









PRODUCT MANUAL

**RAZOR<sup>®</sup> HD**

SPOTTING SCOPES

## SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS DIAMETER		13-39x56	22-48x65	27-60x85
FIELD OF VIEW	Linear @ 1000 yds.	168' - 89'	138' - 84'	117' - 68'
	Angular	3.2° - 1.7°	2.7° - 1.6°	2.2° - 1.3°
CLOSE FOCUS		9.2'	26.2'	16.4'
EYE RELIEF		15.0 - 17.8mm	16.7 - 17.0mm	16.7 - 17.0mm
LENGTH	Angled	10.4"	14.8"	15.5"
	Straight	11.1"	15.6"	16.2"
WEIGHT	Angled	27.8 oz.	56.8 oz.	65.6 oz.
	Straight	28.5 oz.		
	Angled			
	Straight			

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

## RAZOR® HD SPOTTING SCOPES

One look through the eyepiece and you know: This is how a spotting scope should be. Setting the standard in high-end optical technologies, precision craftsmanship, and ultra-sleek functionality, the Razor® HD is one of the finest scopes on the market. Advanced optical elements eliminate aberrations for distortion-free, flat-field images with unmatched, edge-to-edge sharpness, as well as remarkable clarity, resolution, and color accuracy. Hunters, shooters, and outdoor enthusiasts who need a premium spotter that performs at the highest level have found their match. There are three configurations – 13-39x56 or 22-48x65 or 27-60x85 – and each includes a custom-fitted case.



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

### Attach the Eyepiece (56mm)

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 Razor® HD spotting scope.

1. **To attach the Eyepiece**, locate the indexing hole on the bottom side of the eye piece (indicated by a white mark) and the pin on the body of the spotting scope. Set the Eyepiece on the body of the spotting scope, and ensuring that the pin is in the index hole.
2. Rotate the Eyepiece Lock Ring clockwise until the Eyepiece is securely attached.
3. **To detach the eyepiece**, rotate the Eyepiece Lock Ring on the Eyepiece counterclockwise until it is unthreaded all the way.



### Attach the Eyepiece (65mm and 85mm)

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 Razor® HD spotting scope.

1. **To attach the Eyepiece**, rotate the Eyepiece Lock Ring on the spotting scope counterclockwise until the unlock symbol matches the raised dot on the spotting scope body. Match the Magnification Indication Line on the Eyepiece with the raised bar on the Eyepiece Lock Ring and insert the Eyepiece into the spotting scope body. While applying downward pressure rotate the Eyepiece clockwise until the Magnification Indication Line matches up with the raised dot on the spotting scope body. Rotate the Eyepiece Lock Ring clockwise until the raised bar matches up with the raised dot on the spotting scope body.
2. **To detach the Eyepiece**, rotate the Eyepiece Lock Ring on the spotting scope counterclockwise until the unlock symbol matches the raised dot on the spotting scope body. Rotate the Eyepiece counterclockwise until the Magnification Indicator Line matches up with the raised bar on the Eyepiece Lock Ring. Remove the Eyepiece from the scope body.



## Mount the Razor® HD Spotting Scope

Attach the Razor® HD to a tripod or car window mount for stability. The Razor® 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 Razor® HD tripod foot will also attach to any tripod or car-window mount that uses a 1/4"-20 thread pitch. Simply screw the compatible quick-release plate into the bottom of the tripod foot.



The tripod foot is Arca-Swiss compatible, and will mount to any Arca-Swiss tripod head without the use of additional plates. Or, attach any 1/4"-20 thread screw mount plate to use with other style tripods.

The tripod foot attaches to any tripod or car window mount that uses 1/4"-20 screw threads.

## Adjust the Magnification (56mm)

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

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

## Adjust the Magnification (65mm and 85mm)

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

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

**Caution:** Never look directly into the sun (or any other intense light) with your Razor® 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 Dial until the image is in focus.



### Adjust the Eyecup

The Adjustable Eyecup on the Razor® HD spotting scope twists 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 (65mm and 85mm only)

The tripod mounting collar allows you to rotate the spotting scope body for viewing flexibility.

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



Mounting Collar Thumb Screw



### Extend the Sunshade (65mm and 85mm)

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



## MAINTENANCE

### Cleaning

Your Razor® HD spotting scope requires very little routine maintenance other than periodically cleaning the exterior lenses. The 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 or the Sunshade (56mm only), do not attempt to disassemble any spotting scope components. Disassembling of spotting scope may void warranty.

### Storage

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

## NOTICE

### Virtual Patent Marking Notice by Vortex Optics

This product may be protected by patents in the U.S. and elsewhere for Vortex Optics. <http://vtx.legal> website is provided to satisfy the virtual patent marking provisions of various jurisdictions including the virtual patent marking provisions of the America Invents Act and provide notice under 35 U.S.C. §287(a). Please visit <http://vtx.legal> to view list of products that may be covered by one or more U.S./Foreign patents or published patent applications.



## VIP WARRANTY

### OUR UNCONDITIONAL PROMISE TO YOU.

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

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

You do not have to register, save the box, or a receipt for the Warranty to be honored.

**Learn more at [VortexOptics.com](http://VortexOptics.com)**

[service@VortexOptics.com](mailto:service@VortexOptics.com) • 1-800-4VORTEX

*Note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.*

For additional and latest manuals, visit [VortexOptics.com](http://VortexOptics.com)







M-00108-2

© 2023 Vortex Optics

® Registered Trademark and TM Trademark of Vortex Optics.