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Vector Optics RDSL33 SRD 1X20X25

Vector Optics Victoptics RDSL33 SRD 1X20X25 Red Dot Sight User Manual

Model: RDSL33 SRD 1X20X25

1. Introduction and Overview

The Vector Optics Victoptics RDSL33 SRD 1X20X25 Red Dot Sight is a lightweight and versatile optical device designed for various applications, including sport, airsoft, and hunting. Its robust 7075-T6 aluminum housing ensures durability, while features like automatic brightness adjustment and a 3 MOA red dot enhance target acquisition. This sight is compatible with a range of firearms, from air rifles to calibers up to .308, and supports common mounting footprints such as Trijicon RMR/SRO, Holosun 407C/507C/508T, Riton, and Axion.

2. What's in the Box

Upon unpacking, please ensure all items listed below are present:

- Victoptics RDSL33 SRD 1X20X25 Red Dot Sight
- Cleaning Cloth
- Instruction Manual
- Adjustment Tools (as pictured)



Figure 2.1: Package contents including the red dot sight, cleaning cloth, and adjustment tools.

3. Product Features

- **Versatile Application:** Ideal for airsoft, paintball, and compatible with 9mm, .22LR, and .223 calibers, approved by the manufacturer.
- **3 MOA Red Dot:** Features a clear 3 MOA red dot for precise targeting.
- **Automatic Brightness Adjustment:** The red dot brightness adjusts automatically to ambient light conditions, including dimming in absolute darkness to conserve battery.
- **Robust Construction:** Manufactured from high-quality 7075-T6 aluminum, ensuring durability and a lightweight design (28g).
- **Multi-Coated Lenses:** Lenses are multi-coated for improved light transmission and clarity.
- **Adjustable Windage and Elevation:** Offers up to 100 MOA of adjustment for both windage and elevation.
- **Long Battery Life:** Provides up to 20,000 hours of operation on a single CR2032 battery.
- **Broad Compatibility:** Compatible with Trijicon RMR/SRO, Holosun 407C/507C/508T, Riton, and Axion mounting footprints.



Figure 3.1: The 3 MOA red dot and automatic brightness adjustment.

4. Specifications

Feature	Specification
Magnification	1x
Reflecting Lens Size	20 x 25 mm
Reticle Type	3 MOA Red Dot
Brightness Adjustment	Automatic
Windage/Elevation Adjustment Range	≥ 100 MOA
Parallax	<3 MOA

Feature	Specification
Housing Material	7075-T6 Aluminum
Dimensions (L x W x H)	45mm x 28mm x 28mm (1.77in x 1.10in x 1.10in)
Weight	28g (0.99 oz)
Battery Type	CR2032
Battery Life	Up to 20,000 hours
Mounting Footprint	MOJ (Compatible with Trijicon RMR/SRO, Holosun 407C/507C/508T, Riton, Axion)
Tested Caliber	Up to .308



Figure 4.1: Dimensions of the Red Dot Sight.

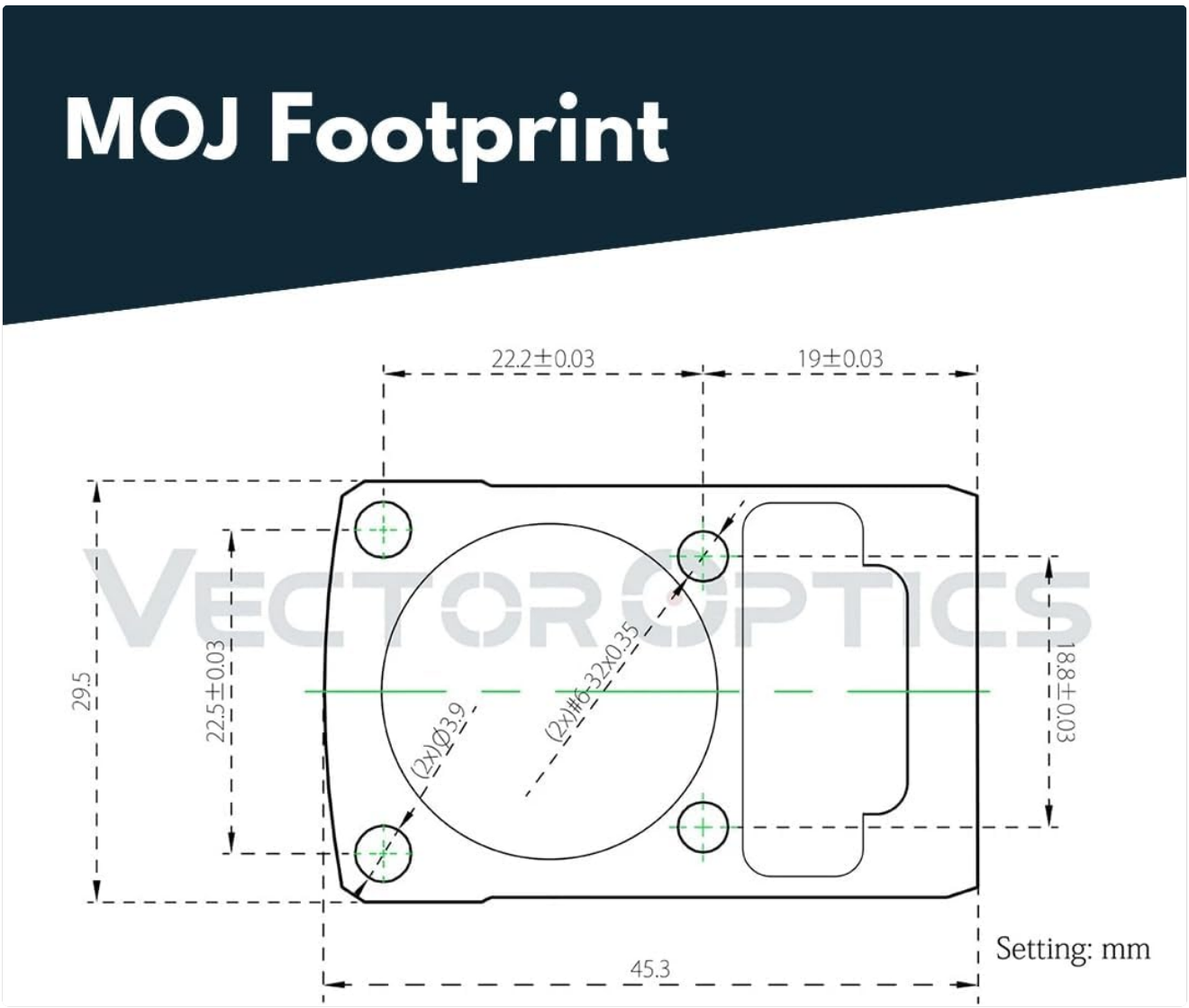


Figure 4.2: MOJ Footprint dimensions for compatible mounts.

5. Setup

5.1 Battery Installation

1. Locate the battery compartment, typically on the side or front of the sight.
2. Unscrew the battery cap using a suitable tool (if provided) or a coin.
3. Insert one CR2032 battery with the positive (+) side facing upwards.
4. Securely replace the battery cap.

5.2 Mounting the Sight

The RDSL33 SRD is designed to be mounted on firearms with compatible footprints (Trijicon RMR/SRO, Holosun 407C/507C/508T, Riton, Axion). A Picatinny/Weaver mount is not included but can be purchased separately if required for your firearm.

1. Ensure your firearm is unloaded and safe before proceeding.
2. Align the sight's footprint with the corresponding mount on your firearm.
3. Secure the sight to the mount using the appropriate screws and tools. Do not overtighten.
4. Verify that the sight is firmly attached and does not wobble.

6. Operating Instructions

6.1 Power On/Off and Brightness

The RDSL33 SRD features automatic brightness adjustment. The red dot will illuminate and adjust its intensity based on ambient light conditions. It will automatically power off in absolute darkness to conserve battery life.

6.2 Windage and Elevation Adjustment

To adjust the point of impact, use the windage and elevation adjustment screws located on the sight. These adjustments allow for precise zeroing of the red dot to your firearm.

1. **Elevation Adjustment:** The elevation adjustment screw is typically located on the top of the sight. Turning the screw will move the point of impact up or down.
2. **Windage Adjustment:** The windage adjustment screw is typically located on the side of the sight. Turning the screw will move the point of impact left or right.

Each click of the adjustment screw corresponds to a specific change in MOA (Minute of Angle). Refer to the sight's markings for direction (e.g., 'U' for Up, 'R' for Right). Adjustments can be made continuously up to 100 MOA.



Figure 6.1: Side view of the red dot sight, indicating adjustment points.

7. Maintenance

7.1 Cleaning the Lenses

To maintain optimal clarity, regularly clean the sight's lenses. Use the provided cleaning cloth or a soft, lint-free cloth designed for optical surfaces. Avoid using harsh chemicals or abrasive materials that could scratch the lens coatings.

1. Gently brush off any loose dust or debris from the lens surface.
2. Breathe lightly on the lens to create condensation, then wipe with the cleaning cloth in a circular motion.
3. For stubborn smudges, use a small amount of lens cleaning solution specifically designed for optics.

7.2 Battery Replacement

When the red dot appears dim or flickers, it may be time to replace the CR2032 battery. Follow the battery installation steps outlined in Section 5.1.

7.3 Storage

Store the red dot sight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, consider removing the battery to prevent potential leakage.

8. Troubleshooting

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

- **Red Dot Not Visible:**
  - Check if the battery is correctly installed and has sufficient charge. Replace if necessary.
  - Ensure the sight is not in an extremely dark environment where it might automatically power off.
- **Red Dot Flickers or is Dim:**
  - The battery may be low. Replace the CR2032 battery.
  - Check battery contacts for corrosion or dirt and clean if needed.
- **Inaccurate Point of Impact:**
  - Ensure the sight is securely mounted to the firearm. Tighten mounting screws if loose.
  - Perform a proper zeroing procedure for your specific firearm and ammunition.
  - Verify that the windage and elevation adjustments are functioning correctly.
- **Fogging on Lens:**
  - Allow the sight to acclimate to the ambient temperature.
  - Ensure the lens is clean and free of moisture.

9. Warranty and Support

The Vector Optics Victoptics RDSL33 SRD 1X20X25 Red Dot Sight comes with a **2-year manufacturer warranty**. For any warranty claims, technical assistance, or customer service inquiries, please contact your local distributor or the Vector Optics customer support. German distribution with German customer service is available.
Please retain your proof of purchase for warranty validation.

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