

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Vector Optics](#) /
- › [Vector Optics SCFF-58 Sentinel 5-25x50 HD FFP Rifle Scope User Manual](#)

Vector Optics SCFF-58

Vector Optics SCFF-58 Sentinel 5-25x50 HD FFP Riflescope User Manual

Model: SCFF-58

1. PRODUCT OVERVIEW

The Vector Optics Sentinel series riflescopes are designed for both sport shooting and hunting applications. This 5-25x50 HD FFP model offers a true 5x zoom factor and high-resolution lanthanum lenses for clear, sharp images and realistic color accuracy. It is an ideal choice for beginners seeking experience with First Focal Plane (FFP) reticles.

Key Features:

- True 5x zoom factor.
- High-resolution lanthanum lenses for superior image clarity and color fidelity.
- First Focal Plane (FFP) reticle.
- Illuminated reticle with 6 brightness levels.
- Elevation adjustment up to 80 MOA with Zero Stop function.
- Windage adjustment up to 60 MOA.
- Shockproof, rainproof, and fogproof construction.



Image 1.1: The Vector Optics SCFF-58 Sentinel 5-25x50 HD FFP Rifle Scope, showcasing its overall design and turrets.

2. PACKAGE CONTENTS

Please inspect the package carefully to ensure all components are present and undamaged.

- Vector Optics SCFF-58 Sentinel 5-25x50 HD FFP Rifle Scope
- Mounting Rings (for 21mm Picatinny/Weaver rails)
- Cleaning Cloth
- Protective Lens Caps (for objective and eyepiece)
- Sunshade Tube
- CR2032 Battery (pre-installed or included separately)

Lieferumfang



Image 2.1: All items included in the package: riflescope, mounting rings, cleaning cloth, lens caps, and sunshade.

3. SETUP AND INSTALLATION

3.1 Mounting the Riflescope

1. Ensure your firearm is unloaded and pointed in a safe direction.
2. Attach the provided mounting rings to your 21mm Picatinny/Weaver rail. Position them appropriately for optimal eye relief.
3. Place the riflescope into the lower halves of the rings.
4. Install the upper halves of the rings and tighten the screws evenly, ensuring the riflescope is level and the reticle is plumb. Do not overtighten.
5. Adjust the riflescope forward or backward in the rings to achieve the correct eye relief for your shooting position.

3.2 Diopter Adjustment

The diopter adjustment allows you to focus the reticle for your individual eyesight, ensuring a sharp reticle image.

1. Point the riflescope at a plain, bright background (e.g., a clear sky or a blank wall).

2. Look through the eyepiece and quickly glance away. Then, look back through the eyepiece.
3. Adjust the diopter ring (located on the eyepiece) until the reticle appears perfectly sharp and clear the instant you look through the scope.
4. Once set, avoid further adjustment unless your eyesight changes or another user adjusts it.

3.3 Battery Installation (for Illuminated Reticle)

The illuminated reticle requires a CR2032 battery.

1. Locate the illumination control knob, typically on the left side of the riflescope.
2. Unscrew the battery cap.
3. Insert a fresh CR2032 battery with the positive (+) side facing outwards.
4. Screw the battery cap back on securely.

4. OPERATING THE RIFLESCOPE

4.1 Magnification Adjustment

The riflescope features a 5-25x magnification range. Rotate the magnification ring (located near the eyepiece) to adjust the power. The numbers on the ring indicate the current magnification setting.

Mit 5-25 facher Vergrößerung.



Image 4.1: The riflescope showing its 5-25x magnification capability.

4.2 Parallax Adjustment

Parallax is the apparent movement of the reticle in relation to the target when the shooter's eye moves off-center. The parallax adjustment knob (typically on the left side, opposite the windage turret) allows you to eliminate parallax error at various distances.

- Rotate the parallax adjustment knob to match the approximate distance to your target.
- To fine-tune, look through the scope and move your head slightly up and down or side to side. If the reticle appears to shift relative to the target, adjust the parallax knob until the reticle remains stationary.
- The parallax adjustment range is from 10 yards (9.144 meters) to infinity.

4.3 Windage and Elevation Adjustment

The windage (horizontal) and elevation (vertical) turrets are used to adjust the point of impact of your shots. Each click of the turret moves the point of impact by a specific amount.

- **Click Value:** Each click adjusts the point of impact by 1/4 MOA (Minute of Angle).
- **Elevation Adjustment:** The elevation turret (top) provides up to 80 MOA of vertical adjustment. It features a Zero Stop function, allowing you to return to your zero setting quickly and reliably.

- **Windage Adjustment:** The windage turret (right side) provides up to 60 MOA of horizontal adjustment.
- To adjust, lift the turret cap (if present) or rotate the exposed turret. Turn the turret in the direction indicated to move the point of impact.

Feine Justierung über Verstell-Türme

1 Klick = 1/4 MOA



60 MOA Seiten, & 80 MOA Höhenverstellung

Image 4.2: Fine adjustment turrets. Each click equals 1/4 MOA. The scope offers 60 MOA windage and 80 MOA elevation adjustment.

4.4 Illuminated Reticle

The reticle can be illuminated in red with 6 adjustable brightness levels. Rotate the illumination control knob (often integrated with the parallax knob) to turn the illumination on/off and select the desired brightness level. Turn it off when not in use to conserve battery life.

4.5 First Focal Plane (FFP) Reticle

This riflescope features a First Focal Plane (FFP) reticle. In an FFP scope, the reticle physically changes size as you adjust the magnification. This means that the subtensions (the spacing between reticle marks) remain constant relative to the target, regardless of the magnification setting. This is beneficial for range estimation and holdovers at any power setting.

Absehen auf der 1. Bildebene

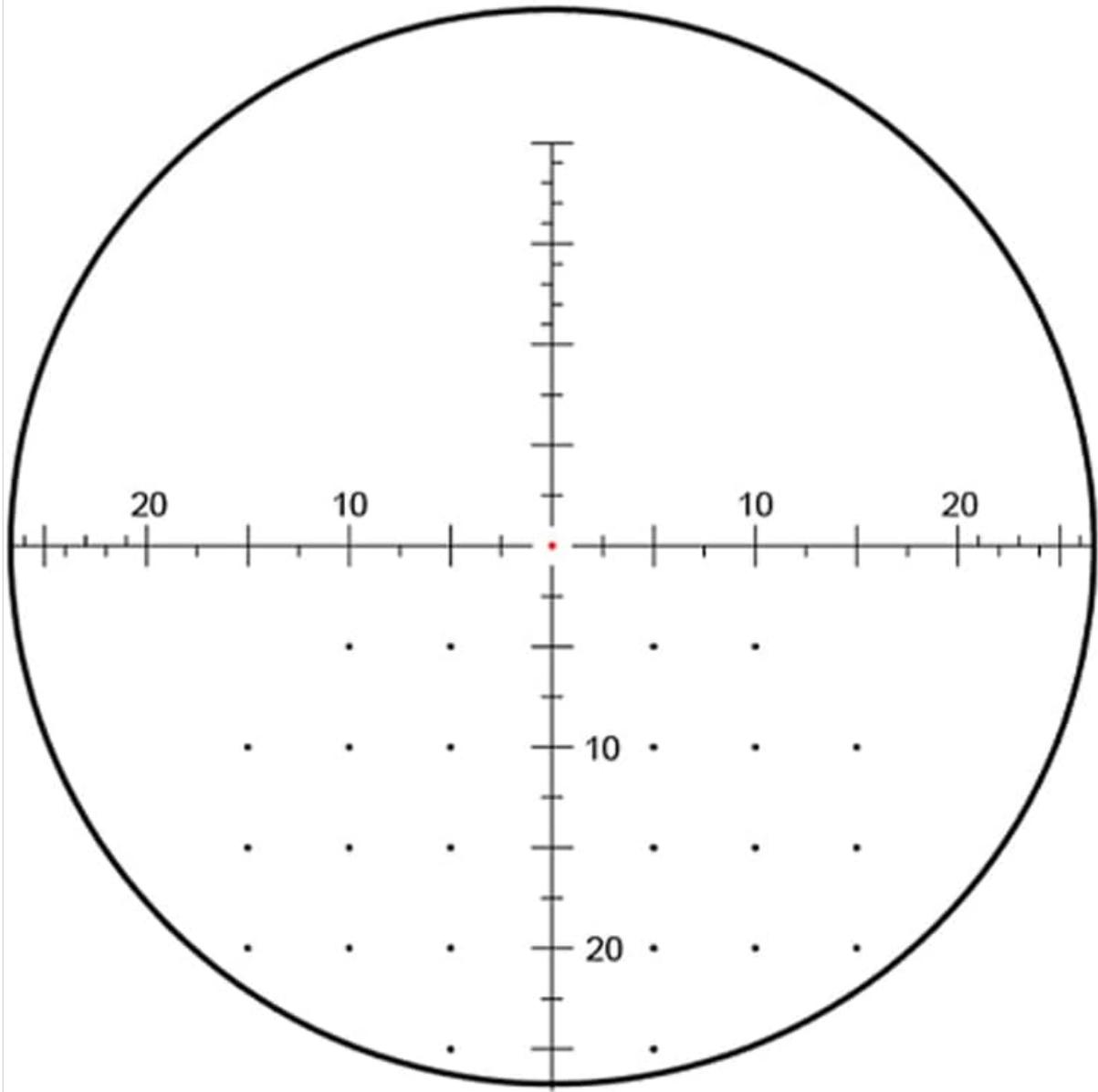


Image 4.3: View of the reticle, illustrating its position on the First Focal Plane.

Bemaßung Absehen

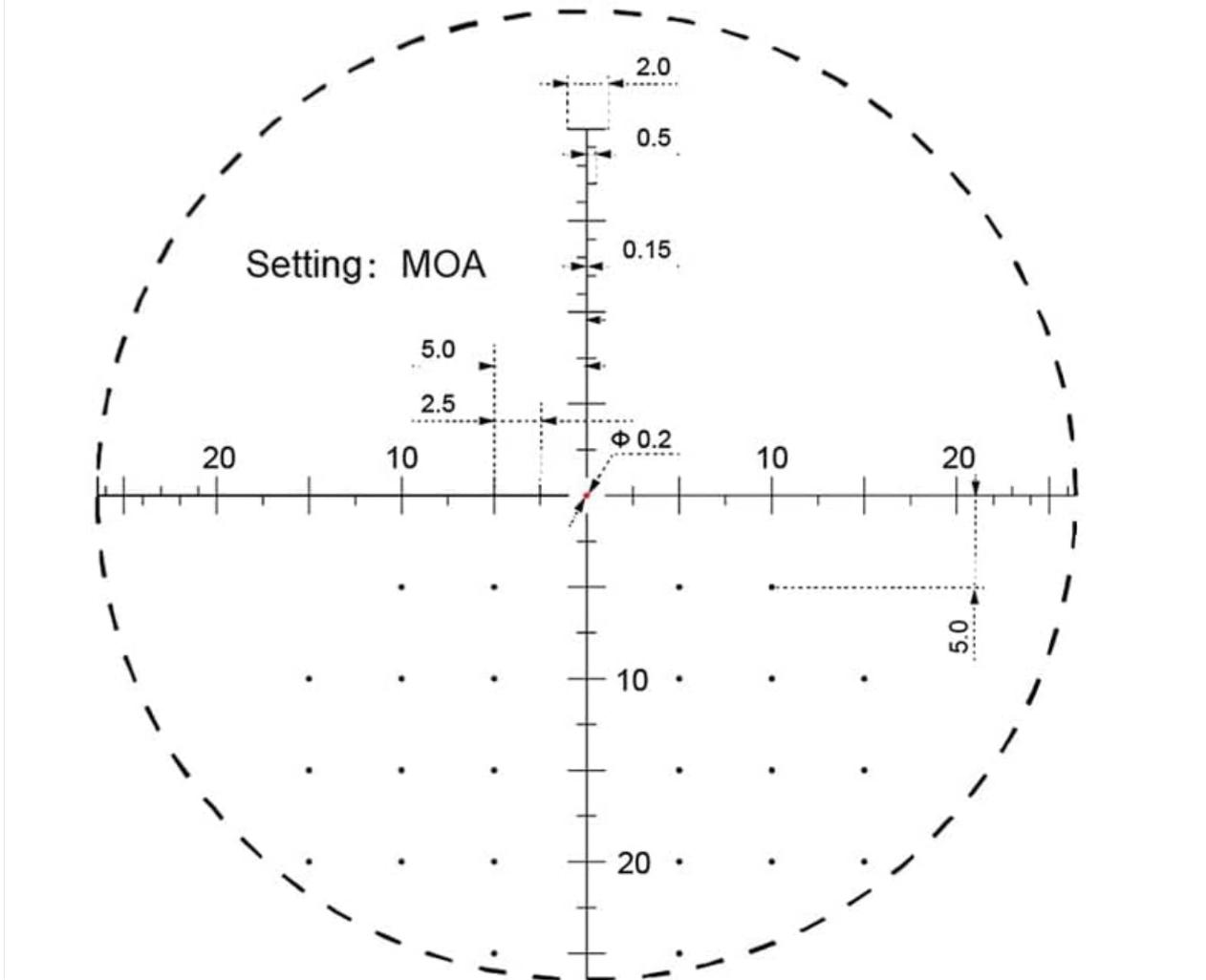


Image 4.4: Detailed diagram showing the reticle dimensions and MOA markings.

5. MAINTENANCE

5.1 Cleaning the Lenses

To maintain optimal optical performance, keep the lenses clean. Use the provided cleaning cloth or a high-quality lens cleaning kit.

- Gently brush off any loose dust or debris from the lens surfaces.
- Apply a small amount of lens cleaning solution (if using) to the cleaning cloth, not directly to the lens.
- Wipe the lenses in a circular motion, starting from the center and moving outwards.
- Avoid using harsh chemicals, abrasive cloths, or excessive force, as this can damage the lens coatings.

5.2 General Care and Storage

- Always use the protective lens caps when the riflescope is not in use to prevent scratches and dust accumulation.
- Store the riflescope in a cool, dry place, away from direct sunlight and extreme temperatures.

- The riflescope is designed to be shockproof, rainproof, and fogproof, but avoid unnecessary exposure to harsh conditions or impacts.
- Periodically check all mounting screws and rings for tightness.

6. TROUBLESHOOTING

If you encounter issues with your riflescope, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Image is blurry or out of focus	Incorrect diopter setting; Parallax not adjusted; Objective lens dirty	Adjust diopter for reticle sharpness; Adjust parallax for target sharpness; Clean objective lens.
Reticle illumination not working	Battery depleted or incorrectly installed; Illumination knob off	Replace CR2032 battery, ensuring correct polarity; Turn illumination knob to a brightness setting.
Point of impact shifts unexpectedly	Mounting rings loose; Riflescope damaged; Recoil shock	Check and tighten all mounting screws; If damage is suspected, contact support; Ensure proper mounting technique.
Fogging inside the scope	Extreme temperature changes; Seal compromise	Allow scope to acclimate to temperature; If persistent, contact support as internal seals may be compromised.

If these solutions do not resolve your issue, please contact Vector Optics customer support for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the Vector Optics SCFF-58 Sentinel 5-25x50 HD FFP Riflescope:

Feature	Specification
Model Number	SCFF-58 (also referred to as SCFF-44 in some documentation)
Magnification	5-25x
Objective Lens Diameter	55 mm
Tube Diameter	30 mm
Exit Pupil	10-2 mm
Overall Length	355 mm (13.98 inches)
Weight	792 g (1.75 lbs)
Optimal Eye Relief	95 mm
Field of View (at 100m)	7.7-1.5 m (4.4-0.88°)
Elevation Adjustment Range	80 MOA

Feature	Specification
Windage Adjustment Range	60 MOA
Click Value	1/4 MOA
Parallax Adjustment	10 yards (9.144 m) to infinity
Reticle Illumination	Red, 6 adjustable levels
Diopter Compensation	-2 to +2
Battery Type	CR2032 (included)
Environmental Resistance	Shockproof, Rainproof, Fogproof
Tested Calibers	.22LR, .223, 5.56mm, .308WIN, .300WIN, 30-06, 12GA
Material	Aluminum, Plastic, Glass

355mm Gesamtlänge



**792g leicht
30mm Tubus**



Geeignet für: .22LR, .223, 5.56mm, .308win

Image 7.1: Key physical specifications including length (355mm), weight (792g), tube diameter (30mm), and compatible calibers.

ABMESSUNGEN

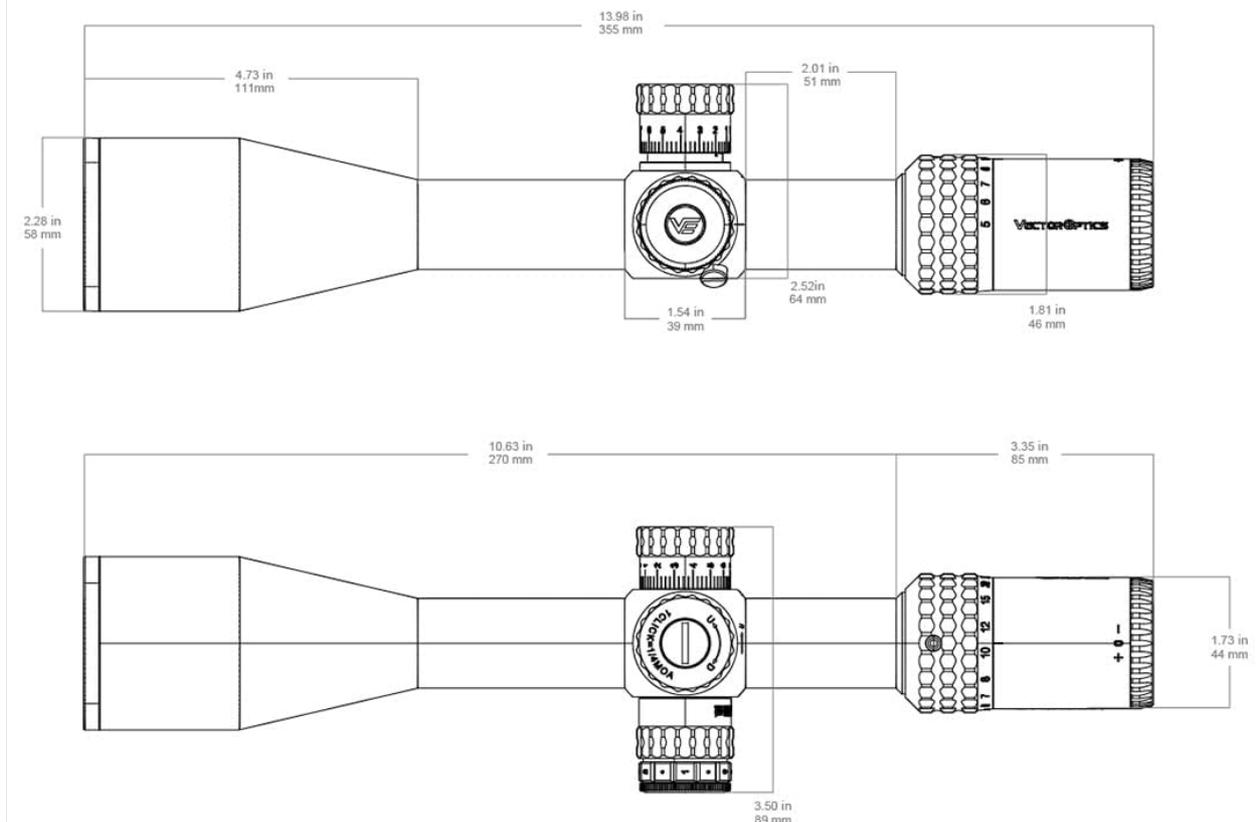


Image 7.2: Comprehensive dimensional drawing of the riflescope, showing various measurements in millimeters and inches.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Vector Optics products are typically covered by a manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official Vector Optics website for specific warranty terms and conditions applicable to your region.

8.2 Customer Support

For technical assistance, warranty claims, or any other inquiries regarding your Vector Optics SCFF-58 Sentinel riflescope, please contact Vector Optics customer support. Contact details can usually be found on the official Vector Optics website or in the product packaging.