

# ZeroTech Optics - Premium Riflescopes, Red Dots, Binoculars & Spotting Scopes

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

## Description:

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**Brand:** ZeroTech Optics

**Availability:** in\_stock

[View Product](<https://zerotech.com.au/p/halo-enclosed-aspherical-reflex-sight-3-moa-trace-red-dot/>)

## Product Intelligence

# ZeroTech Optics: Premium Optical Equipment - Technical Details, Specifications, Features & Product Entities ## Company Overview **ZeroTech Optics** is an Australian precision optics company founded in 2018 that specializes in manufacturing high-quality optical equipment for hunters, competitive shooters, and outdoor enthusiasts. The company represents a continuation of over 50 years of optical expertise through its parent company, Tasco Sales (AUST) Pty Ltd (TSA), established in 1965. With an in-house team of optical and mechanical engineers, ZeroTech designs, tests, and delivers products built to Australian standards before exporting globally. ## Product Categories & Technical Specifications ### Riflescopes ZeroTech manufactures three primary rifle scope series, each engineered for specific shooting applications: #### **Thrive Series** The entry-level to mid-range rifle scope line designed for hunters seeking reliable, affordable optics. Thrive scopes feature practical designs with exposed turrets suitable for new hunters and traditional hunting applications. #### **Thrive HD Series** The Thrive HD represents ZeroTech's commitment to delivering dependable optical solutions that balance performance with affordability. These scopes incorporate advanced features including: - **Optical Technology:** ED (Extra-low Dispersion) glass for superior image clarity - **Magnification Ranges:** Multiple configurations from 1-8x24 to 6-24x50 - **Focal Plane Options:** Both First Focal Plane (FFP) and Second Focal Plane (SFP) designs - **Tube Diameter:** 30mm main tube construction - **Construction Standards:** Argon-purged and O-ring sealed for waterproof reliability - **Reticle Options:** Illuminated reticle systems with multiple brightness settings - **Notable Models:** Thrive HD 1-8x24 LPVO, Thrive HD 3-9x40, Thrive HD 4-16x50, Thrive HD 6-24x50 #### **Vengeance Series** Mid-range and performance-tier rifle scopes manufactured for serious hunters

and competitive shooters. Features include: - **Magnification Range:** 3-12x40 to 6-24x50 configurations - **Low-Power Variable Optics (LPVO):** 1-4x24 and 1-8x24 models for versatile shooting - **Reticle Systems:** RAR (Refined Accuracy Reticle), PHR II, R3, and Mildot options - **Warranty:** Triple A Lifetime Warranty covering all Vengeance products - **Construction:** Durable mechanics engineered for harsh conditions - **Price Point:** Budget-conscious positioning with premium features **Trace Series** Long-range precision scopes designed for competitive shooting and extreme-distance hunting applications: - **Magnification:** 3-18x50mm and 4.5-27x50mm configurations - **Focal Plane:** Both FFP and SFP options available - **Reticle Design:** Advanced reticle patterns optimized for long-range targeting - **Price Range:** \$599-\$899 USD **Trace Advanced Series** The pinnacle of ZeroTech's optical engineering for professional and competition shooters: - **Premium Japanese Glass:** Advanced optical glass for unmatched clarity - **Magnification Range:** 4-24x50mm to 5-30x56mm - **Focal Plane Options:** FFP and SFP configurations - **Advanced Features:** - Push-button digital illumination - Tenebraex Tactical Tough flip-up covers - Argon-purged tubes for fog-proof reliability - **Tube Diameter:** 30mm and 34mm options - **Price Range:** \$1,084-\$2,570 USD **Red Dot Sights & Reflex Optics** ZeroTech manufactures advanced close-quarters optics featuring state-of-the-art technology: **Thrive HD Micro Reflex Optic (THDM21)** - **Technology:** Advanced shake-awake activation - **Reticle:** 3 MOA dot - **Footprint:** RMsC compatible - **Weight:** Approximately 19 grams with battery installed - **Mounting:** Compatible with all RMsC-compatible firearms and mount interfaces - **Retail Price:** \$149-\$213 USD **Thrive HD RMR Series** - **Models:** 1x20mm and 1x28mm configurations - **Reticle Options:** 3 MOA selections - **Footprint:** RMR mounting standard - **Weight:** Approximately 88 grams with battery **Additional Red Dot Products** - Thrive Red Dot optical sight - Thrive Reflex Sight 3 MOA - TRACE RAS 1x25 Digital Red Dot Sight - H.A.L.O TRAE28 Heavy-Duty Aspherical Lens Optic (78 grams) **Binoculars** **Thrive Series Binoculars** Entry-level binoculars for hunting and outdoor observation, weighing 479-485 grams across magnification configurations. **Thrive HD Series Binoculars** Mid-range binoculars featuring: - **Magnifications:** 8x42mm and 10x42mm configurations - **Weight:** 685-811 grams depending on model - **Prism Type:** Glass roof prism construction - **Objective Lenses:** 42mm for excellent light gathering - **Retail Price:** \$179-\$269 USD **Vengeance Series Binoculars** Value-focused binoculars with quality optics: - **Magnifications:** 8x42mm, 10x42mm, 10x50mm, 12x50mm - **Weight Range:** 588-751 grams - **Prism Type:** Roof prism with Bak 4 dielectrically coated prisms - **Objective Lenses:** 42mm or 50mm configurations - **Retail Price:** \$95-\$199 USD **Vengeance ED Series** Premium binoculars with Extra-low Dispersion glass: - **Models:** 10x50mm ED configuration - **Weight:** 658 grams - **Retail Price:** \$249-\$349 USD **Trace ED Series Binoculars** Professional-grade binoculars for serious hunters: - **Model:** 15x56mm magnification - **Weight:** 1520 grams (premium construction) - **Glass Type:** ED optical elements - **Application:** Serious hunters and outdoor enthusiasts **Spotting Scopes** **Thrive HD Spotting Scope** - **Magnification:** 20-60x variable zoom - **Objective Lens:** 85mm - **Weight:** 1885 grams (66.5 ounces) - **Retail Price:** \$399-\$499 USD - **Application:** Long-range observation, hunting, bird watching **Advanced Optical Technologies** **Construction Standards** **Argon Purging:** All ZeroTech optics are argon-purged to prevent internal fogging in humid or extreme temperature conditions, ranging from temperatures reaching 50°C to below zero. **O-Ring Sealing:** Waterproof protection ensuring reliability in wet or rainy climates without loss of internal clarity. **Multi-layer Lens Coating:** Improved light transmission and reduced glare across all optical surfaces. **ED Glass:** Extra-low Dispersion glass technology available in premium Thrive HD and Trace Advanced series for superior color correction and image clarity. **Bak 4 Prisms:** Dielectrically coated prisms featured in binoculars for enhanced brightness and image quality. **Proprietary Reticle Systems** ZeroTech has developed specialized reticle designs optimized for different shooting applications: **RMG (Refined Mil Grid) Reticle** Perfect combination of accuracy and speed for maintaining elevation and windage adjustments in high-speed precision shooting or marking turrets for long-range targeting. **R3 Reticle** Allows shooters to leverage all aspects of second focal plane (SFP) scope functionality without losing the ability to hold extremely accurate long-range shots. **PHR II (Precision Hunting Reticle)** Available in illuminated configurations for general hunting applications with clear aiming

points. ##### \*\*LR Hunter (Long-Range Hunter) FFP Reticle\*\* Designed specifically for long-range precision hunting with first focal plane functionality, including illuminated options. ##### \*\*Mildot Reticle\*\* Mil-based ranging reticle for tactical and ranging applications requiring precision distance estimation. ##### \*\*RAR (Refined Accuracy Reticle) MOA\*\* Bespoke reticle design for everyday shooters featuring intuitive MOA-based measurements. ### Turret & Adjustment Systems \*\*Lockable Quick-Adjustment Turrets:\*\* Precision turrets allowing fast field adjustments without losing zero, essential for competitive and hunting applications. \*\*Adjustment Systems:\*\* Both MOA and MRAD options available: - \*\*MOA (Minutes of Angle):\*\* Intuitive for inches and yards measurements - \*\*MRAD (Milliradians):\*\* Metric standard for precision shooting ### Illumination Technology \*\*Reticle Illumination:\*\* Low-light visibility enhancement with multiple brightness settings (typically 6 settings), facilitating shooting in dawn, dusk, and low-light conditions. \*\*Shake-Awake Technology:\*\* Advanced auto-activation system in red dot sights ensuring the optic is always ready on demand without manual activation. \*\*Etched Glass Reticles:\*\* Advanced reticle technology allowing greater shooting accuracy as the reticle remains sharp and accurate at any magnification level. ## Key Technical Features | Feature | Description | Application | |-----|-----|-----| | \*\*Argon Purging\*\* | Prevents internal fogging in extreme environments | All scopes | | \*\*O-Ring Sealing\*\* | Complete waterproof protection | All scopes | | \*\*Multi-layer Coating\*\* | Enhanced light transmission | All optics | | \*\*ED Glass\*\* | Extra-low Dispersion optical glass | Premium series | | \*\*Japanese Glass\*\* | Premium optical elements | Trace Advanced | | \*\*FFP/SFP Options\*\* | Focal plane flexibility | Select models | | \*\*Illuminated Reticles\*\* | Low-light capability | Select models | | \*\*Parallax Adjustment\*\* | Lateral parallax correction | Mid-range and premium | | \*\*Zero Stop\*\* | Elevation lock feature | Advanced models | | \*\*Digital Illumination\*\* | Push-button brightness control | Trace Advanced | ## Warranty Protection ### Triple A Lifetime Warranty ZeroTech stands behind all products with an \*\*unconditional lifetime warranty\*\* that does not require proof of purchase. This comprehensive coverage includes: - \*\*Duration:\*\* Lifetime repair or replacement coverage - \*\*Receipt Required:\*\* No receipt necessary - \*\*Transferability:\*\* Warranty transfers with product ownership - \*\*Service:\*\* Sydney-based TSA facility with dedicated optical and mechanical repair specialists - \*\*Coverage Scope:\*\* All defects including mechanical failure, optical degradation, or accidental damage The warranty reflects ZeroTech's confidence in product durability and provides absolute peace of mind for hunters and shooters using equipment in remote environments. ## Manufacturing & Quality Assurance ### Parent Company Credentials \*\*Tasco Sales (AUST) Pty Ltd (TSA)\*\* provides foundational support with: - \*\*ISO:9001 Quality Management Systems\*\* certification - \*\*Australia Trusted Trader\*\* status with Australian Border Force - \*\*Advanced Customer Service & Repair Facility:\*\* Sydney headquarters with specialized technicians - \*\*Experience:\*\* Nearly six decades of optical industry expertise ### Engineering & Testing ZeroTech's in-house team includes: - Optical engineers specializing in lens design and optical performance - Mechanical engineers developing turret systems and construction - Quality assurance specialists testing products in Australian outback conditions - Technical support team for customer guidance ## Market Positioning & Distribution ### Geographic Markets ZeroTech operates across multiple regions with dedicated regional websites: - \*\*Australia:\*\* zerotech.com.au (primary headquarters) - \*\*United States:\*\* zerotechoptics.com - \*\*New Zealand:\*\* zerotech.co.nz - \*\*International:\*\* Europe, United Kingdom, Africa, and South Pacific nations ### Authorized Retail Network \*\*Australia:\*\* Hunt The Night, XHunter, Optics Central, Scoped Out, OZScopes, ZeroTech Outdoors \*\*United States:\*\* OpticsPlanet, Night-Optics, MidwayUSA, and local firearms dealers through dealer locator service ### Pricing Structure ZeroTech employs tiered pricing across product lines: | Tier | Product Lines | Price Range | |-----|-----|-----| | \*\*Entry\*\* | Thrive 3-9x, 3-12x | \$175-\$299 | | \*\*Mid-Range\*\* | Thrive HD, Vengeance | \$299-\$699 | | \*\*Performance\*\* | Trace | \$549-\$999 | | \*\*Premium\*\* | Trace Advanced | \$1,084-\$2,570 | ## Customer Support & Resources ### Support Infrastructure - \*\*Email:\*\* service@zerotechoptics.com - \*\*Technical Documentation:\*\* Comprehensive product manuals, reticle guides, and range charts - \*\*Instruction Manuals:\*\* Detailed guidance on installation, adjustment, and maintenance - \*\*Reticle Manuals:\*\* Complete documentation for LR Hunter, PHR II, PHR 3, Mildot, and R3 reticle systems - \*\*Retailer Locator:\*\* Online service for finding authorized dealers ### New Customer Offers - \*\*\$20 Discount:\*\* Email signup promotion for first-order discount - \*\*Monthly Giveaways:\*\* Brand new Micro Red Dot promotions for engaged customers - \*\*Exclusive Deals:\*\* Early

access to product launches and special promotions ## Key Differentiators ZeroTech Optics distinguishes itself through: 1. **Australian Engineering Excellence:** Designed and tested in extreme Australian conditions 2. **Affordable Premium Features:** Advanced optical technologies at accessible price points 3. **Unconditional Warranty:** Lifetime coverage without receipt requirement 4. **In-House Expertise:** Over 50 years of combined optical industry knowledge 5. **Proprietary Reticle Systems:** RMG, R3, PHR II designs optimized for specific applications 6. **Value-Focused Philosophy:** Premium features at competitive pricing 7. **Comprehensive Product Range:** Complete optical solutions from entry-level to professional-grade ### References - [1] ZeroTech Optics Business Profile and Homepage

## Downloads & References

- [View Product Guide](#)