



# VIPER<sup>®</sup> HD

**BINOCULAR PRODUCT MANUAL**



## BASIC OPERATION

### Adjust the Eyecups

The eyecups on a Viper<sup>®</sup> HD binocular twist up and down so any viewer can see the full field of view and enjoy comfortable viewing—with or without eyeglasses.

When not using eyeglasses or sunglasses, keep the eyecups fully extended. For the best viewing when viewing through eyeglasses, twist eyecups down.



### Adjust the Interpupillary Distance

The interpupillary distance (IPD) is the distance between the centers of the left and right eye pupils. Match your eyes' IPD to the binocular's so that you see a single image that is free of shading.



Distance between the centers of the ocular lenses.

Rotate the binocular barrels inward or outward to line your eyes up with ocular lenses.

## Properly Focus the Binocular

For the best views, follow this two-step process to properly adjust the center focus and diopter. Choose an object about 20 yards away and stay in the same spot until you have adjusted the binocular for your eyes.

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, pull the diopter ring (found on the right eyepiece) toward your eye, adjusting the diopter until the object is in focus. Then, push the diopter ring back down to lock your settings. 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 wheel.



## ACCESSORIES

### GlassPak™ Binocular Harness

The GlassPak™ Binocular Harness stores and protects your binoculars while keeping them close at hand for quick deployment. Tethers attach to your binocular for added security against accidental drops while the fully adjustable straps create a comfortable fit.



Binocular Case

Harness Straps

Binocular Tether Straps

Follow these steps to attach the binocular tether straps.

1. Thread the wide end of the binocular tether straps through the harness strap buckles.



2. Size to fit by adjusting the one-size-fits-all harness strap.



3. Thread the binocular tether straps through the strap attachments on binocular.



4. Thread the binocular tether straps back through the tether strap buckles to secure.



## Lens Covers

The Viper® HD comes with a rainguard for the ocular lenses and tethered objective lens covers. Use these covers to protect the lenses whenever you are not viewing.

## Neckstrap

Securely attach your binocular to the binocular strap:



5. Push a few inches of the strap through the strap attachment on the binocular.



6. Hold the buckle and thread the end of the strap through the buckle.



7. Adjust the overall length, then pull tight until strap is secured within the buckle.

**Note:** Please do not thread a metal ring directly onto the strap attachment loop when attaching rings or clips for other after-market equipment. Instead, use nylon zip ties according to the manufacturer's instructions.

## LENS CARE

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

### Protect Lenses While Out in the Field

Make use of the provided eyepiece and tethered objective lens covers to protect the lenses when not viewing. If the optics are exposed to moisture, keep the caps off and allow the optics to dry completely before putting them in the case for storage.

### Keep Lenses Clean

In order to enjoy the best views through your binocular, take time to regularly clean the exterior lenses:

1. Remove any dust or grit from lenses before wiping. Use a can of pressurized air, soft camel hair brush, or an acrylic optical brush.
2. Clear lenses of smudges, fingerprints, or eyelash oil. Fog the lenses with your breath, then use a non-abrasive lens cloth to clean the lenses.

**Note:** Use lens cleaning fluid and optical paper to clean lenses. Never use facial tissue, heavy cotton, or flannel clothing on lenses—these materials can scratch the surface of a lens.

**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.



## VIP WARRANTY

### OUR UNCONDITIONAL PROMISE TO YOU.

We promise to repair or replace the product. Absolutely free.

- ▶ **Unlimited.**
- ▶ **Unconditional.**
- ▶ **Lifetime Warranty.**

Learn more at [VortexOptics.com](http://VortexOptics.com)  
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*Note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.*





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