

# ZeroTech Trace Advanced 5-30x56 ED FFP RMG 3 Illuminated Riflescope

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## Description:

Precision long-range riflescope designed for tactical accuracy and durability. Features First Focal Plane RMG 3 illuminated reticle, ED glass optical system, 34mm one-piece tube construction, and digital illumination control. Built in Japan with AAA lifetime warranty. Ideal for long-range and precision shooting applications.

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**Price:** 2299.0 USD

**Brand:** ZeroTech

**Availability:** in\_stock

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## Product Intelligence

# ZeroTech Trace Advanced 5-30x56 ED FFP RMG 3 Illuminated Riflescope ## Overview The **ZeroTech Trace Advanced 5-30x56 ED FFP RMG 3 Illuminated Riflescope** is a precision hunting rifle scope manufactured by ZeroTech Optics. This premium optical instrument features high magnification, an illuminated reticle, and advanced optical design specifically engineered for long-range shooting applications. The scope represents ZeroTech's commitment to delivering elite-level precision optics for tactical shooters and discerning hunters. ## Magnification and Optical Specifications ### Magnification Range The riflescope offers a **5-30x variable magnification** capability, providing versatility across multiple shooting distances. This high-power variable range is designed for precision rifle applications and long-range shooting requiring maximum magnification capability at extended distances while maintaining usable field of view at lower magnifications. ### Objective Lens The scope features a **56mm objective lens diameter**, which serves as the primary light-gathering component. This larger diameter provides superior light-gathering capability, brightness, and contrast, making it particularly effective in low-light hunting conditions such as dawn or dusk shooting scenarios. ### Optical Glass Technology The Trace Advanced 5-30x56 ED FFP incorporates **ED (Extra-low Dispersion) glass optics** with Japanese premium optical glass construction. This advanced optical technology ensures unmatched light transmission and superior optical clarity, delivering bright, sharp images across the entire magnification range. The ED glass reduces chromatic aberration and provides exceptional optical performance for precision targeting. ## Focal Plane Design ### First Focal Plane (FFP) Configuration The scope utilizes a **First Focal Plane (FFP) design**, meaning the reticle is

positioned in the first focal plane of the optical system. This critical design specification ensures that the reticle size **scales proportionally with magnification changes**, making reticle measurements accurate and functional across the entire magnification range—a key advantage for long-range precision shooting.

**Reticle System**

**RMG 3 Illuminated Reticle** The riflescope features the **RMG 3 (Refined Mil Grid) illuminated reticle**, which represents a perfect combination of accuracy and speed for maintaining elevation and windage adjustments. The RMG 3 reticle is specifically designed for:

- High-speed, precision shooting applications
- Marking turrets for long-range targeting
- Competitive and tactical shooting scenarios
- Enhanced visibility in low-light conditions through illumination

The reticle employs a **glass-etched design** that maintains fine detail and durability, incorporating reliable turret feel for tactical shooting applications.

**Digital Illumination Control** The scope includes **digital illumination control** for the reticle, allowing shooters to adjust brightness levels for optimal visibility across varying lighting conditions and personal preference.

**Tube and Construction**

**Main Tube Specification** The riflescope features a **34mm one-piece tube** construction, providing robust structural integrity and optical alignment stability. This larger diameter tube accommodates the advanced optical and mechanical systems while maintaining durability for demanding field use.

**Material and Durability** The scope is constructed from **high-strength 7075-T6 aluminum**, a material specifically chosen for its exceptional durability and ability to withstand demanding field use and recoil forces associated with firearm operation. This robust construction ensures the device maintains optical integrity and functionality in challenging environmental conditions.

**Optical Coatings and Environmental Protection**

**Lens Coating Technology** The Trace Advanced 5-30x56 incorporates **FMC (Fully Multi-Coated) lens coating** to improve optical performance, light transmission, and optical clarity. These advanced optical coatings contribute to brighter, clearer images and enhanced contrast across varying lighting conditions.

**Weathershield Lens Coating** The scope is equipped with **Weathershield Lens Coating**, a specialized optical treatment designed to repel water and dirt from lens surfaces. This protective coating prevents the accumulation of contaminants that could otherwise degrade optical performance, maintaining optical clarity and consistent performance under challenging environmental conditions.

**Environmental Sealing - IPX7 Waterproof Rating**: Provides comprehensive water resistance for wet conditions

**Argon Purging**: Prevents internal fogging and maintains optical clarity

**O-Ring Sealing**: Ensures complete waterproof protection

**Field of View** The riflescope provides **field of view specifications of 9.8m at low magnification and 2.4m at high magnification at 100 meters**, allowing shooters to visualize targets and range effectively across the magnification range.

**Turret and Adjustment Systems**

**Precision Turret System** The Trace Advanced incorporates a **Precision Turret System** with **zero stop functionality**, providing:

- Absolute precision in targeting adjustments
- Zero stop feature to prevent unintended turret adjustments
- Reliable field adjustments in demanding shooting scenarios

**Elevation Adjustment** The riflescope provides **26 MRAD of internal elevation adjustment**, enabling comprehensive vertical aiming capability for compensating bullet drop across different shooting distances.

**Windage Adjustment** The scope features **20 MRAD of internal windage adjustment**, allowing horizontal correction of bullet impact for wind compensation.

**Parallax Adjustment** The riflescope features a **parallax adjustment range from 25 meters to infinity**, enhancing precision by allowing shooters to correct for parallax error at different magnification levels and distances.

**Exit Pupil Characteristics**

- **Low Magnification**: 8.5mm exit pupil diameter for enhanced light transmission
- **High Magnification**: 1.9mm exit pupil diameter for precision aiming

**Light Transmission** The optical system achieves **92% light transmission**, providing optimal brightness and image clarity across varying lighting conditions. This high transmission rate ensures consistent optical performance regardless of environmental factors.

**Eye Relief** The Trace Advanced 5-30x56 ED FFP provides **3.43 to 3.82 inches of eye relief**, ensuring a safe and comfortable distance between the shooter's eye and the ocular lens during firing.

**Physical Specifications**

**Weight** The ZeroTech Trace Advanced 5-30x56 weighs **35.7 ounces (1012 grams)**, providing balanced portability and durability for field applications.

**Color Finish** The scope is finished in **black color** for professional appearance and non-reflective operation.

**Included Accessories** The Trace Advanced 5-30x56 ED FFP comes equipped with comprehensive accessories:

- **Reticle Range Chart**: Included reference documentation for ballistic calculations and distance estimation using the RMG 3 reticle system

**\*\*Instruction Manual\*\***: Comprehensive operational and maintenance guidance - **\*\*High Quality Microfibre Cloth\*\***: Standard cleaning accessory for lens maintenance and optical care - **\*\*Neoprene Protective Scope Cover\*\***: Protective cover for transport and storage, safeguarding the scope from physical damage and environmental exposure ## **Warranty Coverage** ### **Triple-A Lifetime Warranty** The Trace Advanced is backed by **\*\*ZeroTech Optics'** industry-leading AAA unconditional lifetime warranty\*\*, providing: - **\*\*Lifetime coverage\*\*** without requiring a receipt - **\*\*Unconditional repair or replacement\*\*** for any failure or damage - **\*\*Transferable warranty\*\*** benefits - Absolute peace of mind for hunters and shooters in remote locations ## **Applications and Use Cases** The ZeroTech Trace Advanced 5-30x56 ED FFP RMG 3 is recommended for: - **\*\*Long-range hunting\*\*** applications requiring precision and extended-distance capability - **\*\*Precision rifle shooting\*\*** and competitive shooting applications - **\*\*Tactical shooting\*\*** scenarios requiring high magnification and accurate reticle systems - **\*\*Elite-level long-range accuracy\*\*** applications demanding premium optical performance --- ### **References** - [1] [directory/business\\_homepage/business-profile-and-homepage.md](directory/business_homepage/business-profile-and-homepage.md)

## Downloads & References

- [View Product Guide](#)