

ZeroTech Optics - Premium Riflescopes, Binoculars & Red Dots

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-optics-premium-riflescopes-binoculars-red-dots/>

Description:

ZeroTech Optics New Zealand delivers premium riflescopes, red dots, binoculars, and spotting scopes built for clarity, precision, and rugged reliability in every outdoor pursuit. Featuring multiple product lines including Thrive, Trace, and Vengeance series with lifetime warranty and 60-day returns.

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****Price:**** Available

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

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Product](<https://store.zerotechoptics.com/p/6-24x50mm-ffp-lr-hunter-illuminated-thrive-hd-riflescope>)

Product Intelligence

ZeroTech Optics: Premium Riflescopes, Binoculars & Red Dots ## Overview ZeroTech Optics is an Australian precision optics manufacturer established in 2018, specializing in high-quality optical equipment for hunters, competitive shooters, and outdoor enthusiasts. The company represents over 50 years of optical expertise through its parent company heritage and operates across multiple international markets with headquarters in Sydney, Australia. ## Product Categories and Technical Features ### Rifle Scopes ZeroTech manufactures a comprehensive range of rifle scopes across multiple product lines, each designed for specific shooting applications and user experience levels.

****Thrive Series**** The Thrive series represents the entry to mid-range segment, featuring optical clarity and precision comparable to premium brands at more accessible pricing. These scopes incorporate fundamental optical technologies including argon purging for fog prevention, O-ring sealing for waterproof protection, and multi-layer lens coating for improved light transmission and reduced glare.

****Thrive HD Series**** The Thrive HD line elevates the value proposition with ED (Extra-low Dispersion) glass, delivering enhanced optical clarity and light transmission. Models in this series include configurations ranging from compact LPVO (Low Power Variable Optics) designs such as the Thrive HD 1-8x24 to mid-range options like the Thrive HD 3-9x40 and Thrive HD 4-16x50mm. ****Vengeance Series**** Positioned as a mid-range and performance-tier product line, Vengeance riflescopes combine value with dependable performance. The series includes models such as the Vengeance 3-12x40, Vengeance 4-16x44, and the Vengeance 6-24x50 FFP, designed for both traditional hunters and precision shooters. ****Trace Series**** The Trace series provides options for hunters and tactical shooters requiring extended range capability, with magnification options from 3-18x50mm to 4.5-27x50mm, incorporating practical reticle designs for various shooting scenarios. ****Trace Advanced Series****

Representing the pinnacle of ZeroTech's optical engineering, the Trace Advanced series features premium Japanese optical glass, advanced reticles, and precision turret systems. These scopes deliver unmatched clarity and precision for long-range shooting and competitive applications. The series includes both First Focal Plane (FFP) and Second Focal Plane (SFP) options, push-button digital illumination, Tenebraex Tactical Tough flip-up covers, and argon-purged tubes for fog-proof reliability.

Construction and Optical Technologies All ZeroTech rifle scopes incorporate standardized construction features designed for extreme environment performance. Every optic is argon-purged and O-ring sealed, engineered to perform flawlessly across humidity extremes and harsh environmental conditions. Multi-layer lens coating technology improves light transmission while reducing glare, providing optical clarity and precision of adjustments comparable to premium brands. Advanced optical technologies include ED glass for superior light transmission and image clarity in select models, Japanese precision glass in Trace Advanced series, and etched glass reticles that remain sharp and accurate at any magnification level.

Binoculars ZeroTech manufactures binoculars across multiple series designed for hunting, birdwatching, and general outdoor observation. **Vengeance Binoculars** The Vengeance line includes configurations from 8x42mm to 12x50mm, featuring roof prism designs. Standard Vengeance models provide essential optical performance, while Vengeance HD variants offer enhanced glass quality. The Vengeance ED line incorporates Extra-low Dispersion glass technology for professional-grade observation. **Thrive HD Binoculars** Available in compact travel configurations (8x25, 8x32) and standard hunting formats (8x42, 10x42), Thrive HD binoculars deliver high optical quality through advanced lens design and construction. Specifications include fully broadband multi-coated (FBMC) lens coating and Bak-4 prisms with dielectric coating for superior image quality. **Trace ED Binoculars** The Trace ED 15x56mm represents premium observation optics for wildlife enthusiasts, photographers, long-range hunters, and competitive shooters, combining advanced technology with durability.

Red Dot Sights and Reflex Optics **Thrive HD Micro Reflex Sight (THDM21)** ZeroTech's advanced shake-awake technology ensures the optic remains ready on demand, eliminating the need for manual activation. Built on the RMSc footprint, the sight mounts seamlessly to all RMSc-compatible firearms and interfaces, providing wide compatibility options. Features include 3 MOA dot size and accessible mounting on various platform types. **Additional Red Dot Products** The Thrive HD RMR series includes 1x20mm and 1x28mm reflex configurations with 3 MOA specifications, compatible with RMR mounting systems.

Spotting Scopes ZeroTech manufactures spotting scopes including the Thrive 20-60x85mm model, designed for serious hunters and outdoor observation applications with 85mm objective lenses for maximum light gathering capability.

Technical Specifications Framework ZeroTech optical equipment incorporates standardized technical specifications across all product lines:

- Optical Specifications:**
 - Magnification Range:** Variable across models from 1-4x compact options to 6-24x and beyond for long-range applications
 - Objective Lens Diameter:** Ranging from 20mm in compact sights to 85mm in spotting scopes, determining light-gathering capability and brightness
 - Focal Plane Options:** Both First Focal Plane (FFP) and Second Focal Plane (SFP) available across series, affecting reticle scaling with magnification changes
 - Exit Pupil Diameter:** Measurements specified for optimal eye positioning and light utilization across magnification ranges
 - Eye Relief:** Specifications documented to ensure comfortable shooting position and eye safety
 - Field of View:** Documented across magnification ranges for spatial awareness assessment
- Mechanical Specifications:**
 - Tube Diameter:** Primarily 30mm main tubes with 34mm options in specialized models
 - Elevation and Windage Adjustments:** Lockable quick-adjustment turrets allowing precise field adjustments without losing zero
 - Parallax Adjustment:** Lateral parallax adjustment available on select models for precision shooting
- Construction Specifications:**
 - Ocular Outer Diameter:** Measurements documented for eyepiece sizing and ergonomic fit
 - Objective Outer Diameter:** Specifications determining mounting compatibility and housing dimensions
 - Weight:** Full specifications provided for carrying comfort assessment
 - Lens Coating:** Fully Multi-Coated (FMC) or Fully Broadband Multi-Coated (FBMC) technologies applied across optical surfaces

Proprietary Reticle Systems ZeroTech has developed multiple proprietary reticle designs for specialized shooting applications: **RMG (Refined Mil Grid) Reticle** Designed for maintaining elevation and windage in high-speed precision shooting and long-range targeting, providing the perfect combination of accuracy and speed.

****R3 Reticle**** Engineered for long-range hunting applications utilizing second focal plane technology, allowing shooters to enjoy SFP scope advantages while maintaining accurate long-range holding capabilities. ****PHR II (Precision Hunting Reticle)**** Designed as a general hunting reticle with practical crosshair design suitable for traditional hunting applications. ****LR Hunter Reticle**** Developed specifically for long-range hunting precision, available in both traditional and illuminated configurations. ****Additional Reticles**** ZeroTech manufactures the Mildot reticle for tactical and ranging applications, and the Duplex traditional crosshair for general-purpose use. **## Adjustment Systems** ****MOA vs. MRAD Configurations**** ZeroTech scopes are available in both MOA (Minutes of Angle) and MRAD (Milliradian) adjustment systems. MOA provides intuitive adjustment for inches and yards measurements, while MRAD represents the metric standard for precision shooting. Quick-adjustment turrets feature locking mechanisms enabling precise field adjustments without losing zero. **## Warranty and Quality Assurance** ZeroTech backs its products with a ****Triple-A Lifetime Warranty**** providing unconditional repair or replacement coverage without requiring proof of purchase. This comprehensive warranty program reflects exceptional confidence in product durability and provides absolute peace of mind for customers. The parent company, Tasco Sales (AUST) Pty Ltd, maintains ****ISO:9001 Quality Management Systems accreditation**** and ****Australia Trusted Trader status**** with the Australian Border Force. Sydney headquarters includes an advanced customer service and repair facility staffed with specialized technicians skilled in optical and digital imaging repair, firearm mechanics, and electronics support. **## Summary of Key Technical Entities** ZeroTech Optics manufactures optical equipment encompassing rifle scopes (Thrive, Thrive HD, Vengeance, Trace, Trace Advanced series), binoculars (Vengeance, Thrive HD, Trace ED models), red dot sights (Thrive HD Micro Reflex, Thrive HD RMR), and spotting scopes. All products feature standardized construction including argon purging, O-ring sealing, multi-layer lens coating, and proprietary reticle systems. Technical specifications include comprehensive optical and mechanical parameters documented across magnification ranges, objective lens diameters, focal plane designations, and adjustment capabilities. **### References** - [1] ZeroTech Optics — Complete Brand Profile and Business Homepage

Downloads & References

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