

ZeroTech Optics USA - Precision Rifle Scopes, Binoculars & Red Dots

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-optics-usa-precision-rifle-scopes-binoculars-red-dots/>

Description:

ZeroTech Optics USA has precision optics designed and built for the backcountry hunter with accuracy and clarity that will exceed your expectations. Featuring cutting-edge rifle scopes, binoculars, red dots, and spotting scopes with over 50 years of optics industry expertise. Multi-coated lenses, enhanced low-light performance, and customized reticles for exceptional shooting performance.

Details:

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****Price:**** Available

****Brand:**** ZeroTech Optics USA

[View Product](<https://store.zerotechoptics.com/p/4-5-27x50mm-r3>)

Product Intelligence

ZeroTech Optics USA: Precision Optical Equipment ## Company Overview ****ZeroTech Optics USA**** is the official United States division and authorized retailer for ZeroTech Optics products. Operating as the direct sales entity of ZeroTech Optics, it serves as the primary channel through which customers in the United States can purchase optical products directly from the manufacturer. The company functions as both a direct retailer and the manufacturer's official sales channel, enabling customers to purchase authentic ZeroTech products with reliable access and direct manufacturer oversight. ### Product Portfolio #### Rifle Scopes ZeroTech Optics USA distributes a comprehensive range of riflescope models across multiple product lines: ****Vengeance Series Models:**** - Vengeance 1-8x24 RAR LPVO (Low Power Variable Optic) - Vengeance 1-8x24 RAR FDE (Flat Dark Earth variant) - Vengeance 3-12x40 R3 - Vengeance 3-12x40 PHR 4 - Vengeance 6-24x50 R3 - Vengeance 6-24x50 R3 IR (Infrared illumination) - Vengeance 1-10x28 RMG-L - Vengeance LPVO series #### Binoculars ZeroTech Optics USA offers multiple binocular models for hunting, birdwatching, and outdoor observation: - TH832 - TH1032 - TH1042 - THD825 (waterproof compact travel binocular) - THD842 (8x42mm configuration) - THD1025 (waterproof compact model) - VG1042 - VG1042ED - VG1050 - VG1050ED - Vengeance line of binoculars #### Accessories and Components ZeroTech Optics USA manufactures and distributes lens cloths and other optical accessories alongside its primary product categories. ## Key Technical Features and Specifications #### Optical Construction Standards All ZeroTech Optics products incorporate advanced optical technologies and precision engineering: - ****Argon Purging****: Prevents internal fogging and maintains optical clarity - ****O-Ring Sealing****: Provides waterproof protection for harsh environmental conditions - ****Multi-Layer Lens Coating****:

Improves light transmission and reduces glare - **ED Glass (select models)**: Extra-low dispersion glass for enhanced optical clarity - **Fully Multi-Coated Optics**: Standard across the product line ### Reticle Systems ZeroTech Optics USA products feature proprietary, bespoke reticle designs engineered for precision shooting: - **RMG (Refined Mil Grid) Reticle**: Designed for accuracy and speed in elevation and windage maintenance - **RMG-L Reticle**: Advanced variant of the RMG system - **R3 Reticle**: Enables long-range shots while maintaining the benefits of second focal plane (SFP) configuration - **PHR (Precision Hunting Reticle) Series**: Including PHR 3, PHR 4, and PHR II variants - **LR Hunter FFP Reticle**: Illuminated long-range hunting reticle - **Illuminated Reticle Systems**: Multiple brightness settings (6, 11, or 13 settings with night vision modes) ### Focal Plane Options ZeroTech Optics USA offers both optical configurations: - **First Focal Plane (FFP)**: Reticle scales proportionally with magnification changes; found in select advanced models - **Second Focal Plane (SFP)**: Reticle size remains constant regardless of magnification adjustments; widely used across product lines ### Adjustment and Turret Systems - **Elevation Adjustment**: Ranges from 50 to 120 MOA across different models - **Windage Adjustment**: Precision lateral adjustment for wind compensation - **MOA Adjustment System**: Intuitive for inches and yards measurements - **Lockable Quick-Adjustment Turrets**: Enables precise field adjustments without losing zero - **Zero Stop Feature**: Available on select models for repeatable zeroing ### Illumination Specifications Select models feature illuminated reticle systems with varying configurations: - **6 Brightness Settings**: Standard illumination across multiple scope variants - **11 Brightness Settings**: Enhanced configuration for diverse lighting conditions - **13 Brightness Settings with Night Vision Modes**: Advanced systems including automatic on/off functionality ### Magnification and Optical Performance The portfolio encompasses diverse magnification ranges: - Low-power variables (1x to 8x) for close-range and rapid target acquisition - Mid-range variables (3x to 12x and 4x to 16x) for general hunting and precision work - High-power variables (6x to 24x) for long-range and competitive applications **Objective Lens Specifications**: - 24mm to 28mm (compact configurations) - 40mm to 50mm (standard and long-range models) ### Optical Performance Metrics - **Exit Pupil Diameter**: Ranges from 3.4mm to 13.6mm depending on magnification setting - **Eye Relief**: Typically 82mm to 100mm, providing comfortable viewing distance - **Field of View**: Measured at 100 yards and 100 meters across magnification ranges - **Ocular Outer Diameter**: Standard measurement of 43.5mm across many models - **Parallax Adjustment Range**: From 15 meters to infinity on most models; fixed adjustments at 125 meters on select variants - **Lens Coating**: Fully multi-coated for optimal light transmission ### Structural Specifications - **Main Tube Diameter**: 30mm standard across most rifle scope models - **Weight**: Typically ranges from 500g to 700g depending on model and configuration - **Waterproof Rating**: Maintains performance across humid, wet, and extreme environmental conditions ## Warranty Coverage ZeroTech Optics USA products are backed by **ZeroTech's Triple A Lifetime Warranty**, providing: - **Unconditional Coverage**: Repair or replacement for any product failure - **No Receipt Required**: Warranty remains valid without proof of purchase - **Lifetime Duration**: Coverage extends for the life of the product - **Comprehensive Protection**: Covers all manufacturing defects and mechanical failures ## Distribution and Sales Channels ZeroTech Optics USA operates as: - **Direct Manufacturer Retailer**: Primary channel for authentic product purchases - **Authorized Dealer Network**: Works with established firearms and optics retailers across the United States - **Online E-Commerce Platform**: zerotechoptics.com serves as the official USA website for direct purchasing - **Dealer Locator Service**: Helps customers find local authorized retailers ## Customer Support and Resources ZeroTech Optics USA provides comprehensive support infrastructure: - **Product Documentation**: Detailed specifications and technical manuals for all models - **Reticle Manuals**: Comprehensive guides for understanding reticle systems (LR Hunter, PHR II, PHR 3, Mildot, Thrive HD systems) - **Range Charts**: Ballistic reference data for precision shooting applications - **Technical Support**: Professional guidance for scope mounting, adjustment, and zeroing procedures - **Maintenance Guidance**: Battery use recommendations and product care instructions ## Positioning and Market Focus ZeroTech Optics USA specializes in serving: - **Hunters**: Providing dependable glass optics and practical rifle scope designs for USA hunting conditions - **Competitive Shooters**: Offering precision instruments with advanced reticle systems for competition applications - **Outdoor Enthusiasts**: Delivering durable optical equipment for general

outdoor observation - ****Value-Conscious Customers****: Presenting premium features and optical quality at competitive pricing --- ### References - [1] ZeroTech Optics — Complete Brand Profile

Downloads & References

- [Download Primary Spec Sheet](#)
- [Download Secondary Spec Sheet](#)
- [View Product Guide](#)