





PRODUCT MANUAL




DIAMONDBACK[®] HD

BINOCULARS

SPECIFICATIONS

				
MAGNIFICATION X OBJECTIVE LENS DIAMETER	8x28	10x28	8x32	10x32
LINEAR FIELD OF VIEW (@1000 YARDS)	332'	273'	426'	340'
ANGULAR FIELD OF VIEW	6.2°	5.1°	8.1°	6.5°
CLOSE FOCUS	6.0'	6.0'	5.0'	6.0'
EYE RELIEF	18.0mm	16.0mm	16.0mm	14.0mm
INTERPUPILLARY DISTANCE	55mm - 72mm	57mm - 73mm	55mm - 72mm	57mm - 73mm
DIOPTRER RANGE	±3	±3	±4	±4
HEIGHT	4.6"	4.6"	4.4"	4.4"
WIDTH	4.5"	4.5"	5.0"	5.0"
WEIGHT	13.7 oz.	13.3 oz.	15.9 oz.	16.0 oz.

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

					
MAGNIFICATION X OBJECTIVE LENS DIAMETER	8x42	10x42	10x50	12x50	15x56
LINEAR FIELD OF VIEW (@1000 YARDS)	393'	330'	315'	271'	230'
ANGULAR FIELD OF VIEW	7.5°	6.3°	6.0°	5.2°	4.4°
CLOSE FOCUS	5.0'	5.0'	6.0'	6.0'	14.0'
EYE RELIEF	17.0mm	15.0mm	17.0mm	14.0mm	15.6mm
INTERPUPILLARY DISTANCE	55mm - 73mm	55mm - 73mm	60mm - 75mm	60mm - 75mm	59mm - 76mm
DIOPTRER RANGE	±4	±4	±5	±5	±3
HEIGHT	5.7"	5.7"	6.6"	6.4"	7.1"
WIDTH	5.1"	5.1"	5.3"	5.3"	5.8"
WEIGHT	21.8 oz.	21.3 oz.	30.0 oz.	28.9 oz.	34.8 oz.

DIAMONDBACK® HD BINOCULARS

Made for hunters who demand hard-working, reliable optics, the Diamondback® HD delivers sharp resolution, enhanced contrast, and rugged durability. Lightweight yet tough enough to go the distance, it's a strong lineup designed to handle any kind of hunt. A true workhorse, Diamondback® HD gives you the clarity, utility, and trust you need to consistently punch more tags.



BASIC OPERATION

Adjust the Eyecups

The Eyecups on the Diamondback® 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.



How To Attach the Harness Straps

Step 1: Place the GlassPak™ Binocular Case face down with the base towards you. Lay the Binocular Harness Straps down with the Vortex Logo facing up. Flip the Strap Adjuster up. Take the end of the upper Binocular Harness Strap and slide it through the bottom slot of the Strap Adjuster away from the user. Flip the Strap Adjuster back down and then thread the end of the Binocular Harness Strap back through the top of the Strap Adjuster towards the user. Repeat on other side.



Step 2: Clip one side of the Quick-Release Buckles on the base of the GlassPak™ Binocular Case. Slip the Binocular Harness Straps over your head so the harness is on your back and the case is on your chest. Clip the other side of the Quick-Release Buckle on the base of the GlassPak™ Binocular Case. Adjust straps for proper fit.



Step 3: Disconnect the Tether Straps from your Harness. Free the end of the Tether Straps. Thread the end through the Binocular Attachment on the binoculars. Then back up under the Tether Strap Adjuster and back over the top so the tag end is pointed up towards user. Reconnect the Tether Straps to your Harness.



For the proper procedure to attach the harness straps scan the QR code for a video tutorial.



SCAN FOR HARNESS STRAP
INSTRUCTION VIDEO

Lens Covers

The Diamondback® 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 padded 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 of 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

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

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

For the most up to date manual visit VortexOptics.com



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