

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

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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 rifle scopes, binoculars, red dots, and spotting scopes with cutting-edge precision technology tailored to backcountry shooters and avid hunters. Over 50 years of expertise in the optics industry.

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****Price:**** Available

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

[View Product](<https://zerotechoptics.com/product/thrive-red-dot/>)

Product Intelligence

ZeroTech Optics USA: Complete Technical Overview ## Organization 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 the Australian-based manufacturer ZeroTech International Pty Ltd, it serves as the primary purchasing platform for American customers seeking precision optical equipment. ZeroTech Optics is an Australian precision optics company founded in 2018 that specializes in manufacturing a comprehensive range of optical equipment for hunters, competitive shooters, and outdoor enthusiasts. The company operates with over 50 years of combined expertise in the optics industry, drawing from the heritage of its parent company, Tasco Sales (AUST) Pty Ltd, established in 1965. --- ## Product Portfolio #### Rifle Scopes ZeroTech Optics manufactures an extensive range of rifle scopes across multiple product lines: ****Thrive Series**** - Entry-level to mid-range options designed for practical hunting and shooting applications, featuring models such as: - Thrive HD 3-9x40 - Thrive HD 1-8x24 LPVO (Low Power Variable Optic) - Thrive 1-10x24 LPVO - Thrive 3-9x40 with SFP focal plane - Thrive HD 6-24x50 with illuminated reticles ****Vengeance Series**** - Performance-tier scopes engineered for value-conscious shooters, including: - Vengeance 1-8x24 RAR (Refined Accuracy Reticle) LPVO - Vengeance 1-8x24 RAR FDE - Vengeance 3-12x40 with R3 reticle - Vengeance 3-12x40 PHR 4 IR (infrared illumination) - Vengeance 6-24x50 FFP (First Focal Plane) - Vengeance 6-24x50 R3 - Vengeance 6-24x50 R3 IR - Vengeance 1-10x28 RMG-L ****Trace Series**** - Mid-range to professional-grade long-range scopes featuring advanced optical technologies: - Trace 3-18x50mm with SFP and FFP options - Trace 4.5-27x50mm - Trace Advanced 4-24x50mm FFP with Japanese premium glass - Trace Advanced 5-30x56mm #### Binoculars ZeroTech Optics

manufactures multiple binocular models distributed through the USA platform: **Thrive HD Series:** - THD1042 10x42mm with HD glass - THD842 8x42mm waterproof and fogproof - THD825 8x25mm compact travel binoculars - THD1025 10x25mm compact travel binoculars **Vengeance Series:** - VG842HD 8x42mm premium quality - VG1042 10x42mm with enhanced optics - VG1050ED 10x50mm ED glass (Extra-low Dispersion) - Vengeance ED premium models with broadband multi-coated lenses - VG1250 12x50mm binoculars **Trace Series:** - Trace 15x56mm binoculars for serious outdoor enthusiasts **Red Dot Sights and Reflex Optics** **Thrive Red Dot Line:** - Thrive Red Dot optical sight with clear glass optics - Thrive Reflex Sight 3 MOA - Thrive HD Micro Reflex Sight (THDM21) with RMSc footprint - Thrive HD 1x Micro Prism scope **Trace Line:** - TRACE RAS 1x25 Digital Red Dot Sight - H.A.L.O TRAE28 Heavy-Duty Aspherical Lens Optic with advanced optical technology --- **Technical Specifications and Features** **Optical Construction Standards** All ZeroTech Optics products incorporate professional-grade optical construction: - **Argon Purging:** Prevents internal fogging in all environmental conditions - **O-Ring Sealing:** Waterproof protection against moisture and contamination - **Multi-Layer Lens Coating:** Enhanced light transmission and reduced glare (FMC - Fully Multi-Coated standard) - **FBMC (Fully Broadband Multi-Coated):** Applied to premium binocular models for superior light transmission - **ED Glass (Extra-low Dispersion):** Available in Thrive HD and premium binocular models - **Japanese Premium Glass:** Featured in Trace Advanced riflescopes for superior optical clarity **Magnification and Lens Specifications** Rifle scopes feature specifications including: - **Magnification Ranges:** 1-4x, 1-6x, 1-8x, 1-10x (LPVO configurations) to 4-24x and 5-30x (high-power options) - **Objective Lens Diameters:** 24mm, 28mm, 40mm, 44mm, 50mm, and 56mm options - **Main Tube Diameters:** 30mm (LPVO/compact models), 34mm (premium), and standard configurations **Reticle Systems** **Proprietary Reticle Designs:** - **LR Hunter FFP Reticle:** Designed for long-range hunting applications with first focal plane technology - **RMG FFP Reticle:** Refined Mil Grid system perfect for accuracy and speed in precision shooting - **RMG-L Reticle:** Advanced version for long-range targeting - **R3 SFP Reticle:** Second focal plane reticle allowing accurate holds at any magnification - **RAR MOA Reticle:** Refined Accuracy Reticle in MOA-based adjustments - **PHR II Reticle:** Precision Hunting Reticle with illumination options - **PHR 4 Reticle:** Advanced precision hunting design with enhanced features **Adjustment Capabilities** - **Elevation Adjustment:** Fine-tuned for MOA (Minutes of Angle) increments - **Windage Adjustment:** Precision lateral correction mechanisms - **Parallax Adjustment:** From 15 meters to infinity for crisp reticle definition - **Turret Index Value:** Typically 0.5 MOA for precision tracking - **Lockable Quick-Adjustment Turrets:** Enable precise adjustments without losing zero **Focal Plane Technologies** - **FFP (First Focal Plane):** Reticle scaling with magnification changes, ideal for long-range shooting - **SFP (Second Focal Plane):** Reticle remains constant size, practical for hunting applications - Both options available across product lines depending on specific model **Additional Features** - **Illuminated Reticles:** 6 brightness settings with automatic activation on select models - **Shake-Awake Technology:** Automatic activation system on red dot sights - **Zero Stop Feature:** Available on select Trace and Trace Advanced models to prevent accidental elevation adjustment beyond zero - **Lateral Parallax Adjustment:** Comparable to premium brands at more accessible pricing **Eye Relief and Viewing Specifications** - **Eye Relief:** Ranges from 90mm on high-power models to optimize comfortable viewing - **Exit Pupil Diameter:** Specifications ranging from 13.6mm on low magnification to 3.4mm on high settings - **Field of View:** Varies by magnification range and objective lens diameter **Physical Specifications** - **Weight:** Varies by model and configuration (sample specification: 635g for certain models) - **Objective Outer Diameter:** Ranges from 30mm (compact LPVO) to 65mm (premium configurations) - **Ocular Outer Diameter:** Typically 43.5mm for standard configurations, with variations from 40mm to 47mm across different models **Waterproof and Environmental Ratings** - Waterproof and fogproof design for all conditions - Tested in Australian extreme conditions (temperatures from below zero to 50°C) - Resistant to humidity, dust, and harsh environmental exposure --- **Warranty and Support** **Triple A Lifetime Warranty** ZeroTech Optics backs its product lines with an unconditional **Triple A Lifetime Warranty:** - **Duration:** Lifetime coverage with no expiration - **Receipt Required:** No—warranty is unconditional - **Coverage:** All products covered for repair or replacement regardless of circumstances - **Transferability:** Implied transferability through no-receipt policy This warranty

reflects the company's confidence in product durability and provides exceptional customer protection. ### Customer Support Services - Official website: **zerotechoptics.com** for USA market - Comprehensive product documentation and technical specifications available online - Reticle manuals and range charts provided for all products - Scope mounting instructions and zeroing procedures included - Dedicated technical support and customer service infrastructure --- ## Distribution and Availability in USA ZeroTech Optics USA functions as both an official authorized dealer and the manufacturer's direct sales channel, enabling customers to: - Purchase directly from the manufacturer through **zerotechoptics.com** - Access authentic ZeroTech products with manufacturer oversight - Receive reliable customer support from the official US-based division - Benefit from direct pricing and promotional offers The platform consolidates multiple product categories—including binoculars, riflescopes, and red dot sights—under one direct-purchasing channel. --- ## Competitive Positioning ZeroTech Optics distinguishes itself through: - **Dependable Mechanics**: Reliable turret systems and adjustment mechanisms - **Clear Glass Optics**: Superior optical clarity across product lines - **Repeatable Tracking**: Precision elevation and windage adjustments - **Responsive Customer Support**: Direct manufacturer support infrastructure - **Fair Pricing**: Premium features at more accessible price points - **Lifetime Warranty Protection**: Unconditional coverage exceeding industry standards --- ### References - [1] [directory/business_homepage/business-profile-and-homepage.md](#)

Downloads & References

- [View Product Guide](#)