

Vortex RP-100

Vortex Optics Recce Pro HD 8x32 Monocular User Manual

Model: RP-100

INTRODUCTION

The Vortex Optics Recce Pro HD 8x32 Monocular is a high-performance optical instrument designed for tactical and reconnaissance applications. It features an 8x magnification and a 32mm objective lens, providing clear and bright images.

Equipped with a mil-based reticle, this monocular assists users with precise range estimation and shot calling. Its HD optical system, featuring high-density, extra-low dispersion glass and XR anti-reflective coatings, ensures exceptional image clarity and light transmission.

Designed for durability and ease of use, the Recce Pro HD includes a large, easy-to-adjust focus wheel for smooth one-handed operation, a flared eyecup for comfortable viewing, and a versatile utility clip for convenient attachment. The robust rubber armor provides a non-slip grip and enhances durability, while Armortek coatings protect the lenses from scratches, oil, and dirt. The unit is fully waterproof and fogproof, making it suitable for use in various environmental conditions.



Image: The Vortex Recce Pro HD 8x32 Monocular, showcasing its compact design and objective lens.

SETUP

Component Identification

Familiarize yourself with the key components of your Recce Pro HD monocular:



Image: Diagram illustrating the main components of the Recce Pro HD Monocular, including the fold-down flared eyecup, reticle focus, image focus, objective lens, strap attachment, and utility clip.

- **Fold-down Flared Eyecup:** Adjusts for comfortable viewing and blocks extraneous light. Can be folded down for use with eyeglasses.
- **Reticle Focus:** Used to sharpen the reticle image.
- **Image Focus:** Large wheel for focusing the optical image.
- **Objective Lens:** The front lens that gathers light.
- **Strap Attachment:** Point for securing a neck strap or lanyard.
- **Utility Clip:** Attaches to webbing or pockets for quick access.

Eyecup Adjustment

The flared eyecup can be adjusted to provide optimal eye relief and block stray light. For users not wearing eyeglasses, extend the eyecup fully. If wearing eyeglasses, fold the eyecup down to achieve the full field of view.

Focusing the Monocular

1. **Reticle Focus:** First, look through the monocular and adjust the *Reticle Focus* ring until the reticle appears sharp and clear. This adjustment is crucial for accurate range estimation.
2. **Image Focus:** Once the reticle is sharp, use the large *Image Focus* wheel to bring the observed object into sharp focus. This wheel is designed for smooth, one-handed operation.

Attaching the Utility Clip

The versatile utility clip can be securely attached to pack webbing, belts, or pocket edges for quick and convenient access to your monocular. Ensure the clip is firmly seated to prevent accidental detachment.

OPERATING

Using the MRAD Reticle

The Recce Pro HD features a mil-based reticle designed for range estimation and target acquisition. The reticle includes quick-ranging silhouettes to assist with determining distances to known objects. Understanding the mil-radian system is essential for effective use of this feature.

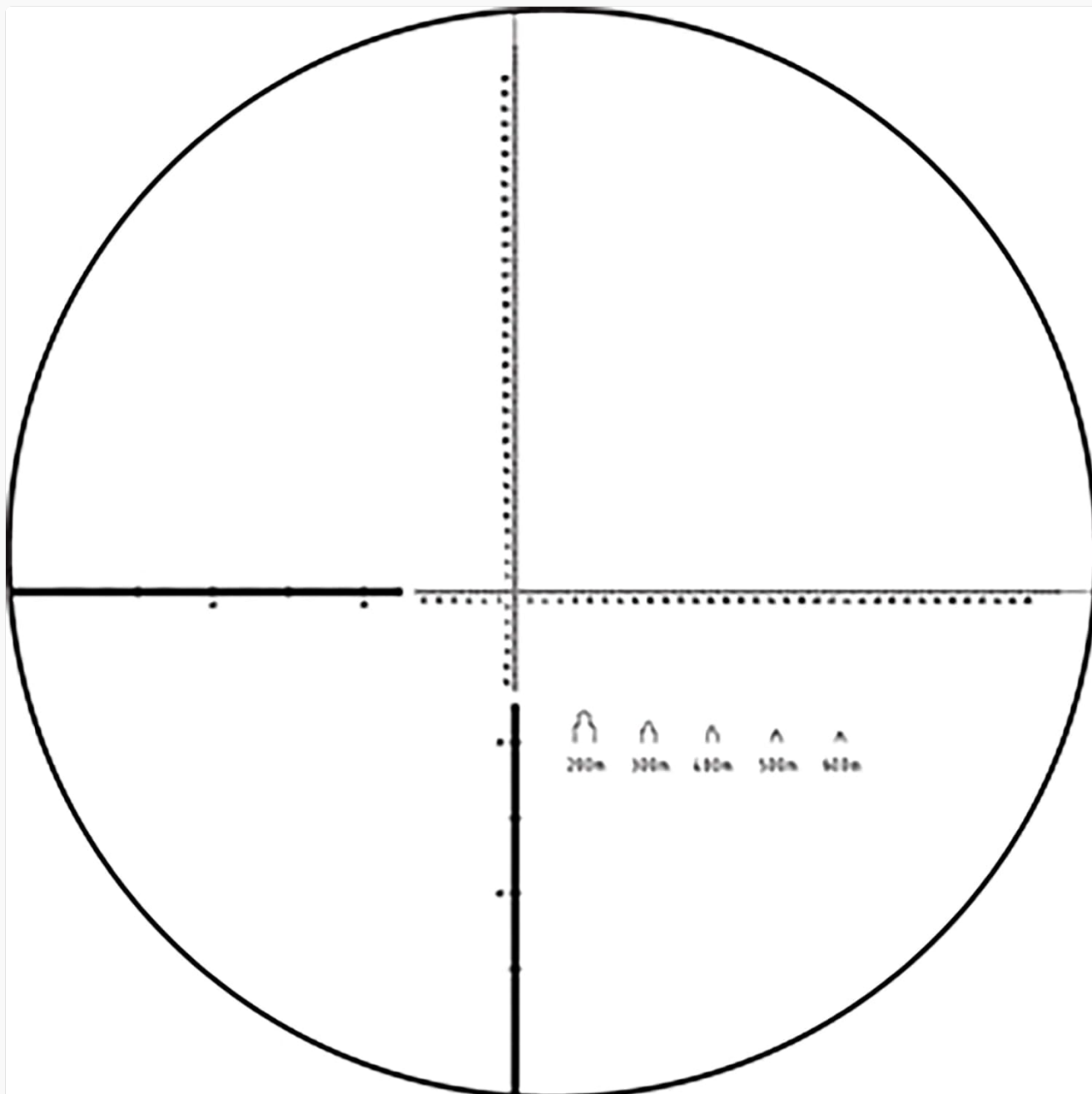


Image: Detailed view of the MRAD Reticle pattern within the monocular, showing measurement markings and quick-ranging silhouettes.

For detailed instructions on using the MRAD reticle for range estimation, refer to specialized guides on mil-radian calculations. The reticle's design allows for precise measurements and assists in calling shots or performing reconnaissance work.

MAINTENANCE

Cleaning Lenses

The lenses of your Recce Pro HD monocular are protected by Armortek coatings, which resist scratches, oil, and dirt. To clean the lenses:

- Gently brush away any loose dust or debris with a soft lens brush or compressed air.
- Apply a small amount of lens cleaning solution to a clean microfiber lens cloth.
- Wipe the lens surface in a circular motion, starting from the center and moving outwards.
- Avoid using harsh chemicals, abrasive cloths, or excessive pressure, as these can damage the coatings.

Waterproof and Fogproof Care

The Recce Pro HD is fully waterproof and fogproof, designed to perform in challenging conditions. While it is sealed against moisture, avoid unnecessary submersion. If the monocular gets wet, wipe it dry with a clean cloth. Do not attempt to disassemble the unit, as this will compromise its waterproof and fogproof integrity and void the warranty.

Storage

When not in use, store the monocular in a cool, dry place, preferably in its protective pouch. Keep lens caps on to prevent dust accumulation and protect the lenses from impact.

TROUBLESHOOTING

Blurry Image

- Ensure both the *Reticle Focus* and *Image Focus* wheels are properly adjusted for your eye and the viewing distance.
- Check if the objective lens or eyecup lens is dirty. Clean according to the "Cleaning Lenses" section.
- Verify that the eyecup is correctly positioned for your eye relief (extended for no glasses, folded for glasses).

Reticle Not Clear

- Adjust the *Reticle Focus* ring until the reticle appears sharp. This is independent of the image focus.

Difficulty with Range Estimation

- Ensure you have a clear understanding of the mil-radian system and how to use the reticle's markings. Practice with known distances.
- Verify the reticle is in sharp focus.

SPECIFICATIONS

Feature	Detail
Brand	Vortex
Model Name	RP-100
Optical Tube Length	6.18 Inches
Eyepiece Lens Description	High-density, extra-low dispersion glass with XR anti-reflective coatings
Objective Lens Diameter	32 Millimeters

Product Dimensions	7.4"D x 3.6"W x 3.1"H
Focus Type	Manual Focus


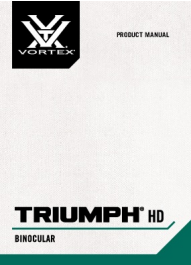

WARRANTY & SUPPORT

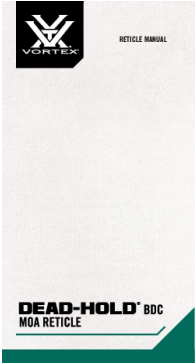

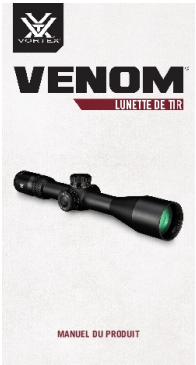
The Vortex Recce Pro HD 8x32 Monocular is backed by the Vortex VIP Warranty. This is an unlimited, unconditional, and lifetime warranty.

The VIP Warranty is a fully transferable promise to repair or replace your item if it becomes damaged or defective. This warranty does not cover loss, theft, deliberate damage, or cosmetic damage that does not hinder the performance of the product.

For warranty claims or technical support, please contact Vortex Optics directly through their official website or customer service channels.

Related Documents - RP-100

	<p>Vortex Razor HD Gen III 6-36x56 Riflescope Product Manual</p> <p>Comprehensive product manual for the Vortex Razor HD Gen III 6-36x56 Riflescope, detailing its features, controls, installation, mounting, sighting-in procedures, maintenance, troubleshooting, and VIP warranty information.</p>
	<p>Vortex Triumph HD 10x42 Binocular Product Manual</p> <p>Comprehensive product manual for the Vortex Triumph HD 10x42 binoculars, covering specifications, basic operation, accessories like the GlassPak harness, maintenance, and VIP warranty information.</p>
	<p>Vortex Diamondback Tactical Riflescope EBR-2C MOA Reticle Manual</p> <p>A comprehensive guide to the Vortex Diamondback Tactical riflescope's EBR-2C MOA reticle. Learn about MOA subtensions, ranging formulas, elevation holdovers, windage corrections, and moving target leads to enhance your long-distance shooting accuracy.</p>

	<p>Vortex Dead-Hold BDC MOA Reticle Manual</p> <p>A comprehensive guide to using the Vortex Dead-Hold BDC MOA reticle for accurate bullet-drop compensation and windage corrections in long-range shooting.</p>
	<p>Vortex Micro3X Magnifier: User Manual and Mounting Guide</p> <p>Detailed user manual for the Vortex Micro3X Magnifier, covering installation, quick-release mount operation, height adjustments, focus, lens care, and the Vortex VIP warranty. Optimized for search engines.</p>
	<p>Manuel du produit Vortex Venom 5-25x56 Lunette de tir</p> <p>Manuel d'utilisation complet pour la lunette de tir Vortex Venom 5-25x56, couvrant les spécifications, l'installation, les ajustements, l'entretien et le dépannage.</p>