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› Vortex Optics Solo Monocular 10x36 Instruction Manual

Vortex S136

Vortex Optics Solo Monocular 10x36 Instruction Manual

Model: S136

INTRODUCTION

The Vortex Optics Solo Monocular 10x36 is a compact, lightweight optical instrument designed for clear viewing. Featuring 10x magnification and a 36mm objective lens, it is equipped with fully multi-coated lenses for bright, sharp images. Its rubber-armored body provides a secure grip and enhanced durability, while nitrogen purging and O-ring seals ensure waterproof and fogproof performance in various environmental conditions.



COMPONENTS

Familiarize yourself with the key components of your Solo Monocular:

- **Objective Lens:** The large lens at the front of the monocular that gathers light.
- **Eyepiece:** The lens through which you look to view the image.
- **Twist Eyecup:** Adjustable eyecup for comfortable viewing with or without eyeglasses.
- **Focus Wheel:** Used to adjust the focus for a clear image.
- **Rubber Armor:** Provides a non-slip grip and protects the monocular from impacts.
- **Utility Clip:** Allows for convenient attachment to belts, straps, or pockets.



Figure 2: Labeled Components of the Solo Monocular

SETUP

1. **Attach Lanyard (Optional):** If desired, attach the provided lanyard to the monocular's strap loops for secure carrying.
2. **Adjust Eyecup:** Rotate the twist eyecup counter-clockwise to extend it for use without eyeglasses. If wearing eyeglasses, keep the eyecup fully retracted.
3. **Prepare for Viewing:** Remove the objective lens cap and eyepiece cap.

OPERATING INSTRUCTIONS

Focusing

1. Hold the monocular to your eye, ensuring a comfortable and stable grip.
2. Look through the eyepiece at your desired subject.
3. Rotate the focus wheel (located near the eyepiece) until the image appears sharp and clear.

Adjustable Eyecup

The twist eyecup allows for customized eye relief, which is the optimal distance between your eye and the eyepiece lens for a full field of view.

- **For non-eyeglass wearers:** Extend the eyecup by twisting it counter-clockwise until you achieve a full, clear field of view without any dark rings or vignetting.
- **For eyeglass wearers:** Keep the eyecup fully retracted by twisting it clockwise. This allows your eyeglasses to provide the necessary eye relief.



Figure 3: Proper Monocular Usage

MAINTENANCE

Proper care ensures the longevity and performance of your monocular.

- **Cleaning Lenses:** Use a soft brush to remove dust and loose debris. For smudges or fingerprints, use a clean microfiber cloth and a specialized lens cleaning solution. Breathe lightly on the lens to create condensation, then gently wipe with the cloth. Avoid using harsh chemicals or abrasive materials.
- **Cleaning Body:** Wipe the rubber armor with a soft, damp cloth.
- **Storage:** Store the monocular in a cool, dry place, away from direct sunlight and extreme temperatures. Keep lens caps on when not in use to protect the optics.
- **Waterproof/Fogproof:** While the monocular is waterproof and fogproof, avoid unnecessary exposure to water or extreme temperature changes to maintain its seals.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Blurred image	Incorrect focus setting.	Rotate the focus wheel until the image is sharp.
Dark rings or partial view	Improper eye relief.	Adjust the twist eyecup. Extend for non-eyeglass wearers, retract for eyeglass wearers.
Image appears dim	Low light conditions or dirty lenses.	Ensure lenses are clean. Use in adequate lighting.
Fogging inside lens	Extreme temperature change or seal compromise.	Allow monocular to acclimate to temperature. If persistent, contact Vortex Optics for service.

SPECIFICATIONS

Feature	Detail
Magnification	10x
Objective Lens Diameter	36 mm
Optical Tube Length	5 inches (12.7 cm)
Eyepiece Lens Description	Monocentric
Focus Type	Manual Focus
Lens Coating	Fully Multi-Coated
Field of View	6.2 degrees
Exit Pupil Diameter	3.6 mm
Product Dimensions (D x W x H)	12.4D x 5.5W x 6H cm
Item Weight	9.7 ounces (274.99 g)
Special Features	Adjustable Eyecup, Utility Clip
Environmental Protection	Waterproof, Fogproof (Nitrogen purged and O-ring sealed)
Model Number	S136

WARRANTY AND SUPPORT

The Vortex Optics Solo Monocular 10x36 is backed by an **Unlimited, Unconditional Lifetime Warranty**. This warranty covers any defects in materials or workmanship, and Vortex Optics will repair or replace your product at no charge.

For warranty service or technical support, please contact Vortex Optics directly.

Manufacturer: Vortex Optics

Place of Business: MIDDLETON, WI, 53562 US

For contact information, please visit the official Vortex Optics website.