


VORTEX®



VIPER®


VORTEX®
OPTICS

The
VIPER®
Binocular Series

Enjoy the excellent optical performance and portable size of the Viper® binocular. Built with a tough and durable roof prism design, the Viper is made for any outdoor adventure.

Optical Quality

The Viper features fully multi-coated optics and phase-corrected prisms for the ultimate in light transmission and brightness in any light condition.

Rugged Design

The 28mm Vipers are rugged roof prism binoculars. An internal focus mechanism, o-rings at all open points, and argon purging contribute to the waterproof, dust proof, internally fog proof design of this compact binocular.



Caution:

Binoculars are not intended for looking at the sun, or any other intense light source. Such viewing could damage the retina and cornea of your eyes—even to the point of causing blindness.

Preparing the Viper for Use

The Case

The soft case of the Viper provides protection for the binocular when not in use. A belt loop attachment on the back of the case allows for an easy carry in the field.



The Lens Covers

The Viper binocular comes with a one-piece rainguard that covers the eyepieces. For convenience, the rainguard can be attached to the neckstrap where it is within easy reach. Simply slip the neckstrap through the attachment point on the rainguard before connecting the neckstrap to the binocular.



The Neckstrap

Attach the padded neckstrap to the binocular in three simple steps. Begin with the right barrel of the binocular and repeat the process for the left barrel.



1. Push a few inches of the strap through the neckstrap attachment point on the binocular.



2. Loop the strap over the attachment point, then thread the strap through the strap buckle.



3. Secure the end of the strap by slipping it through the strap loop.

Customizing the Viper

Adjusting the Eyecups

The multi-step eyecups on the Viper binocular twist up and down so any viewer can take advantage of the long eye relief and enjoy comfortable, full-field viewing.



With eyeglasses or sunglasses, retract the eyecups.



Without eyeglasses or sunglasses, extend the eyecups.

The twist-up eyecups are built on a solid frame and covered with rubber.

Adjusting the Interpupillary Distance.

The interpupillary distance (IPD) is the distance between the centers of the left and right eye pupils.

Match the IPD of your eyes to that of the binocular by rotating the binocular barrels inward or outward until you see a single image that is free of shading.



Focusing the Binocular

Choose an object that is about 20 yards away from you and follow this two-step process to properly adjust the focus. Be sure to stay in the same spot until you have adjusted both the center focus and diopter.

1. Adjust the center focus – Start by closing your right eye or covering the right objective lens with your hand. Focus your left eye on the object and adjust the center focus wheel until the image is in focus. Leave the center focus in this position as you adjust the diopter.



2. Adjust the diopter – Start by closing your left eye or covering the left objective lens with your hand. Look through your right eye and adjust the diopter until the object is in focus. Make note of this diopter setting in case you need to set it again.



From this point on, you will only need to use the center focus dial.

Caring for the Lenses

Maintain the optical brilliance of the Viper binocular by keeping the lens surfaces free of dirt, oils, and dust.

Protect Lenses While Out in the Field

Make use of the rainguard to protect the lenses when not viewing. Store the Viper in its carry case.

Keep Lenses Clean

Along with normal use comes the need to clean the binocular lenses. Follow these guidelines for cleaning:

1. Remove any dust or grit from lenses before wiping.

Use a can of pressurized air or soft camel hair brush (acrylic optical brushes also work well).

2. Clear lens of smudges, fingerprints, or eyelash oil.

Fog the lenses with your own breath and wipe with the non-abrasive lens cloth included with the Viper binocular.

Using other cleaning options

Cleaning fluid and optical paper can also be used. However, you should never use facial tissue, heavy cotton, or flannel clothing on lenses—these materials can scratch the lens surfaces.

Vortex Service and Repair Policy

Vortex Optics wants you to use your Viper binocular under any conditions with complete confidence—that's why our VIP warranty is straightforward and simple:



**Unconditional Lifetime
Warranty**

- Fully transferable
- No warranty card needed
- No receipt needed

Rest assured, if this binocular should ever require repair, all you need to do is contact Vortex for absolutely free service. Call 800-426-0048 or e-mail service@vortexoptics.com.

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