

1-8x24 LPVO RAR Illuminated FDE Vengeance Rifle Scope

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Description:

High-quality rifle scope featuring 1-8x24 magnification with LPVO (Low Power Variable Optics) design, RAR (Rapid Aiming Reticle) illumination, and FDE (Flat Dark Earth) finish. Part of the Vengeance rifle scope line for hunting and tactical applications.

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Brand: Vengeance

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Product Intelligence

Vengeance 1-8x24 RAR Illuminated FDE LPVO Rifle Scope ## Overview The **Vengeance 1-8x24 RAR Illuminated FDE** is a Low Power Variable Optic (LPVO) rifle scope manufactured by ZeroTech Optics. This optical instrument is engineered for versatility, combining the speed of a red dot sight at low magnification with variable magnification capabilities for close-range to mid-distance shooting applications. The Flat Dark Earth (FDE) finish provides a modern tactical aesthetic while maintaining rugged construction for demanding field use. ## Magnification & Optical Specifications The scope features a **1-8x variable magnification range**, delivering true 1x magnification for rapid target acquisition and close-quarters battle (CQB) applications, with the ability to zoom up to 8x power for precision shooting at extended ranges. The **24mm objective lens diameter** provides excellent light-gathering capability, determining the scope's brightness and image quality across varying lighting conditions. ## Reticle & Illumination System The Vengeance 1-8x24 RAR FDE is equipped with an **illuminated RAR reticle** - a proprietary ZeroTech optical design specifically engineered for this LPVO platform. The RAR reticle includes holdover references and is optimized for the scope's magnification range, with the reticle calibrated at 8x magnification in the second focal plane configuration. The illuminated feature enhances visibility in low-light shooting conditions. ## Construction & Durability The scope features a **rugged 30mm tube constructed from 6061-T6 aircraft-grade aluminum**, providing exceptional strength and durability while maintaining a lightweight profile. The **Flat Dark Earth finish** offers both tactical aesthetics and corrosion resistance for extended field deployment. ### Waterproofing & Environmental Rating The scope incorporates **IPX7 waterproof sealing** and fogproofing capabilities, enabling reliable operation in challenging weather conditions and enabling submersion to specific depths. The fully multi-coated glass lenses ensure consistent optical performance across varying lighting conditions, maintaining clarity and strong brightness regardless of environmental factors. ## Adjustment & Control Features The scope includes precision adjustment mechanisms with **1/4 MOA turret increments** and **120 MOA internal elevation adjustment**

combined with **120 MOA internal windage adjustment**, providing comprehensive shot placement correction capability for varying distances and environmental conditions. **Field Performance Characteristics** The Vengeance 1-8x24 RAR FDE delivers exceptional field of view and optical transmission: - **Field of View**: Approximately 41.6 meters at low magnification and 5.2 meters at high magnification at 100 meters - **Exit Pupil Diameter**: Ranges from 13.7mm at low magnification to 6.4mm at high magnification - **Eye Relief**: 75mm (2.95 inches), positioning the shooter's eye at a safe and comfortable distance from the scope - **Light Transmission**: Fully multi-coated optical surfaces optimize light passage through the system **Physical Specifications** - **Weight**: 22.8 ounces (645 grams), contributing to balanced rifle handling - **Construction**: 6061-T6 aircraft-grade aluminum main tube with robust mechanical components **Additional Features & Accessories** The Vengeance 1-8x24 RAR FDE comes equipped with practical accessories including a **high-quality microfiber cloth** for lens cleaning and maintenance. The scope is backed by **ZeroTech Optics' Triple A Lifetime Warranty**, covering all products against defects in materials and workmanship. **Applications** The Vengeance 1-8x24 RAR FDE is purpose-built for: - Close-quarters combat and rapid target transitions at 1x magnification - Extended-range precision shooting utilizing the 8x magnification capability - Hunting applications requiring versatility across varying distances - Tactical rifle platforms requiring dependable performance This LPVO combines the operational speed of a red dot sight with the precision capabilities of a variable power scope, making it an ideal choice for shooters requiring both fast target acquisition and extended-range accuracy in a single optical package. **References** - [1] ZeroTech Optics

Downloads & References

- [View Product Guide](#)