

ZeroTech 4-20x50mm R3 Vengeance Riflescope

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-4-20x50mm-r3-vengeance-riflescope/>

Description:

ZeroTech Vengeance 4-20x50mm R3 riflescope delivers premium clarity, precision, and rugged reliability for hunters and shooters. Built with cutting-edge optical engineering and field-proven durability, this riflescope combines professional-grade performance with accessible value. Features advanced optics designed for accuracy from the range to the backcountry.

Details:

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Brand: ZeroTech Optics

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Product Intelligence

ZeroTech Vengeance 4-20x50mm R3 Riflescope ## Technical Specifications ### Magnification and Optical Configuration The **ZeroTech Vengeance 4-20x50mm R3** features a **variable magnification range of 4x to 20x power**, providing versatility across multiple shooting scenarios. This magnification range allows shooters to transition smoothly from moderate power at lower magnifications to high precision at maximum magnification for extended-distance engagements. The riflescope is equipped with a **50mm objective lens diameter**, a critical specification that directly determines the light-gathering capability of the scope. This larger objective lens provides enhanced brightness and image clarity, particularly beneficial in varying lighting conditions and low-light shooting scenarios. ### Reticle System The riflescope features the **MOA-based R3 reticle**, which is specifically designed for precision targeting and aiming applications. The R3 reticle provides fine hold points and accurate subtensions, enabling shooters to make precise elevation and windage corrections during shooting operations. ### Turret Adjustments The scope incorporates **quarter MOA (¼ MOA) turrets**, which deliver repeatable and consistent adjustments for elevation and windage corrections. These precision turrets allow shooters to dial in accurate corrections with fine control, essential for both hunting and target shooting applications. ### Optical Performance The riflescope utilizes **fully multi-coated lenses** that provide consistent optical performance across varying lighting conditions. These advanced coatings ensure clarity and superior light transmission regardless of environmental factors, contributing to brighter and clearer images in diverse shooting conditions. ### Field of View At **100 meters distance**, the riflescope delivers a **field of view of 6.8 meters at low magnification (4x) and 1.7 meters at high magnification (20x)**, providing shooters with appropriate viewing areas for both close-range and long-distance target acquisition. ### Exit Pupil Characteristics The scope features an **exit pupil diameter of 10.9mm at low magnification and 2.6mm at high magnification**, specifications

that influence light transmission efficiency and eye positioning during aiming. ### Focal Plane Design The Vengeance 4-20x50mm R3 utilizes a **Second Focal Plane (SFP) configuration**, where the reticle size remains constant regardless of magnification adjustments. This design characteristic affects reticle appearance and measurement accuracy across the magnification range. ## Key Features ### Parallax Adjustment The riflescope incorporates **side parallax adjustment** for precision targeting, allowing shooters to correct for parallax error at different magnification levels and distances, enhancing accuracy in precision shooting applications. ### Construction and Durability Built with robust optical and mechanical components designed for dependable performance during hunting and precision shooting applications, the Vengeance 4-20x50mm R3 maintains optical integrity across varying field conditions. ### Manufacturer The **ZeroTech Vengeance 4-20x50mm R3** is manufactured by **ZeroTech Optics**, a company specializing in precision optical instruments and riflescope systems. ### Application Suitability This riflescope model is designed for: - **Hunting applications**, particularly for mid-range to long-range big game hunting - **Precision target shooting** at extended distances - **Benchmark and paper target shooting** - **Long-distance steel target competitions** The combination of high magnification capability, precise turret adjustments, and superior optical performance makes this scope suitable for shooters requiring dependable precision and clarity across various shooting disciplines. ### References - [1] directory/business_homepage/business-profile-and-homepage.md

Downloads & References

- [View Product Guide](#)