

# ZeroTech Optics USA - Precision Riflescopes and Hunting Optics

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## Description:

ZeroTech Optics USA offers precision optics designed and built for the backcountry hunter with accuracy and clarity that will exceed your expectations. Through over 50 years of expertise in the optics industry, ZeroTech has developed a range of riflescopes and reticles with unique features and cutting-edge precision technology tailored to backcountry shooters and avid hunters. Features include enhanced low-light performance, multi-coated lenses for bright and clear views, and customized dot designs for shooting at varying ranges. Products include rifle scopes, binoculars, red dots, and spotting scopes with lifetime warranty coverage.

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**Brand:** ZeroTech Optics USA

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## Product Intelligence

# ZeroTech Optics USA: Precision Riflescopes and Hunting Optics ## Overview **ZeroTech Optics USA** is the official United States website, distribution channel, and authorized retailer for ZeroTech Optics products, serving as the primary channel through which customers in the United States can purchase optical products directly from the manufacturer. Operating as the official US-based division and direct sales entity of ZeroTech Optics, the platform provides customers with reliable access to authentic ZeroTech products while maintaining direct manufacturer oversight of distribution and sales within the United States market. ## Company Background 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** through its parent company, Tasco Sales (AUST) Pty Ltd, which has been a major Australian supplier of optical systems since 1965. ## Product Portfolio ### Rifle Scope Series ZeroTech Optics USA manufactures and distributes several major rifle scope series designed for different shooting applications: #### **Vengeance Series** The Vengeance line represents mid-range and performance-tier riflescopes with reliable performance and practical features. Available models through ZeroTech Optics USA include: - **Vengeance 1-8x24 RAR FDE** - Low Power Variable Optic (LPVO) with RAR reticle - **Vengeance 1-8x24 RAR LPVO** -

Compact magnification range for close-quarters to mid-range - **Vengeance 3-12x40 PHR 4** - Mid-range hunting scope - **Vengeance 3-12x40 PHR 4 IR** - Infrared illuminated variant - **Vengeance 3-12x40 R3** - Long-range hunting configuration - **Vengeance 6-24x50 R3** - High magnification precision scope - **Vengeance 6-24x50 R3 IR** - Illuminated long-range variant - **Vengeance 1-10x28 RMG-L** - Advanced reticle system All Vengeance models are backed by **ZeroTech's Triple A Lifetime Warranty**, providing unconditional repair or replacement coverage without requiring proof of purchase. **Thrive Series** Entry-level to mid-range scopes designed for value-conscious hunters and shooters seeking quality optics at accessible price points. **Trace Series** Premium rifle scopes featuring high magnification and advanced optical design suitable for long-range shooting and competitive applications. **Binocular Models** ZeroTech Optics USA offers multiple binocular models for purchase, including: - **TH832, TH842** - Thrive series compact binoculars - **TH1032, TH1042** - Standard magnification Thrive models - **THD825, THD842, THD1025, THD1042** - Thrive HD series with enhanced optics - **VG842HD** - Vengeance HD binoculars - **VG1042, VG1042ED** - Premium Vengeance configurations - **VG1050, VG1050ED** - High-magnification Vengeance variants - **Vengeance VG1250** - Premium binoculars

**Technical Specifications and Features**

**Optical Construction Standards** Every ZeroTech optic incorporates advanced optical technologies designed for harsh environmental conditions: - **Argon Purging** - Prevents internal fogging in humid conditions - **O-Ring Sealing** - Waterproof protection against moisture ingress - **Multi-layer Lens Coating** - Improved light transmission and reduced glare - **ED Glass** - Extra-low Dispersion glass in Thrive HD series for superior color correction - **Japanese Glass** - Premium optical glass in Trace Advanced models - **Bak-4 Prisms** - Dielectrically coated for enhanced image quality in binoculars

**Reticle Systems** ZeroTech Optics offers a comprehensive selection of proprietary reticle designs tailored to different shooting applications:

Reticle	Description	Application
<b>RMG (Refined Mil Grid)</b>	Perfect combination of accuracy and speed for maintaining elevation and windage for high-speed, precision shooting or marking turrets for long-range targeting	Competitive shooting, precision work
<b>R3</b>	Allows shooters to enjoy all aspects of second focal plane (SFP) scopes without losing the ability to hold extremely accurate long-range shots	Long-range hunting
<b>PHR II</b>	Precision Hunting Reticle with illuminated variants available	General hunting
<b>PHR 4</b>	Advanced precision hunting reticle	Mid-range to long-range hunting
<b>LR Hunter FFP</b>	Hybrid optical device featuring First Focal Plane technology and adjustable illumination	Long-range precision shooting
<b>RMG-L (MRAD)</b>	Metric-based targeting pattern for advanced shooters	Tactical and precision applications
<b>Mildot SFP</b>	Mil-based ranging reticle for range estimation and holdover calculations	Tactical and ranging applications

**Focal Plane Technology** - **First Focal Plane (FFP)** - Reticle size changes with magnification; ideal for holdover calculations at any power - **Second Focal Plane (SFP)** - Reticle remains constant size; simpler for quick target acquisition

**Illumination Features** Select models incorporate **illuminated reticle systems** that: - Cut through harsh midday sun while preventing glare - Facilitate shooting in low-light conditions at dawn or dusk - Increase hunting success in varied lighting scenarios - Feature adjustable brightness for operator preference

**Turret and Adjustment Systems** - **Lockable quick-adjustment turrets** - Precise and rapid adjustments in the field without losing zero - **MOA (Minutes of Angle)** - Intuitive system for inches/yards measurements at typical hunting distances - **MRAD (Milliradians)** - Metric standard for precision shooting and long-range applications - **Repeatable tracking** - Reliable mechanical adjustments across magnification ranges

**Red Dot Sights and Reflex Optics** ZeroTech Optics manufactures advanced red dot and reflex sight options: - **Thrive Red Dot Optical Sight** - Basic red dot configuration - **Thrive Reflex Sight 3 MOA** - Compact reflex design with 3 MOA dot - **Thrive HD Micro Reflex Sight (THDM21)** - State-of-the-art micro reflex with shake-awake technology - **Thrive HD 1x Micro Prism Scope** - 1x magnification for close-quarters to mid-range - **TRACE RAS 1x25 Digital Red Dot Sight** - Advanced tactical red dot - **H.A.L.O TRAE28 Heavy-Duty Aspherical Lens Optic** - Tactical heavy-duty design

**Spotting Scopes** ZeroTech manufactures **Thrive HD 20-60x85 ED Angled Spotting Scope** designed for serious hunters and outdoor enthusiasts requiring extended observation capabilities.

**Warranty Program**

**Triple A Lifetime Warranty** ZeroTech backs its Vengeance riflescope line and other products with an **unconditional lifetime warranty** that: -

Requires no proof of purchase (no receipt needed) - Covers all defects and failures without limitation - Provides repair or replacement for damaged equipment - Transfers with ownership (implied by no-receipt requirement) - Reflects manufacturer confidence in product durability and construction quality ## Accessories and Components ZeroTech Optics USA supplies additional optical accessories including: - \*\*50mm Sunshade\*\* - Reduces glare and improves image contrast - \*\*Various lens cloths\*\* - Optical-quality cleaning materials - \*\*Illuminated reticle systems\*\* - For retrofit or upgrade purposes - \*\*ZeroTech Riflescope Multi Tool\*\* - Accessory designed for riflescope flip-up covers and turrets (Product ID: ZTA-MULTI, UPC: 9334046004694) ## Design Philosophy and Engineering ZeroTech Optics emphasizes: - \*\*Clear optical glass\*\* - Superior light transmission and image clarity - \*\*Reliable mechanical construction\*\* - Durable engineering for harsh field conditions - \*\*Practical reticle designs\*\* - Balanced precision with usability - \*\*Fair pricing\*\* - Accessible premium features at competitive cost - \*\*Dependable mechanics\*\* - Repeatable tracking and reliable adjustments All products are engineered with emphasis on performance in harsh, real-world conditions including extreme temperatures, humidity, and outdoor environments. ## Research and Documentation Resources ZeroTech maintains the \*\*ZeroTech Resources Website\*\* providing comprehensive product documentation including: - Product manuals and instruction guides - Technical specifications and dimensional drawings - Reticle specification documents (PDF format) - Range charts and ballistic data - Customer support materials - Assembly and zeroing procedures ## Distribution and Purchasing ZeroTech Optics USA functions as both a direct retailer and the manufacturer's official sales channel through its website platform, enabling customers to: - Purchase ZeroTech optical products directly from the manufacturer - Access authentic products with manufacturer warranty coverage - Receive reliable customer support and technical guidance - View comprehensive product specifications and documentation - Benefit from direct manufacturer oversight of product quality and authenticity ### References - [1] [directory/business\\_homepage/business-profile-and-homepage.md](https://www.zerotechoptics.com/directory/business_homepage/business-profile-and-homepage.md)

## Downloads & References

- [View Product Guide](#)