

# ZeroTech Optics USA - Precision Riflescopes and Hunting Optics

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## Description:

ZeroTech Optics USA has precision optics designed and built for the backcountry hunter with accuracy and clarity that will exceed your expectations. Combining cutting-edge design and performance with a commitment to being accessible to all, ZeroTech Optics is one of the most recognized and reputable sports optics brands in the world. Features include multi-coated lenses for bright and clear views, enhanced low-light performance, and practical reticles for the everyday shooter.

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**\*\*Price:\*\*** Available

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

[View Product](<https://zerotech.com.au/p/3-18x50mm-trace-lr-hunter-mrad-riflescope/>)

## Product Intelligence

# ZeroTech Optics USA: Precision Riflescopes and Hunting Optics ZeroTech Optics USA represents the official United States distribution channel and authorized retailer for ZeroTech Optics products, serving as the direct sales entity through which American customers can purchase optical equipment directly from the manufacturer. This platform consolidates the company's comprehensive product portfolio into a streamlined purchasing experience for the US market. ## Company Overview and Market Position **\*\*ZeroTech Optics USA\*\*** operates as both a direct retailer and the manufacturer's official sales channel, enabling customers to purchase authentic ZeroTech optical products with confidence in their direct sourcing from the manufacturer. The organization functions as the US-based division of ZeroTech Optics, an Australian precision optics company with over 50 years of combined expertise in the optical equipment industry. ZeroTech Optics has established itself as a manufacturer known for dependable mechanics, clear glass optics, repeatable tracking, and responsive customer support. The company distinguishes itself through value-oriented precision optics, offering products that compete with premium brands at more accessible price points. Founded in Australia in 2018, ZeroTech International Pty Ltd draws from the heritage of its parent company, Tasco Sales (AUST) Pty Ltd (TSA), which has maintained significant optical industry experience since 1965. ## Precision Rifle Scope Product Lines ### Thrive Series The Thrive series represents ZeroTech's entry-level to mid-range rifle scope offerings, designed for traditional hunters seeking practical features and value. These scopes feature quality optical glass, reliable mechanical construction, and practical reticle designs at

accessible price points. The Thrive HD variant specifically incorporates Extra-low Dispersion (ED) glass for enhanced optical clarity. **Thrive HD 1-8x24 LPVO** - This Low Power Variable Optic combines versatile magnification range with a compact profile suitable for close to medium-range hunting applications. The 1-8x magnification range accommodates multiple shooting scenarios while maintaining a manageable objective lens size of 24mm. **Key Technical Characteristics:** - Variable magnification enabling flexible shooting distances - Practical reticle options for general hunting applications - Reliable turret systems for field adjustments - Waterproof and fogproof construction **### Vengeance Series** The Vengeance riflescope line comprises mid-range and performance-tier scopes engineered to deliver value for money alongside dependable performance. These scopes feature proprietary reticle designs and are backed by ZeroTech's Triple A Lifetime Warranty covering all products. **Vengeance 1-8x24 RAR LPVO** - Features the RAR (MOA) reticle system designed for rapid target acquisition and precision aiming across multiple magnification levels. **Vengeance 3-12x40 PHR 4** - Equipped with the PHR (Precision Hunting Reticle) 4 variant, this scope provides clear aiming references for typical hunting distances. **Vengeance 3-12x40 R3** - Incorporates the R3 reticle, which allows shooters to maintain accurate long-range shooting capability while enjoying the benefits of Second Focal Plane (SFP) design without losing elevation and windage holding ability. **Vengeance 6-24x50 R3** - Delivers high magnification capability suitable for long-range hunting applications with consistent reticle tracking across the magnification range. **Vengeance 1-10x28 RMG-L** - Features the RMG-L (MRAD) reticle designed for precision targeting with metric-based adjustments, suitable for competitive and precision hunting applications. **### Trace Advanced Series** The Trace Advanced series represents the pinnacle of ZeroTech's optical engineering, designed for shooters demanding premium performance and advanced optical technologies. These rifle scopes incorporate First Focal Plane (FFP) options and advanced mechanical systems for long-range shooting and precision competition applications. **ZeroTech Trace Advanced 5-30x56 ED FFP RMG 3 Illuminated Riflescope** - This precision hunting rifle scope features exceptional high magnification, an illuminated reticle system, and advanced optical design specifically optimized for long-range shooting. The scope combines: - 5-30x magnification range for versatile distance capability - 56mm objective lens for superior light gathering - Extra-low Dispersion (ED) glass for optical clarity - First Focal Plane (FFP) design enabling reticle holdover at any magnification level - RMG 3 illuminated reticle with adjustable brightness settings - Consistent tracking for precision applications **### Binocular Product Portfolio** ZeroTech Optics USA offers multiple binocular models through its platform, designed for hunting, bird watching, and general outdoor observation applications. **Binocular Models Available:** | Model | Configuration | Application | Features | |-----|-----|-----|-----| | TH842 | 8x42mm | General hunting | Practical optics | | TH832 | 8x32mm | Compact travel | Lightweight design | | THD1042 | 10x42mm HD | Serious hunting | Enhanced clarity | | THD842 | 8x42mm HD | Hunting/birding | Waterproof construction | | THD825 | 8x25mm | Compact portability | Fog-proof performance | | THD1025 | 10x25mm | Travel optics | Minimal weight | | VG842HD | 8x42mm | Premium hunting | High-definition glass | | VG1042 | 10x42mm | Professional use | Superior clarity | | VG1042ED | 10x42mm ED | Premium observation | Extra-low dispersion | | VG1050 | 10x50mm | Long-range viewing | Bright optics | | VG1050ED | 10x50mm ED | Premium performance | Enhanced definition | | Vengeance VG1250 | 12x50mm | Serious hunters | Large objective lens | **### Technical Specifications and Features** **### Optical Construction Standards** Every ZeroTech optic is **Argon-purged and O-ring sealed**, engineering specifications that ensure flawless performance across diverse environmental conditions. These construction standards enable ZeroTech optical instruments to perform reliably from humid climates to dusty environments without experiencing internal fogging or optical degradation. **Multi-layer Lens Coating** provides improved light transmission and reduced glare, enhancing optical clarity across all magnification levels. The ED Glass option, available in select Thrive HD and Vengeance series models, incorporates Extra-low Dispersion glass technology for superior color correction and edge-to-edge clarity. **### Reticle Systems and Aiming References** ZeroTech offers a comprehensive selection of reticle patterns tailored to different shooting applications and user preferences: **Proprietary Reticle Designs:** - **PHR Series (Precision Hunting Reticle)** - Available in PHR 2, PHR 2 Illuminated, PHR 3, and PHR 4 configurations, these reticles provide clear aiming references optimized for hunting distances and general shooting applications. - **R3 Reticle** - Allows

shooters to maintain accurate long-range holding capability while enjoying Second Focal Plane design simplicity, enabling elevation and windage holds at any magnification without losing functionality. - **RMG (Refined Mil Grid)** - A metric-based reticle system providing the perfect combination of accuracy and speed for maintaining elevation and windage adjustments in high-speed, precision shooting scenarios or marking turrets for long-range targeting. - **RMG-L (MRAD)** - Represents a targeting pattern for specific optical devices utilizing metric-based measurement systems. - **RAR (MOA) Reticle** - Provides MOA-based aiming references for inches and yards measurements, offering intuitive adjustment systems for distance calculations. - **LR Hunter FFP** - A hybrid optical reticle featuring First Focal Plane technology with adjustable illumination capabilities, specifically developed for long-range hunting applications. - **ZEROPLEX Reticle** - An alternative aiming pattern option available on THRIVE-series scopes. ### Adjustment Systems and Turret Design Lockable quick-adjustment turrets allow precise and rapid field adjustments without compromising zero. These turret systems enable shooters to make elevation and windage corrections efficiently during hunting or shooting activities. **Adjustment Options:** - **MOA (Minute of Angle)** - Intuitive for inches and yards measurements, facilitating easy field calculations at typical hunting distances - **MRAD (Millirad)** - The metric standard for precision shooting applications, preferred by competitive shooters and tactical users ### Parallax Adjustment Capability Select riflescope models incorporate sophisticated parallax adjustment systems. For example, the 4-20X50mm Vengeance Illuminated PHR-II Riflescope features parallax adjustment capability ranging from 20 meters to infinity, enabling shooters to eliminate parallax error across extended distance ranges. ## Physical and Optical Specifications ### Dimensional Reference Data ZeroTech Optics USA provides comprehensive riflescope dimensions and specifications through detailed dimensional resources. The Riflescope Dimensions reference material presents physical layout, measurements, and size specifications for prominent ZeroTech riflescope models including the Thrive and Vengeance product lines. **Sample Specification Data (4-20X50mm Vengeance Illuminated PHR-II Riflescope):** - **Magnification Range:** 4x to 20x variable power - **Objective Lens Diameter:** 50mm - **Objective Outer Diameter:** 57mm - **Ocular Outer Diameter:** 43.9mm - **Eye Relief:** 90mm - **Tube Diameter:** 30mm standard These dimensional specifications enable users to understand the physical characteristics necessary for mounting compatibility, rifle integration, and operational planning. ## Warranty Coverage and Customer Protection ZeroTech Optics USA products are backed by the **Triple A Lifetime Warranty**, providing comprehensive coverage across the product portfolio. This unconditional warranty operates without requiring proof of purchase receipt, offering absolute peace of mind for customers using ZeroTech optics in remote hunting locations and challenging outdoor environments. The warranty program reflects ZeroTech's confidence in product durability and provides exceptional customer protection. Products are covered for life—if equipment fails or breaks, it will be repaired or replaced regardless of the nature of the problem, ensuring customers maintain reliable optical equipment throughout their ownership experience. ## Product Documentation and Technical Resources ZeroTech Optics USA maintains the ZeroTech Resources Website providing comprehensive product documentation across multiple formats: - **Product Manuals** - Detailed instruction guides for riflescope operation and maintenance - **Reticle Specifications** - Technical documentation detailing reticle patterns, designs, and specifications - **Reticle Manuals** - Comprehensive guides for understanding and utilizing specific reticle systems - **Range Charts** - Ballistic and distance reference data supporting shooting calculations - **Dimensional Specifications** - Physical measurement information for riflescope models These resources enable customers to fully comprehend product operation, maintenance requirements, and proper utilization of optical devices and reticle systems. ### References - [1] Business Profile and Homepage

## Downloads & References

- [View Product Guide](#)