Enwright
608-252-6155
tenwright@madison.com

PERSONAL FINANCE: OPTIONS FOR YOUR 401(K) IF YOU LEAVE YOUR JOB PAGE B3

Some see a boost in HOLIDAY HIRING

JOSEPH W. JACKSON III – State Journal

Jasmine Eckhoff, of Evansville, is training for a job in the call center of Duluth Trading Co., an online and mail-order retailer in Belleville. The company specializes in sturdy work clothing. Duluth Trading is hiring 350 seasonal employees this year, an increase of nearly 50 percent over a year ago.

And for many the process starts several months in advance

By JUDY NEWMAN
jdnewman@madison.com
608-252-6156

Signs of the Christmas season are peeking out early this year, weeks before Halloween.

Santa hats have taken up residence atop the greeting card aisle at Walgreen drug stores around the area and Macy's and Kohl's stores have set out their Christmas wares, with trees, accessories and ornaments decking the aisles.

But if retailers are trying to sneak in an early start to holiday shopping, there's nothing secret about their efforts to sign on extra staff to work the busy season.

Holiday hiring started months ago for several major Madison area employers. And while seasonal job forecasts are lackluster nationwide, at least some local businesses are boosting their holiday crews this year.

Confidence in products

Duluth Trading Co., Belleville, held a weeklong job fair in September with the hope of hiring 350 seasonal workers, up from 240 last year — a 46 percent increase.

"We are hiring more simply because we anticipate greater sales. We have products we are very confident in," said spokesman Mike Klawitter.

Finding applicants was not a problem. More than 700 people showed up. Twenty to 30 percent of this year's holiday hires are returning seasonal workers, Klawitter said. A discount averaging 40 to 50 percent on Duluth Trading merchandise is a potent incentive, he added.

Duluth Trading, a catalog and Internet retailer, is known for its work clothes, gadgets and accessories, such as the "longtail T," a T-shirt aimed at keeping plumbers covered; the denim rump guard, a pocket protector for workers who carry around sharp tools in their jeans pockets; as well as nostalgic items

Please see SEASON, Page B2

On the Internet

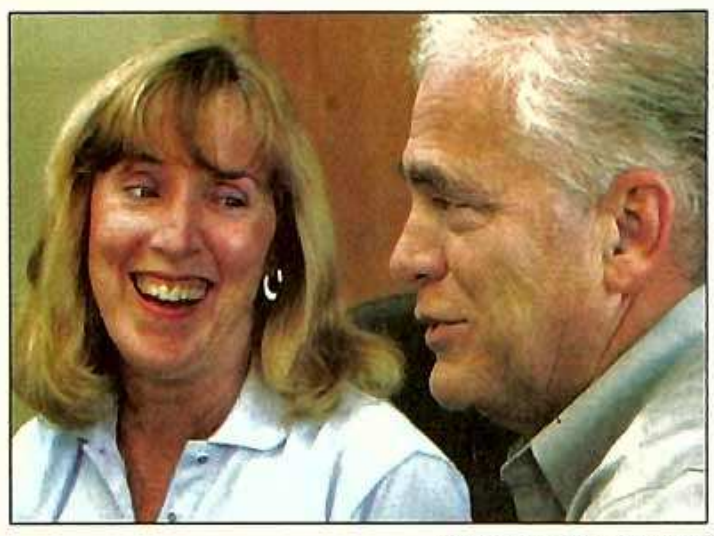
American Girl:
www.americangirl.com
Duluth Trading Co.:
www.duluthtrading.com
Lands' End:
www.landsend.com

CRAIG SCHREINER – State Journal

CRAIG SCHREINER – State Journal

ABOVE: Seasonal employee Denise Baier is handling telephone orders at American Girl in Middleton for the second year in a row, working from October through January.

American Girl dolls, books, clothing and accessories are the focal point of the Middleton company's call center, providing employees with easy access to the merchandise in case customers have questions as they order.



JOSEPH W. JACKSON III — State Journal

Margie and Dan Hamilton opened the first Wild Birds Unlimited store in Wisconsin in 1986. The couple sold their Madison store earlier this year to focus more on their two other companies, Vortex Optics and Eagle Optics in Middleton.

Keeping the outdoors in their sights

By BARRY ADAMS
badams@madison.com
608-252-6148

EXECUTIVE Q&A

DAN and MARGIE HAMILTON

Co-owners of Vortex Optics and Eagle Optics, 2120 W. Greenview Drive, Middleton

Education: Dan is a graduate of the Indiana University School of Dentistry. Margie is a graduate of the Indiana University School of Nursing.

Employees: 35

Revenues: $12 million

Distribution: More than 500 dealers in 15 countries including in parts of Europe, Canada, Mexico, South Africa and Australia.

Web sites: *www.vortexoptics.com* and *www.eagleoptics.com*

MIDDLETON — It has been more than 20 years since a dentist and nurse pulled up stakes in Indiana and moved to Madison to open a bird store.

The change in states and careers has paid off well for Dan and Margie Hamilton.

The couple opened one of the first Wild Birds Unlimited stores in the country on Odana Road in 1986 and also started Eagle Optics, which sells various brands of binoculars and optic products, primarily for bird watchers. The company started out as mail-order retailer before going to the Internet and, in 1997, moving to an industrial park in Middleton. One of its biggest customers is Wild Birds Unlimited, which has more than 300 stores in the United States and Canada.

In 2000, the Hamiltons started designing and selling their own optics under the Vortex brand. Last month, one of their binoculars — the Vortex Viper 10x42 mm — was named the Gear of the Year in optics by Field & Stream magazine.

"It really has helped get our brand recognition out there. It's really been good for the name. It gets new dealers and helps our dealers sell more product," Dan Hamilton said. "We're going to try and take advantage of that award."

The couple sold their Wild Birds Unlimited store in March so they could focus more on Vortex and Eagle optics.

Q: How did you make the move from dentistry to owning a retail store devoted to wild birds and then to designing optics?

Please see HAMILTONS, Page B2

American toys having their day in the sun

By RACHEL KONRAD
Associated Press

Deborah Evanoff thought she had traded her frantic Silicon Valley career for a lazier pace when she took over the low-tech toy company her parents founded in the late 1960s.

Instead, she's expanding Arrowcopter's manufacturing operations and getting a record number of orders from retailers in 11 countries. More people are buying the slingshot-like gizmo, which starts at $4 and is made in the United States. Her company is in Hollister, Calif.

As consumers look for alternatives to Chinese-made toys following a series of recalls this year, dozens of small toy companies are struggling to meet surging demand. Some owners report online sales up as much as fivefold from last year. They're hiring extra workers, expanding warehouses and adding extra assembly shifts.

"Every time there'd be a new recall this summer, we'd get a huge new order," Evanoff said as she watched contract manufacturers stuffing neon-colored copters, rubber bands and wooden sticks into plastic packages. "We didn't stop all summer long."

Experts say the boutique American toy boom won't last beyond the recalls, which started this summer. So far, more than 21 million toys made in China have been found to contain excessive levels of lead paint, tiny magnets that could be swallowed or other potentially serious problems.

Retailers such as FAO Schwartz and Toys R Us downplay the recalls, saying they aren't likely to dent holiday sales or significantly change their orders. About 80 percent

Please see TOYS, Page B4

MARKET ROUNDUP

Dow Jones industrials
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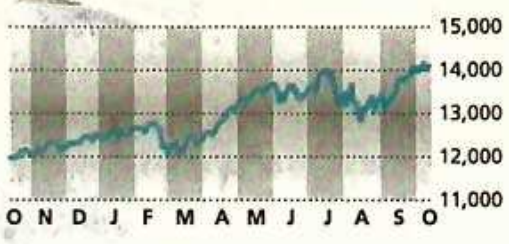

Nasdaq composite
For the week ending **Friday, Oct. 12**
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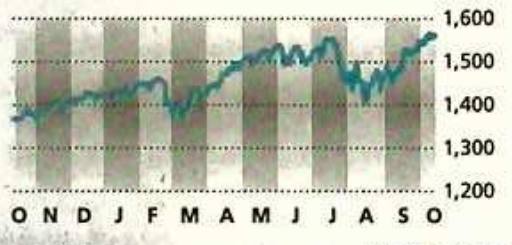
2,805.68

Standard & Poor's 500
For the week ending **Friday, Oct. 12**
+4.21
1,561.80



Associated Press

ECONOMIC SNAPSHOT

Comparing downtowns: residents

According to the UW-Extension's market analysis, Downtown Madison leads its five "comparison city" downtowns in number of housing units. Most of Downtown Madison's units are rentals, reflecting its large student population. However, condo dwellers have increased and are creating demand for neighborhood-serving businesses.

Housing units in 1-mile downtown ring

Note: 1-mile ring differs slightly from the Downtown Madison Study Area as defined in the UW-Extension Market Analysis.

SOURCES: ESRI Business Information Systems (ESRI BIS), U.S. Census (2000)

The full study can be viewed at:
http://www.uwex.edu/ces/cced/downtowns/Madison/MadisonDowntown.cfm

Part 2 of this month's series examining Madison's Downtown business mix
Next week: Employees

QUESTIONS: Contact Matt Kures or Bill Ryan, Center for Community & Economic Development, University of Wisconsin-Extension at: cced@uwex.edu.

Economic Snapshot is a weekly feature provided by the UW Extension

CHANGES

Cretney

Groshek

Koplin

Boudreau

Loichinger

Strickland

Gapen

Zimmerman

Steve Cretney has joined Total Administrative Services Corp., a provider of employee benefit programs for family farmers and small-business owners at 2302 International Lane. He is vice president of business technology services.

Scott Groshek has joined Schenck AccuRate, Whitewater, a manufacturer and supplier of feeders and meters. He is project manager of operations.

Randy Koplin has joined Design Concepts, a product development firm at 5301 Buttonwood Drive, as a mechanical engineer and project manager. **Cory Boudreau** has joined as a senior industrial designer and project manager.

BOARD APPOINTMENTS

Dan Loichinger, managing adviser of the Covenant Group, Middleton, has been named to the advisory board of the Salvation Army of Dane County.

David Crass, managing partner at Michael Best & Friedrich and chairman of the firm's agribusiness, food processing and distribution practice group, has been selected to serve a four-year term on the UW-Madison College of Agricultural and Life Sciences' Board of Visitors.

Richard Busch, president of Royal Bank in Gays Mills, was elected chairman of the Community Bankers of Wisconsin. **Stephen Eager** of Union Bank & Trust Co. in Evansville was named chairman-elect.

Darren Kittleson, of Keller Williams Realty, was named vice president of the Wisconsin Realtors Association's board of directors.

Bart A. Straka of TRICOR, an insurance company in Lancaster, was elected to a three-year term and named treasurer of the Professional Insurance Agents of Wisconsin's board of directors. Dennis R. Rupers of Don-Rick Insurance in Portage was elected to a three-year term on the board.

AWARDS & HONORS

Carol M. Gapen, co-founder of the Law Center for Children and Familles, a law firm at 450 S. Yellowstone Drive, has been named a 2007 Angel in Adoption, a national award from the Congressional Coalition on Adoption Institute.

Suanne Zimmerman, director of operations for Harbor House Assisted Living, Middleton, has been named Administrator of the Year by the Wisconsin Representatives of Activity Professionals.

Karl Ostby, president and founder of Southport Bank, was named the 2007 Community Banker of the Year by the Community Bankers of Wisconsin, a trade association based in Madison.

Larry Mani, of the maintenance department at Karmenta Center, a nursing and rehabilitation center at 4502 Milwaukee St., received the center's Shining Star Award.

ANNOUNCEMENTS

Mary Strickland, vice president of wealth management at Smith Barney, 33 E. Main St., has received the Certified Financial Planner certification.

Compiled by Brittany Schoepp. Please submit Changes items to wsjmoney@madison.com.

Season

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such as plaid handkerchiefs and wooden train whistles.

A segment about Duluth Trading on the syndicated TV show "House Smarts," scheduled to run in November, could be an even bigger boost to sales, Klawitter said.

'The bare minimum'

From a nationwide perspective, Duluth Trading's big hiring jump is well outside the norm.

Challenger, Gray & Christmas says holiday hiring could dip to its lowest level since 2001. The Chicago outplacement consultant firm says a sudden surge in job cuts resulting from the housing slump; massive, expensive toy recalls; and increased concerns about a recession are expected to hold down holiday shopping. The firm says employers are likely to add "the bare minimum" to their payrolls.

Manpower's quarterly employment survey also reflects a cautious approach, with only 27 percent of employers saying they plan to add to their work force between October and December.

The National Retail Federation is predicting a 4 percent rise in sales for the holiday season, compared to last year's — the smallest increase since 2002.

"Retailers are in for a somewhat challenging holiday season as consumers are faced with numerous economic obstacles," the federation's chief economist, Rosalind Wells, said, in a news release. "With the weak housing market and current credit crunch, consumers will be forced to be more prudent with their holiday spending."

At least two major store chains said, though, they'll be hiring about as many seasonal workers in the Madison area as they did last year. Target is adding 60 to 70 employees per store, said spokeswoman Ana Williams, in Minneapolis. And ShopKo in the midst of hiring 85 holiday workers, to be spread among three stores in Madison and one in Monona, workforce development director Cindy Sahotsky said from company headquarters in Green Bay.

At American Girl

Even as Duluth Trading is bulking up its holiday hiring, American Girl in Middleton is adding fewer people.

About 1,950 seasonal jobs are being filled at the doll and accessories company's three Wisconsin locations, in Middleton, DeForest and Wilmot. That's a decrease of 310 from last year, spokeswoman Julie Parks said. But the economy is not to blame.

"E-commerce continues to grow for American Girl, so there's less of a need for (telephone order-takers) than we have had in past years," Parks said. She said 62 percent of the orders for American Girl products so far this year have come in over the Internet, up from 54 percent of the orders last year.

At the same time, seasonal employees want to work longer hours than they have in the past, she said, and there's also less turnover among seasonal employees. A couple of years ago, the turnover rate among holiday workers was 28 percent; now, it's down to about 20 percent, Parks said.

Even so, American Girl launches its annual search for holiday helpers as early as June. Some start working in August or September, but most of the shifts run from October through December, Parks said.

"It is a tighter labor market than in past years," she said, especially for the Middleton location, which has 400 seasonal employees. "A lot of new businesses are opening, so it's increased competition for part-time help."

Seasonal shifts pay $9.70 to $11.85 an hour in the American Girl warehouse; order processors and customer service people are paid $11 to $12.20 an hour, Parks said. There's also a 30 percent employee discount.

Parks said a new set of historic doll characters and new sales outlets are expected to boost revenue this holiday season for American Girl, a division of Mattel. Dolls Julie Albright and her best friend, Ivy Ling, set in the 1970s, were recently introduced. Meanwhile, the company debuted its first American Girl boutique and bistro in Atlanta in August; the next one is scheduled to open in Dallas on Nov. 3.

A gift card

Lands' End won't say how many seasonal employees it's hiring, but the Dodgeville apparel and accessories retailer is bringing in about as many as last year for its locations in Dodgeville, Reedsburg and Stevens Point, and it is a "sizable number," spokeswoman Michele Casper said. Their duties range from taking orders to monogramming to gift wrapping, and training can run 40 to 60 hours or more.

About 40 percent come back year after year. "Some have been with us 15 to 20 holiday seasons," Casper said.

Lands' End perks may be one reason. The company offers discounts on merchandise from Lands' End and sister company, Sears — but won't disclose how big of a price reduction. It also provides health, dental, life and short-term disability insurance coverage for seasonal workers. Returning hires get a $50 gift card, Casper said.

Lands' End now has 200 "stores-within-a-store" at Sears locations and that's expected to boost sales, Casper said. New this season is an outerwear assortment with varying ranges of warmth, she said.

But if you think the Christmas merchandise has been hitting the stores and online retailers earlier than usual, it's just your imagination, said Tiffany Bernhardt, marketing director for West Towne Mall.

With last weekend's temperatures in the 80s seeming more like a prelude to summer than winter, "the warm weather is what really throws people," she said.

Hamiltons

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Dan: Dentistry is very stressful and I was feeling the stress and I kept thinking I wanted to do something different. One of the things I enjoyed doing as a stress reliever was going out hiking and watching birds and enjoying nature. A Wild Birds Unlimited store had opened up not too far from where we lived and I kept thinking that maybe we should do this. It was hard to leave because it was a lot of years invested in (dentistry) training and education. I just didn't want to live under that stress the rest of my life.

Margie: Besides that, he has that entrepreneurial spirit. Dan's always thinking about what would people really want. And as people would come into the store, they would ask for various things and the wheels were turning inside his head.

Q: Vortex is one of the few family-owned optic companies in the world. Your two sons and a daughter-in-law hold key positions in the company. What does it mean to have your family involved in the business?

Dan: It's potentially scary. You want to make sure we all get along. It's nice, actually. (Sam Hamilton) designed that Viper, so he is our computer, graphic arts and engineer person. He's designed most of our products in terms of the specifications and the look and the feel of them. (Joe Hamilton) is our sales manager for Vortex, so they kind of fit into key roles for us and they do a good job for us.

Margie: The whole place is like a big family. A lot of our employees have been with us for a very long time.

Q: Running a business is difficult but having the family involved can present challenges. How do you avoid issues spilling over into Sunday dinner?

Margie: Our sons seem to have very different interests. We do spend a lot of time at dinner discussing business. In fact, we have to kind of cut that off at times because otherwise you could live it and breathe it every moment of the day. I think because everybody kind of has their own little division of labor, so to speak, I think that really helps in cutting down on the conflicts. It will be interesting if David (who is in the Air Force) comes back because he and Sam are very similar in the way they look at things.

Q: How have your optics evolved?

Dan: When we started Vortex, it was originally for the outdoor market for backpackers and hikers and camping and things like that, so we had these real small, really tough waterproof binoculars. And Eagle Optics has really been marketed towards bird watchers. So we had a strong push toward the bird-watching market and we didn't have anything for the hunting market. A couple of my boys are really interested in hunting, and there's some other (employees) who are hunters. So, we took that Vortex brand, which really was just a few binoculars, and we decided to develop products that hunters would like.

Q: You're developing a new line of rifle scopes for hunting, target and tactical uses. Because of the competition in that market, was it a hard decision to begin designing your own scopes?

Dan: We knew it was going to be challenging, but we really felt like we had a lot to offer our dealers and customers. We know a lot about optics and we've designed some unique products and features. We're a family-owned company, so if anybody has any problems with anything, the buck stops right here in Middleton, Wisconsin. We do all of our own repairs. We put an unconditional warranty on all of our products and we're right here in the heartland of hunting. We know that it's not easy to gain a foothold in that market, but we're committed to the long haul.

Q: What makes your company stand out?

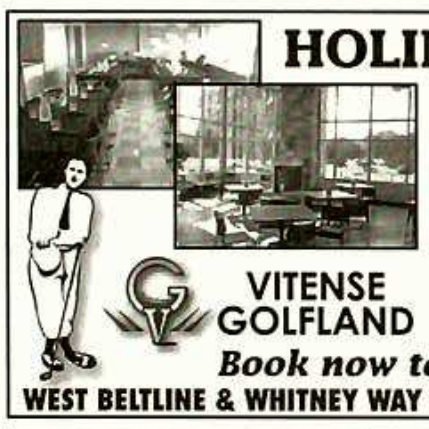
Dan: There's three important things we try to do: First, we try to make sure the customer gets a good or better value than anything on the market, and we know the market really well. We also want to make sure the dealer makes money selling our products. That they get a meaningful profit margin. And three, we want to make sure the customer and the dealer get the service and support. We don't allow any discounting on our product. We don't sell to discount retailers. We don't think our products need to be discounted. It creates a sense of value and worth to the brand.

Q: Your binoculars and other optics can cost several hundred dollars. How strong is the market for a pair of $600 binoculars, like the Vortex Viper 10x42 mm?

Dan: Years ago, it used to be that there wasn't a lot of difference between (the price of a low-end and high-end pair of binoculars). So, people would either buy low or they would go and buy a $1,000 pair. But now those same products that were $1,000 are now $2,000, so there's a big area in the middle and that's where the Vortex brand fits. It's a step up for people. They see it's something good to invest in. It's right in the middle and that's where we target it for. We could see that gap and it's been very well-received.

Margie: People want features, they want value, they want reliability, but they're not necessarily willing to mortgage their house to get it. That's where our company excels because we do have very good products and very good warranties and (our products are) attainable.

HOLIDAY PARTIES



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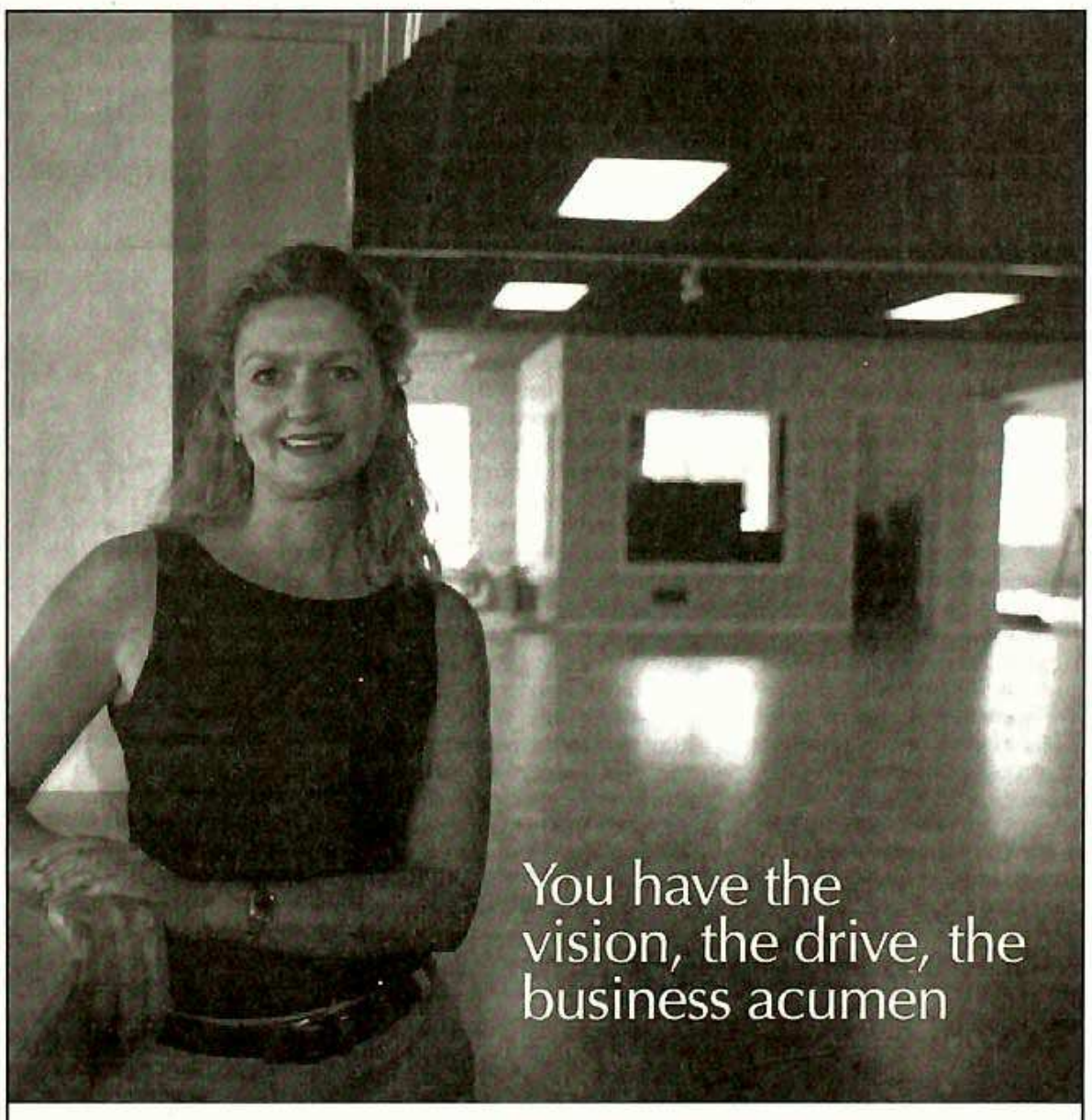

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