

Vengeance 4-16x40 PHR 4 Illuminated Riflescope

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/vengeance-4-16x40-phr-4-illuminated-riflescope/>

Description:

Built for the hunter who values tradition as much as performance, the Vengeance 4-16x40 PHR 4 IR blends old-school practicality with modern precision. Lightweight, clear, and dependable, it's the perfect upgrade for your trusted rifle. Features PHR 4 Illuminated Reticle with bold outer lines and fine subtensions for fast, accurate aiming. 4-16x magnification range provides versatile reach from tight bush terrain to long open shots. Side parallax adjustment resolves parallax error from 15 metres to infinity for pinpoint precision. Removable throw lever enables smooth, controlled magnification changes. Built on 1-inch aircraft-grade aluminium tube, waterproof (IPX7), fogproof, and shockproof. Includes 6 brightness settings for illuminated reticle. Weight: 645g. Backed by ZeroTech's Triple A Lifetime Warranty.

Details:

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****Price:**** 239.0 USD

****Brand:**** ZeroTech

****Availability:**** in_stock

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Product Intelligence

Vengeance 4-16x40 PHR 4 Illuminated Riflescope ## Overview The **Vengeance 4-16x40 PHR 4 Illuminated Riflescope** is a precision hunting optic manufactured by ZeroTech that combines traditional reliability with modern optical performance. Built for hunters who demand both practicality and accuracy, this riflescope is lightweight, clear, and dependable—making it an excellent upgrade for established hunting rifles. ## Key Features ### Optical Design & Magnification The riflescope features a **4-16x magnification range**, providing versatile performance from close-quarters bush hunting to extended long-range shooting scenarios. This variable magnification capability allows shooters to adapt the scope to different engagement distances and hunting conditions without requiring multiple optical devices. ### Reticle System The **PHR 4 Illuminated Reticle** combines bold outer lines with fine

subtensions, enabling fast and accurate target acquisition in various lighting conditions. The illuminated design is particularly advantageous during dawn, dusk, and low-light hunting scenarios. The scope includes **6 brightness settings** for the illuminated reticle, allowing users to optimize visibility across different environmental conditions. **Objective Lens** The **40mm objective lens diameter** provides excellent light-gathering capability, ensuring bright and clear image transmission across varying lighting conditions. This specification directly impacts the optical performance and brightness of the scope, particularly important for hunting applications where lighting varies significantly. **Optical Coatings** The riflescope features **Fully Multi-Coated (FMC) lenses**, which enhance light transmission and optical clarity. These advanced coatings contribute to brighter images and improved contrast, enabling clearer target visualization in challenging lighting environments. **Technical Specifications**

Mechanical Construction - **Tube Material:** 6061-T6 aircraft-grade aluminum - **Tube Diameter:** 1 inch (25.4mm) - **Weight:** 645 grams - **Waterproof Rating:** IPX7 (waterproof up to 1 meter for 30 minutes) - **Design:** Fogproof and shockproof construction

Adjustment Capabilities - **Internal Elevation Adjustment:** 60 MOA - **Internal Windage Adjustment:** 60 MOA - **Turret Index Value:** 0.25 MOA per click for fine adjustment control - **Parallax Adjustment Range:** 15 meters to infinity, with side parallax adjustment for resolving parallax error at all magnification levels

Optical Performance Data - **Eye Relief:** 84-100mm (3.31-3.94 inches), providing safe and comfortable viewing distance - **Exit Pupil Diameter (Low Magnification):** 9.5mm - **Exit Pupil Diameter (High Magnification):** 2.5mm - **Field of View at 100 Meters (Low):** 8.03 meters - **Field of View at 100 Meters (High):** 2.1 meters

Additional Optical Specifications - **Focal Plane:** Second Focal Plane (SFP), where the reticle size remains constant across magnification adjustments - **Diopter Adjustment:** Locking (-2 to +2) for eyesight customization - **Illumination:** Yes - 6 brightness settings

Practical Features

Magnification Control The riflescope includes a **removable throw lever** that enables smooth and controlled magnification changes, enhancing operational convenience and allowing quick adjustments between low and high power viewing.

Parallax Adjustment The **side parallax adjustment** mechanism resolves parallax error from 15 meters to infinity, ensuring pinpoint precision across all shooting distances. This advanced feature is crucial for accurate long-range shooting and precision applications.

Warranty & Quality Assurance The Vengeance 4-16x40 PHR 4 Illuminated Riflescope is **backed by ZeroTech's Triple A Lifetime Warranty**, providing long-term protection and customer support.

Availability & Pricing - **Availability:** In stock - **Price:** \$239.00 USD - **Color:** Black - **Brand:** ZeroTech ---

References - [1] Vengeance 4-16x40 PHR 4 Illuminated Riflescope

Downloads & References

- [View Product Guide](#)