









PRODUCT MANUAL

# CROSSFIRE<sup>®</sup> HD

SPOTTING SCOPES

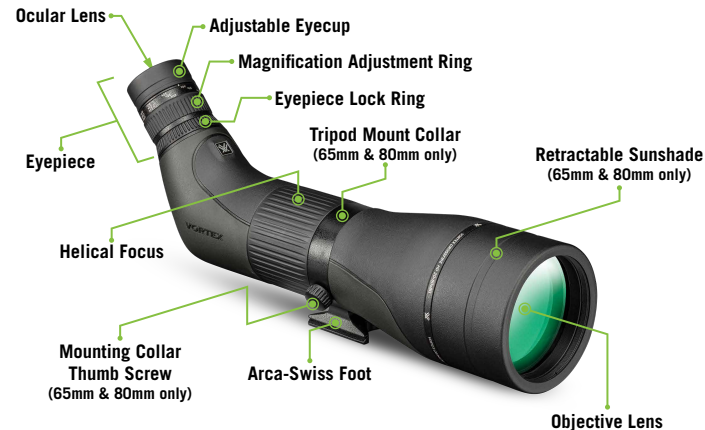
## SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS DIAMETER		12-36x50	16-48x65	20-60x80
FIELD OF VIEW	Linear @ 1000 yds.	173' - 89'	131' - 68'	105' - 53'
	Angular	3.3° - 1.7°	2.5° - 1.3°	2.0° - 1.0°
CLOSE FOCUS	Angled	13.9'	16.5'	26.0'
	Straight	14.5'		
EYE RELIEF		18.0mm	18.0mm	18.0mm
LENGTH	Angled	10.2"	13.4"	15.6"
	Straight	9.7"	12.9"	15.1"
WEIGHT	Angled	30.3 oz.	44.1 oz.	53.0 oz.
	Straight	31.2 oz.	44.0 oz.	
	Angled			
	Straight			

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

## CROSSFIRE® HD SPOTTING SCOPES

For hunters who don't want to compromise performance for value, the Crossfire® HD family of spotters delivers the powerful, time-counting tool you've been waiting for. Its wide field of view is perfect for chewing up ground in any environment. The Arca-Swiss compatible foot means out-of-the-box, mount-and-go convenience on most tripods. Your first spotter could be the last spotter you ever need.



## UNDERSTANDING YOUR CROSSFIRE® HD SPOTTING SCOPE & INITIAL SETUP

### Attach the Eyepiece

Before attaching the Eyepiece, remove any covers that would interfere with attaching the Eyepiece to the spotting scope body. Keep the exterior lens covers handy to protect exposed lenses whenever you are not viewing through the Crossfire® HD spotting scope.

1. **To attach the Eyepiece**, insert the Eyepiece into the body and rotate clockwise using the knurled ring on the Eyepiece until the Eyepiece is tight (stops rotating).
2. **To detach the Eyepiece**, grab the knurled ring and turn counter clockwise until the Eyepiece is able to be removed.

**Note:** Only turn the Eyepiece with the knurled ring for installation or removal. Turning the Eyepiece by the Magnification Adjustment Ring or Eyepiece can damage the spotting scope's threads and internal components. The user may hold the Eyepiece in place while tightening to ensure the magnification markings are in their preferred orientation.

**Note:** If the Eyepiece is rotating while changing magnification, tighten the knurled ring some more.



### Mount the Crossfire® HD Spotting Scope

Attach the Crossfire® HD to a tripod or car window mount for stability. The Crossfire® HD has an Arca-Swiss Compatible Tripod Mount Foot and will work without a quick-release plate on any Arca-Swiss compatible tripod or car window mount. The Crossfire® HD tripod foot will also attach to any tripod or car window mount that uses a 1/4"-20 stud. Simply screw the compatible quick-release plate into the bottom of the tripod foot.



### Adjust the Magnification

Change your spotting scope's magnification by simply turning the Magnification Adjustment Ring:

- Increase the magnification by turning the Adjustment Ring clockwise.
- Decrease the magnification by turning the Adjustment Ring counterclockwise.

**Caution:** Never look directly into the sun (or any other intense light) with your Crossfire® HD spotting scope. This can permanently damage your eyes.

### Adjust the Focus

- After setting the magnification, some refocusing is usually required. To adjust the focus, rotate the Helical Focus until the image is in focus.



### Adjust the Eyecup

The Adjustable Eyecup on the Crossfire® HD spotting scopes twist up and down so you can observe the full field of view. With a total of four different positions, the Adjustable Eyecup will help with comfortable viewing for differences in facial structure and for use with or without glasses. To adjust the Eyecup down, spin clockwise. To adjust the Eyecup up, spin counterclockwise.

### Adjust the Viewing Angle (Crossfire® HD 65mm and 80mm only)

The tripod Mounting Collar allows you to rotate the spotting scope body for viewing flexibility.

- Turn the Thumb Screw counterclockwise to loosen the Mounting Collar.
- Rotate the spotting scope body to a comfortable viewing angle.
- Turn the Thumb Screw clockwise to secure the spotting scope's position.



**Extend the Sunshade (Crossfire® HD 65mm and 85mm only)**

Extend the Sunshade to block out interfering stray light. The Sunshade also shields the objective lens from damage and against precipitation.

**MAINTENANCE****Cleaning**

Your Crossfire® HD spotting scope requires very little routine maintenance other than periodically cleaning the exterior lenses. The spotting scope's 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 spotting scope components are permanently lubricated, so no additional lubricant should be applied.

**Note:** Other than to remove the Eyepiece, do not attempt to disassemble any spotting scope components. Disassembling of spotting scope may void warranty.

**Storage**

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

## 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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M-00364-0

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