

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

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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. Featuring cutting-edge rifle scopes, red dots, binoculars, and spotting scopes with innovative reticle designs and superior optical performance.

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**Brand:** ZeroTech Optics USA

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Product](<https://store.zerotechoptics.com/p/reflex-sight-multi-reticle-with-low-mount-thrive-hd-red-dot>)

## Product Intelligence

# ZeroTech Optics USA: Precision Rifle Scopes, Red Dots & Binoculars ## Overview **ZeroTech Optics USA** is the official United States distribution channel and authorized retailer for ZeroTech Optics products. Operating as the direct sales entity of ZeroTech Optics, it serves as the primary purchasing platform through which customers in the United States can acquire optical products directly from the manufacturer. ## Product Categories and Technical Specifications ### Rifle Scopes ZeroTech Optics USA offers multiple rifle scope product lines, each engineered for specific shooting applications: #### **Thrive Series** Entry-level to mid-range rifle scopes designed for hunters and shooters seeking quality optics at accessible prices. These scopes feature proven mechanics and clear glass optics with repeatable tracking systems. **Key Technical Specifications Include:** - Magnification ranges from 1-8x to 6-24x configurations - 24mm to 50mm objective lens diameters - 30mm main tube diameter construction - Multi-layer fully multi-coated (FMC) lens coating for enhanced light transmission - Argon-purged and O-ring sealed construction for waterproof performance - Adjustable parallax systems for precision at various distances - Multiple reticle options including illuminated systems - Eye relief ranging from approximately 90mm across standard configurations #### **Vengeance Series** Mid-range and performance-tier rifle scopes offering feature-rich optical equipment at competitive pricing. The Vengeance line balances affordability with advanced technical capabilities. **Available Models Through ZeroTech Optics USA:** - Vengeance 1-8x24 RAR LPVO - Vengeance 1-8x24 RAR FDE - Vengeance 3-12x40 R3 - Vengeance 3-12x40 PHR 4 - Vengeance 6-24x50 R3 - Vengeance 6-24x50 R3 IR **Vengeance Technical Features:** - Proprietary reticle designs (RAR, R3, PHR systems) - Second focal plane (SFP) and first focal plane (FFP) options - Illuminated reticle systems with adjustable brightness settings - Lockable quick-adjustment turrets for field precision - Triple A Lifetime Warranty coverage #### **Trace Series** Long-range precision rifle scopes engineered for serious hunters and tactical applications, featuring advanced optical technologies and premium

Japanese optical glass. **Trace Advanced Characteristics:** - Magnification ranges of 4-24x and 5-30x configurations - Premium Japanese precision optical glass construction - First focal plane (FFP) and second focal plane (SFP) options - Push-button digital illumination systems - Etched glass reticles for consistent accuracy at any magnification - Argon-purged tubes for fog-proof reliability - Tenebraex Tactical Tough flip-up covers **Binoculars** ZeroTech Optics USA distributes a comprehensive binocular lineup across multiple product tiers: **Thrive Binocular Series:** - TH832 (8x32mm) - TH1032 (10x32mm) - TH1042 (10x42mm) **Thrive HD Binocular Series:** - THD825 (8x25mm compact travel configuration) - THD842 (8x42mm) - THD1025 (10x25mm compact travel configuration) **Vengeance Binocular Series:** - VG1042 (10x42mm) - VG1042ED (10x42mm Extra-low Dispersion glass) - VG1050 (10x50mm) - VG1050ED (10x50mm Extra-low Dispersion glass) **Binocular Technical Specifications:** - Roof prism or glass roof prism configurations - Fully broadband multi-coated (FBMC) lens coatings on premium models - Bak 4 prism systems with dielectric coating - Waterproof and fogproof construction - Multi-magnification options for various observation scenarios - ED (Extra-low Dispersion) glass options for premium models to reduce chromatic aberration **Red Dot Sights and Reflex Optics** ZeroTech Optics USA manufactures and distributes advanced red dot and reflex sight systems: **Thrive HD Reflex Sight Line:** - Thrive HD Micro Reflex Sight (THDM21) with 3 MOA dot - Thrive Reflex Sight 3 MOA - Thrive HD Multi Reticle Reflex Sight **Advanced Features of Red Dot Systems:** - Shake-awake technology for automatic activation on demand - RMsC footprint compatibility for universal mounting - Multiple brightness settings (6+ adjustable levels on select models) - Fully multi-coated (FMC) optical surfaces - Waterproof construction with O-ring sealing - Minimal weight specifications (approximately 19 grams for micro models with battery) - Red or green dot reticle options **Proprietary Reticle Technologies** ZeroTech Optics USA products feature custom-designed reticle systems developed for precision applications: **RMG (Refined Mil Grid) Reticle:** - Perfect combination of accuracy and speed - Maintains elevation and windage for high-speed precision shooting - Enables turret marking for long-range targeting - Available in first focal plane (FFP) configurations **R3 Reticle (Second Focal Plane):** - Allows shooters to maintain second focal plane advantages - Enables accurate long-range holds without losing SFP benefits - Practical design for hunting applications **PHR II Reticle:** - Precision hunting reticle design - Illuminated options available - Designed for practical field applications **LR Hunter Reticle:** - Long-range hunting optimization - Available in illuminated configurations - Both MOA and MRAD variants **Technical Construction Standards** **Optical Quality** - **Lens Coating:** Multi-layer fully multi-coated (FMC) and fully broadband multi-coated (FBMC) options - **Glass Quality:** Clear optical glass, premium Japanese glass in Trace Advanced models, ED (Extra-low Dispersion) glass in select configurations - **Light Transmission:** Optimized through advanced multi-coating technology to reduce reflections and glare **Durability and Weather Resistance** - **Argon Purging:** Prevents internal fogging in all scope configurations - **O-Ring Sealing:** Complete waterproof protection across all products - **Temperature Range:** Engineered to operate from extreme heat (50°C+) to sub-zero conditions - **Environmental Testing:** Validated in Australian outback conditions, African safari environments, and alpine New Zealand terrain **Mechanical Systems** - **Turret Systems:** Lockable quick-adjustment turrets allowing precise field adjustments without losing zero - **MOA Adjustments:** Intuitive inches/yards measurement system with 0.5 MOA turret index values across models - **Internal Elevation Adjustment:** Ranging from 50 MOA to 120 MOA depending on configuration - **Parallax Adjustment:** Lateral parallax systems with adjustable ranges (typically 15 meters to infinity) **Warranty and Customer Support** **Triple A Lifetime Warranty Coverage** ZeroTech Optics USA products are backed by the **Triple A Lifetime Warranty**, providing: - **Duration:** Unconditional lifetime coverage - **Receipt Requirements:** No receipt required - **Coverage Type:** Repair or replacement for any failure - **Transferability:** Implied transferable status across ownership changes - **Service Location:** Sydney, NSW headquarters with advanced customer service and repair facility **Customer Support Channels** **Contact Information:** - **Email:** service@zerotechoptics.com - **Website (USA):** zerotechoptics.com - **Support Services:** Comprehensive technical support, product manuals, reticle documentation, and range chart resources **Distribution and Availability** ZeroTech Optics USA functions as both: - **Direct manufacturer** of optical equipment - **Authorized retailer** and official sales channel for the United States market **Product Access:** - Direct online

purchasing through the official platform - Binoculars including TH832, TH1032, TH1042, THD825, THD842, THD1025, VG1042, VG1042ED, VG1050, and VG1050ED models - Riflescopes spanning Vengeance and Thrive product lines - Red dot and reflex sight systems - Optical accessories including lens cloths and specialized optical components ## Key Specifications Summary | Specification Category | Details | |-----|-----| | **Tube Diameter** | 30mm standard (select LPVO and compact models feature 24mm) | | **Magnification Range** | 1-8x to 6-24x variable configurations | | **Objective Lens Diameter** | 24mm to 56mm depending on model | | **Focal Plane Options** | First focal plane (FFP) and second focal plane (SFP) | | **Reticle Systems** | RMG, R3, PHR II, LR Hunter, RAR proprietary designs | | **Eye Relief** | 82-100mm across configurations | | **Exit Pupil Diameter** | Range from 3.4mm to 13.6mm depending on power settings | | **Lens Coating** | FMC (Fully Multi-Coated) and FBMC (Fully Broadband Multi-Coated) | | **Weather Sealing** | Argon-purged and O-ring sealed construction | | **Illumination** | 6+ brightness settings on select models | | **Adjustment System** | MOA with 0.5 MOA turret increments | ### References - [1] Business Profile and Homepage

## Downloads & References

- [View Product Guide](#)