Vector Optics Veyron

Vector Optics 4-16x44IR SFP Compact Riflescope User Manual

Model: Veyron

1. Introduction

This manual provides comprehensive instructions for the proper use, installation, and maintenance of your Vector Optics 4-16x44IR SFP Compact Riflescope. Designed for precision and versatility, this riflescope features fully multi-coated optics, an illuminated reticle, and precise adjustment mechanisms. Please read this manual thoroughly before operating the device to ensure optimal performance and safety.

2. Product Features

- **Compact Design:** Ultra-short 268mm (10.5in) 30mm monotube scope for versatile mounting and maneuverability.
- **Precision Adjustments:** Equipped with 1/10 MIL adjustments and a turret lock system for accurate windage and elevation changes.
- **Enhanced Optics:** Fully multi-coated lenses deliver clear, bright images with 87% light transmission. Side focus (min @ 10 yds) provides accurate parallax correction.
- **Illuminated Reticle:** Center dot illuminated etched glass reticle with six levels of red illumination for enhanced visibility in various lighting conditions.
- **Durable Construction:** Shockproof (750G), water-resistant (IPX6), and fogproof aluminum body.
- **Versatile Application:** Suitable for AR/AK platforms, airguns, airsoft, and CQB, for both indoor and outdoor use.

3. Components Overview



Figure 3.1: Overall view of the Vector Optics 4-16x44IR SFP Compact Riflescope, showing the objective lens, ocular lens, and adjustment turrets.



Figure 3.2: Diagram illustrating the riflescope's application, highlighting its shockproof (750G) and water-resistant (IPX6) properties, and suitability for various platforms and environments.



Figure 3.3: Included accessories: scope rings, flip-up lens caps, honeycomb sunshade, cleaning cloth, and user manual.

4. Setup and Installation

4.1 Mounting the Riflescope

The riflescope comes with Weaver Mount compatible rings. Ensure your firearm has a compatible rail system.

1. Securely attach the mounting rings to your firearm's rail, ensuring proper eye relief and alignment.
2. Place the riflescope into the rings, ensuring the reticle is level.
3. Tighten the ring screws evenly to secure the riflescope without over-tightening, which can damage the tube.

4.2 Attaching Accessories

- **Honeycomb Sunshade:** Screw the sunshade onto the objective lens end of the scope to reduce glare in bright conditions.
- **Flip-up Lens Caps:** Attach the caps to the objective and ocular lenses for protection when not in use.

5. Operating Instructions

5.1 Magnification Adjustment



Figure 5.1: The magnification ring, located near the ocular lens, allows adjustment from 4x to 16x zoom.

Rotate the magnification ring, located near the ocular lens, to adjust the zoom level from 4x to 16x. The current magnification setting is indicated by the numerical markings on the ring.

5.2 Parallax Adjustment (Side Focus)

The side focus knob, located on the left side of the scope, is used to eliminate parallax error and achieve a clear image at various distances. Rotate the knob until the target appears sharp and the reticle does not shift relative to the target when you move your eye slightly.

The minimum parallax adjustment is 10 yards.

5.3 Windage and Elevation Adjustments

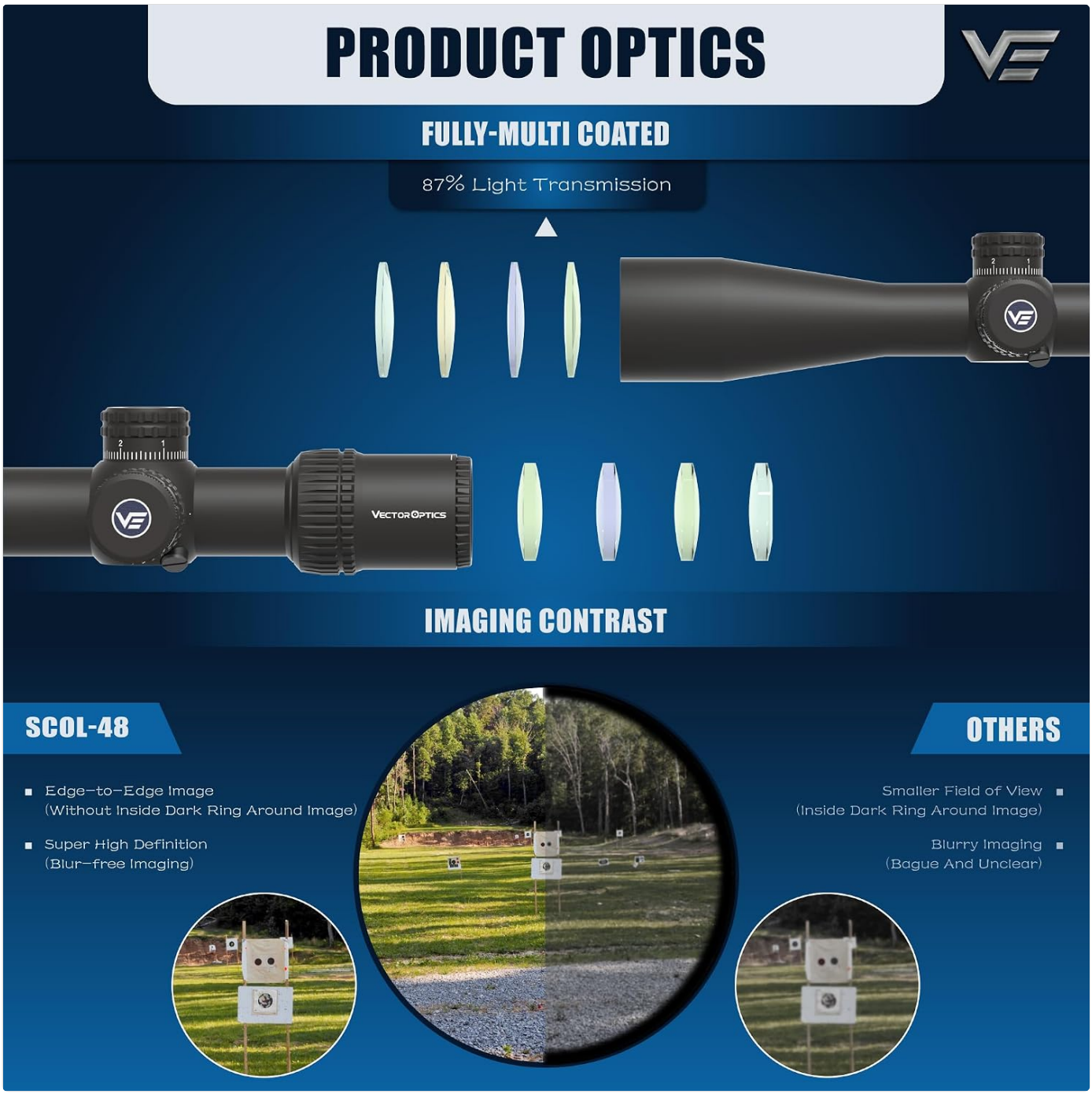


Figure 5.2: The windage (right) and elevation (top) turrets with 1/10 MIL click adjustments and a turret lock system.

The riflescope features precise 1/10 MIL click adjustments for both windage (horizontal) and elevation (vertical). Each click moves the point of impact by 1/10 MIL at 100 yards.

- **Elevation Turret:** Located on top of the scope. Rotate to adjust vertical point of impact.
- **Windage Turret:** Located on the right side of the scope. Rotate to adjust horizontal point of impact.
- **Turret Lock System:** To make adjustments, pull the turret knob upwards. After adjustment, push the knob down to lock it in place and prevent accidental changes.

5.4 Reticle Illumination



Figure 5.3: Diagram showing the etched glass reticle with six levels of red illumination. The illumination dial is integrated with the parallax knob.

The reticle features a center dot with six levels of red illumination. The illumination control is integrated into the side focus knob. Rotate the outer ring of the side focus knob to turn on the illumination and select the desired brightness level. Turn it back to "0" to switch off the illumination.

Note: Some users may find the illumination dial initially stiff. It will become smoother with continued use.

6. Maintenance and Care

- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface to remove dust and smudges. For stubborn marks, a small amount of lens cleaning fluid can be applied to the cloth, not directly to the lens.
- **Cleaning Body:** Wipe the riflescope body with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the flip-up lens caps to protect the lenses.
- **Water Resistance:** The scope is IPX6 water-resistant, meaning it is protected against high-pressure water streams from

any angle. However, it is not designed for submersion. Dry the scope thoroughly if it gets wet.

7. Troubleshooting

Problem	Possible Cause	Solution
Blurry image or reticle	Incorrect parallax adjustment; dirty lenses; improper diopter setting.	Adjust the side focus knob until the image is clear. Clean the lenses. Adjust the diopter on the ocular lens for your eye.
Point of impact shifts	Mounting rings not tightened properly; turrets not locked; recoil.	Ensure mounting rings are securely tightened. Push down the turrets to lock them after adjustment.
Illumination not working or dim	Battery drained; illumination dial stiff.	Replace the battery (CR2032, typically). Continue to use the dial to loosen it.
Difficulty turning illumination dial	New product stiffness.	The dial may be stiff initially. It will become smoother with regular use.

8. Specifications

Feature	Detail
Magnification	4-16x
Objective Lens Diameter	44 mm
Ocular Lens Diameter	33 mm
Tube Diameter	30 mm Monotube
Eye Relief	90-85 mm / 3.5-3.4 inches
Field of View	6.6 - 26.2 feet @ 100 yards
Click Value	1/10 MIL
Adjustment Range	17.5 MIL
Optical Coating	Fully Multi-Coated (MPR-V10)
Reticle Type	Etched Glass (Center Dot Illuminated)
Illumination Levels	6 levels, Red
Parallax Setting	10 yards to infinity (Side Focus)
Weight	555g / 19.6 oz (Scope only)
Length	268 mm / 10.5 inches
Material	High-Quality Aluminum
Waterproof Rating	IPX6

Feature	Detail
Shockproof	750G

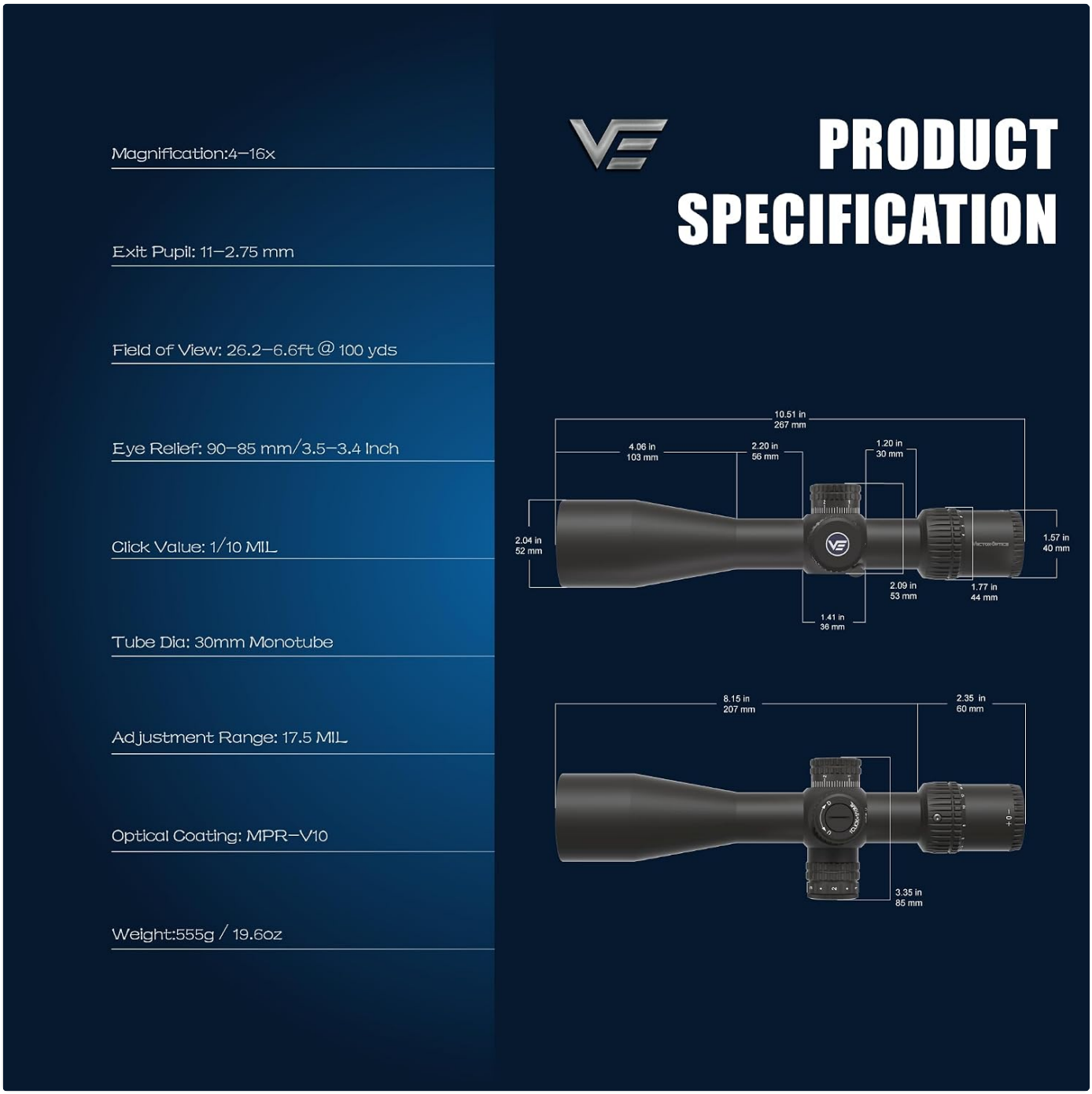


Figure 8.1: Detailed dimensions of the riflescope, including length, tube diameter, and turret heights.



Figure 8.2: Diagram illustrating the objective and ocular lens diameters, along with magnification and eye relief.

9. Warranty and Support

Vector Optics provides a **5-year warranty** for this riflescope, covering manufacturing defects and material flaws. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty service, please contact Vector Optics customer service through their official website or the retailer where the product was purchased.

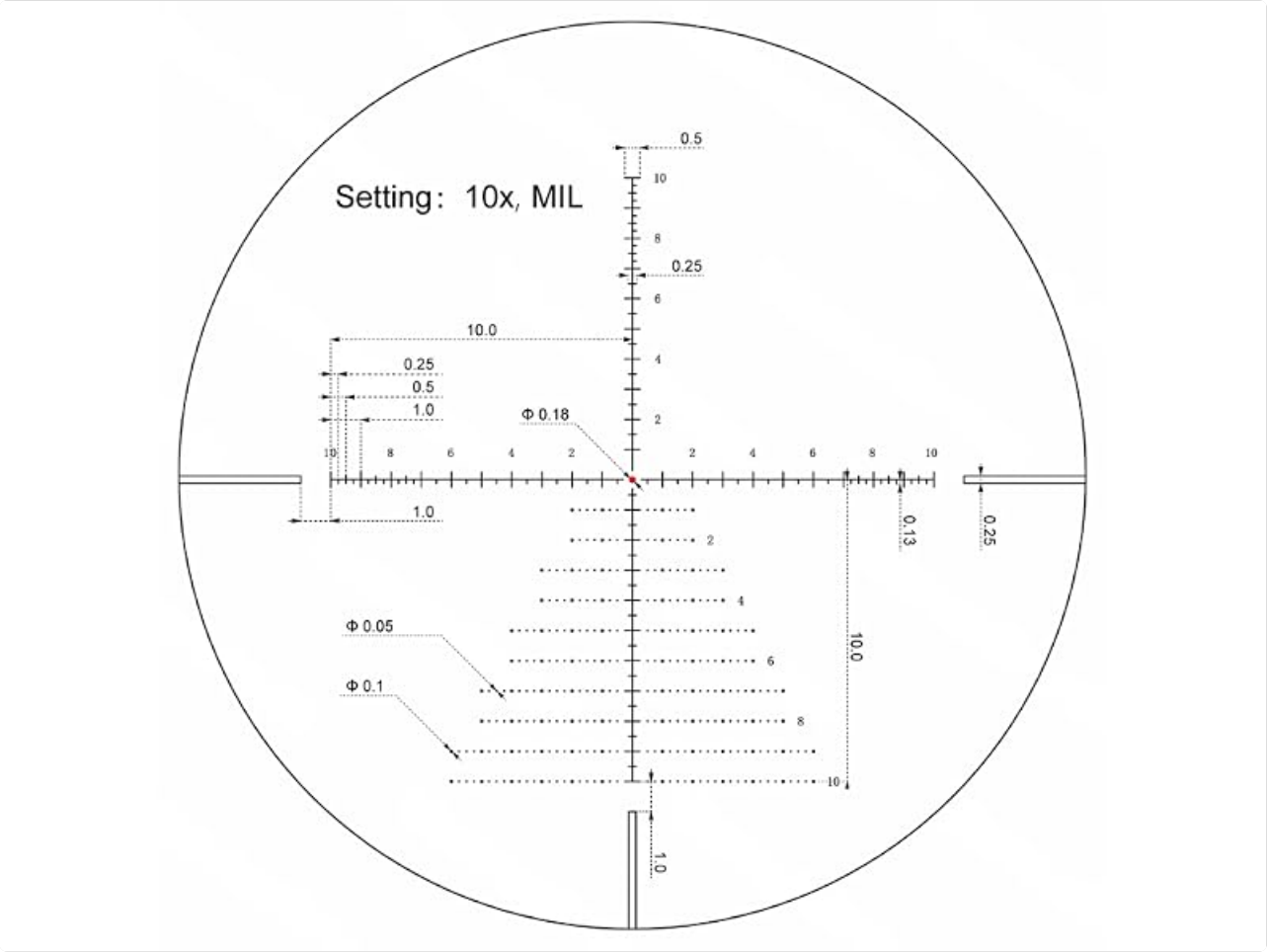


Figure 9.1: Image representing the Vector Optics brand, emphasizing quality and support.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Is this manual suitable for the Bestsight 4-16x44 riflescope?

This manual is specifically written for the Vector Optics Veyron 4-16x44IR SFP Compact Riflescope. While the Bestsight 4-16x44 and the Vector Optics Veyron share the same magnification (4-16x) and objective lens size (44mm), they...

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