



PRODUCT MANUAL

**CROSSFIRE<sup>®</sup> HD**

**BINOCULARS**

**SPECIFICATIONS**



<b>MAGNIFICATION X OBJECTIVE LENS DIAMETER</b>	<b>8x42</b>	<b>10x42</b>	<b>10x50</b>	<b>12x50</b>
<b>LINEAR FIELD OF VIEW (@1000 YARDS)</b>	393' (119.8m)	325' (99.1m)	320' (97.5m)	273' (83.2m)
<b>ANGULAR FIELD OF VIEW</b>	7.5°	6.2°	6.1°	5.2°
<b>CLOSE FOCUS</b>	6.0' (1.8m)			
<b>EYE RELIEF</b>	17.0mm	15.0mm	17.0mm	15.0mm
<b>INTERPUPILLARY DISTANCE</b>	57mm - 74mm	58mm - 75mm	60mm - 76mm	
<b>DIOPTER RANGE</b>	±3			
<b>HEIGHT</b>	6.2" (157.5mm)	6.0" (152.4mm)	6.7" (170.2mm)	6.6" (167.6mm)
<b>WIDTH</b>	5.2" (132.1mm)		5.3" (134.6mm)	
<b>WEIGHT</b>	23.8 oz. (0.7kg)	23.0 oz. (0.6kg)	30.4 oz. (0.9kg)	29.5 oz. (0.8kg)

Images are for representation only.  
Product may vary slightly from what is shown.

**CROSSFIRE® HD BINOCULARS**

The Crossfire® HD binocular lineup combines an HD optical system with best-in-class value and performance. Optimized glass elements and included GlassPak™ binocular harness make the Crossfire® HD binoculars hunt ready. An affordable price point means you'll have a healthy budget set aside to pay your taxidermy bill.



## BASIC OPERATION

### Adjust the Eyecups

The Eyecups on the Crossfire® HD twist up and down allowing anyone to obtain a full field of view and comfortable viewing despite differences in facial structure and for use with or without glasses.

When not using glasses, generally the Eyecups will be fully extended. When using glasses, generally the Eyecups will be fully collapsed.



### Adjust the Interpupillary Distance

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



Distance between the centers of the ocular lenses.



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

### Focus the Binocular

For the best results, follow this two-step process to properly adjust the Center Focus and Diopter. Choose an object about 20 yards away from you 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. Look through the left barrel and adjust the Center Focus wheel until the image is in focus. Leave the Center Focus in 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 the right barrel and adjust the Diopter until the image is in focus. Make note of the position of the 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.



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 Crossfire® HD comes with Tethered Objective Lens Covers and a Rainguard® for the Ocular Lenses. Use these covers to protect the lenses whenever you are not using your binocular.

## Neck Strap

Attach the Comfort Neck Strap in these three simple steps:



1. Push a few inches of the strap through the strap attachment on the binocular.
2. Hold the buckle and thread the end of the strap through the buckle.
3. Adjust the overall length, then pull tight until the strap is secured within the buckle.

**Note:** If using another type of strap, never attach metal o-rings directly onto the strap attachment.

## MAINTENANCE

### Cleaning

Your binocular requires very little routine maintenance other than periodically cleaning the exterior lenses. The binocular exterior may be cleaned by wiping with a soft cloth. When cleaning the lenses, be sure to use products that are specifically designed for use on coated optical lenses.

- Be sure to blow away any dust or grit on the lenses prior to wiping the surfaces.
- Using your breath, or a very small amount of water or pure alcohol, can help remove stubborn dried water spots.

### Lubrication

All binocular components are permanently lubricated, so no additional lubricant should be applied.

**Note:** Other than to remove the Rainguards, Objective Lens Covers, and Tripod Adapter Socket Cap, do not attempt to disassemble any binocular components. Disassembling binocular may void warranty.

### Storage

If possible, avoid storing your binoculars in direct sunlight or any very hot location for long periods of time.

**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.

## NOTICE

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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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