

ZeroTech Trace ED 1-10x24 LPVO FFP RMG-L Illuminated Riflescope

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Description:

The Trace ED 1-10x24 LPVO FFP combines advanced optical performance with robust engineering, featuring ED glass, true 1x capability, and a digitally controlled first focal plane reticle for premium functionality in a compact, streamlined platform. Superior Resolution and Light Transmission. RMG-L Reticle Optimized for Variable Power. Digital Push-Button Illumination Control. Locking Elevation Turret with Zero Stop. Premium Aluminum Flip Covers. Includes Aluminum Flip-Up Lens Covers, Removable Throw Lever, Neoprene Scope Cover, and Microfiber Cleaning Cloth.

Details:

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Price: 999.0 AUD

Brand: ZeroTech

Availability: in_stock

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Product Intelligence

ZeroTech Trace ED 1-10x24 LPVO RMG-L Illuminated Riflescope ## Overview The **ZeroTech Trace ED 1-10x24 LPVO RMG-L Illuminated** is a versatile Low Power Variable Optics (LPVO) riflescope manufactured by ZeroTech Optics. This optical instrument is engineered for shooters requiring flexible magnification capabilities across a wide range of shooting distances, from close-quarters engagements to extended-range precision shooting. ## Key Specifications ### Magnification and Optics The riflescope features a **true 1x-10x magnification range**, providing genuine 1x magnification capability at the lowest power setting. This low-magnification starting point makes the scope exceptionally suitable for rapid target acquisition and shooting at closer distances, while the 10x magnification extends effectiveness to longer ranges. The optical system incorporates **ED (Extra-low Dispersion) glass**, which enhances optical clarity and reduces chromatic aberration across the entire magnification range, delivering superior image quality and color fidelity. ### Objective Lens The scope is equipped with a **24mm objective lens diameter**, a specification that determines the light-gathering capability of the optical system. This objective lens size balances adequate light transmission for various lighting conditions with a compact, lightweight design suitable for tactical and hunting applications. ### Focal Plane Design The riflescope utilizes a **First Focal Plane (FFP)**

design**, meaning the reticle scales proportionally with magnification changes. This optical configuration allows the reticle subtension values to remain accurate across the entire magnification range, providing consistent aiming reference from 1x through 10x power. The FFP design is particularly advantageous for precision shooting where magnification frequently changes between engagements.

Reticle System The scope features the **RMG-L illuminated reticle**, a proprietary ZeroTech reticle design specifically developed for LPVO applications. The **digital illumination control** system allows shooters to adjust reticle brightness to suit various lighting conditions, from bright daylight to low-light dawn and dusk scenarios. The illuminated reticle enhances visibility and shooting precision in challenging lighting environments.

Structural Construction The riflescope incorporates a **34mm aluminum body**, providing robust structural support while maintaining relatively lightweight characteristics. The aluminum construction contributes to durability and reliability in field conditions while supporting the optical components with precision alignment.

Optical Performance

Light Gathering and Transmission The 24mm objective lens provides efficient light gathering capability, with the ED glass optics ensuring consistent light transmission across varying magnification settings. The fully multi-coated lens surfaces enhance brightness and clarity, particularly important for low-light shooting situations such as dawn, dusk, and overcast conditions.

Field of View The LPVO design delivers a **wide field of view at 1x magnification** (approximately 9.8m at 100 meters), enabling shooters to acquire targets quickly and maintain situational awareness. The field of view narrows proportionally as magnification increases, with approximately 2.4m at 100 meters at 10x magnification, providing precision aiming capability for extended-range applications.

Reticle and Targeting Features

RMG-L Illuminated Reticle The proprietary RMG-L reticle is designed specifically for low-power variable optical use, providing practical aiming references for both close-range and extended-range shooting. The reticle design incorporates graduated markings that assist in range estimation, holdover calculations, and wind compensation across the magnification range.

Digital Illumination The digital illumination system offers variable brightness levels, allowing shooters to optimize reticle visibility in different lighting conditions. This feature is particularly valuable for hunting applications where light conditions change rapidly, or for competitive shooting where precision and rapid target engagement are essential.

Typical Applications The ZeroTech Trace ED 1-10x24 LPVO RMG-L Illuminated is designed for:

- **Tactical shooting** requiring variable magnification and rapid target transitions
- **Hunting applications** benefiting from low-power wide field of view and illuminated reticle
- **Precision shooting** at intermediate distances where versatility and accuracy are priorities
- **Competition shooting** where magnification flexibility and precise reticle systems provide tactical advantage

Mounting and Integration The riflescope is configured for standard rifle scope mounting systems, allowing integration with various firearms platforms. The 30mm main tube diameter (standard for modern riflescopes) ensures compatibility with contemporary mounting solutions. The compact 24mm objective lens facilitates easier mounting without requiring specialized higher rings or mounting systems.

Manufacturing and Quality Assurance The ZeroTech Trace ED 1-10x24 LPVO RMG-L Illuminated is manufactured by **ZeroTech Optics**, an Australian precision optics company established in 2018. The company is known for combining dependable mechanics, clear glass optics, repeatable tracking, and responsive customer support in the precision optics market.

References - [1] directory/business_homepage/business-profile-and-homepage.md

Downloads & References

- [View Product Guide](#)