

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

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Description:

ZeroTech Optics 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 Vengeance, Thrive, and Trace series with advanced optical engineering, lifetime warranty, and professional-grade performance for hunters, shooters, and outdoor adventurers.

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****Price:**** Available

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

[View Product](<https://zerotech.com.au/p/reflex-sight-multi-reticle-with-high-riser-see-through-mount-thrive-hd-red-dot/>)

Product Intelligence

ZeroTech Optics: Comprehensive Technical Overview ZeroTech Optics is an Australian precision optics manufacturer specializing in riflescopes, red dot sights, binoculars, and spotting scopes designed for hunters, competitive shooters, and outdoor enthusiasts. The company represents over 50 years of optical expertise through its parent company heritage and delivers value-oriented premium features at accessible price points. ## Company Foundation and Heritage ZeroTech Optics was founded in 2018 as a subsidiary of Tasco Sales (AUST) Pty Ltd (TSA), a major Australian optical supplier established in 1965. The company was created to fill a market gap for accessible, high-quality rifle scopes while maintaining the optical standards and expertise developed over decades. ZeroTech has expanded internationally since 2020, establishing operations in the United States and distributing across the Americas, Europe, the United Kingdom, Africa, and South Pacific nations. ## Rifle Scope Product Lines ### Thrive Series The Thrive series represents ZeroTech's entry-level to mid-range offering, designed for traditional hunters seeking practical features and value. These scopes feature standard construction with reliable mechanics and clear glass optics. The Thrive lineup includes models such as the 3-9x40mm and 3-12x44mm configurations, providing versatile magnification ranges suitable for general hunting applications. ### Thrive HD Series The Thrive HD series elevates performance through enhanced optical technologies. These scopes incorporate extra-low dispersion (ED) glass for superior image clarity, multi-layer lens coatings for improved light transmission, and

advanced reticle systems. The Thrive HD lineup features models including the 1-8x24 LPVO (Low Power Variable Optic), 2.5-15x50mm, 3-18x50mm, 4-16x44mm, and 6-24x50mm configurations, offering specialized capabilities for different shooting applications. ### Vengeance Series The Vengeance series targets budget-conscious shooters seeking dependable performance. These mid-range rifle scopes deliver mechanical reliability and optical quality comparable to premium brands at more affordable pricing. The Vengeance lineup includes configurations such as the 1-4x24 LPVO, 1-8x24, 3-12x40, 4.5-18x40, 4-16x40, and 6-24x50 models, with options for both first focal plane (FFP) and second focal plane (SFP) configurations. ### Trace Series The Trace series represents professional-grade long-range optics engineered for precision shooting and competitive applications. These scopes feature premium construction with advanced reticle designs optimized for extended-range targeting. Notable Trace models include the 3-18x50mm (available in both SFP and FFP variants), 4.5-27x50mm, and configurations featuring illuminated long-range hunter reticles. ### Trace Advanced Series The Trace Advanced series represents the pinnacle of ZeroTech's optical engineering, designed for shooters who demand maximum performance. These scopes utilize premium Japanese optical glass, advanced reticle systems, precision turret mechanisms, first focal plane (FFP) and second focal plane (SFP) options, push-button digital illumination, argon-purged tubes for fog-proof reliability, and tactical flip-up covers. Notable models include the Trace Advanced 4-24x50mm FFP and Trace Advanced 5-30x56mm configurations. ## Technical Specifications and Construction ### Optical Technology Features All ZeroTech riflescopes incorporate argon purging and O-ring sealing, providing waterproof protection and preventing internal fogging in extreme weather conditions. The scopes feature multi-layer lens coatings for enhanced light transmission and reduced glare, with selected models incorporating ED (Extra-low Dispersion) glass for superior optical performance. Key technical features include: - **Argon Purging**[™]: Prevents internal fogging across all environmental conditions - **O-Ring Sealing**[™]: Waterproof protection resistant to extreme temperatures - **Multi-layer Lens Coating**[™]: Improved light transmission and glare reduction - **ED Glass**[™]: Extra-low dispersion technology in Thrive HD and premium models - **Japanese Glass**[™]: Premium optical glass in Trace Advanced series - **Etched Glass Reticles**[™]: Maintain sharpness and accuracy at any magnification level - **Lateral Parallax Adjustment**[™]: Enables precise focus adjustment for target distance - **Illuminated Reticle Systems**[™]: Low-light visibility for dawn/dusk hunting scenarios ### Turret and Adjustment Systems Lockable quick-adjustment turrets allow precise and quick adjustments in the field without losing zero. ZeroTech offers both MOA (Minute of Angle) and MRAD (Milliradian) adjustment systems across its scope lineup. MOA is intuitive for inches/yards, while MRAD is the metric standard for precision shooting. Experts advise choosing the system that your hunting partner uses for easy communication in the field. ## Proprietary Reticle Systems ZeroTech has developed specialized reticle designs tailored for specific shooting applications: - **RMG (Refined Mil Grid)**[™]: Perfect combination of accuracy and speed for maintaining elevation and windage for high-speed, precision shooting or marking turrets for long-range targeting. - **R3 Reticle**[™]: Allows the shooter to enjoy all aspects of a second focal plane (SFP) scope without losing the ability to "hold" extremely accurate long-range shots. - **PHR II (Precision Hunting Reticle)**[™]: Traditional precision hunting application design - **LR Hunter Reticle**[™]: Long-range hunting optimization with illuminated variants - **Mildot Reticle**[™]: Mil-based ranging system for tactical and ranging applications - **Duplex**[™]: Traditional crosshair design for general-purpose applications ## Red Dot Sights and Reflex Optics ### Thrive HD Micro Reflex Sight ZeroTech is setting new benchmarks with the Thrive HD Micro Reflex Optic (THDM21), a state-of-the-art addition to the ZeroTech range. At the heart of the Thrive HD Compact Reflex sight is advanced shake-awake technology. This ensures that the optic is always ready on demand, eliminating the need for manual activation. Built on the RMSc footprint, the Thrive HD Micro Reflex seamlessly mounts to all RMSc-compatible firearms and mount interfaces, ensuring users have a wide range of compatibility options. Red dot products include the Thrive HD Micro Reflex 1x21mm (3 MOA, RMSc footprint), Thrive HD RMR 1x20mm (3 MOA, RMR footprint), and Thrive HD RMR 1x28mm (RMR footprint) configurations, with shake-awake activation technology and multiple brightness settings for variable lighting conditions. ## Binocular Product Lines ### Thrive Binocular Series The Thrive binocular lineup includes compact models such as the TH832 (8x32mm) and TH1032 (10x32mm) configurations, offering lightweight portability with traditional roof prism construction and standard

optical coatings. ### Thrive HD Binocular Series Enhanced optics with multi-coated designs provide superior clarity and light transmission. Models include the THD842 (8x42mm) and THD1042 (10x42mm) configurations, featuring waterproof and fogproof construction suitable for demanding outdoor conditions. ### Vengeance Binocular Series The Vengeance binocular range spans multiple magnifications and objective configurations, including 8x42mm, 10x42mm, 10x50mm, and 12x50mm models. Premium variants include the Vengeance HD series with enhanced optical glass, and the Vengeance ED series featuring extra-low dispersion glass for superior color fidelity and reduced chromatic aberration. ### Trace ED Binoculars The premium Trace ED lineup includes the Trace 15x56mm model, representing the high-performance tier with advanced optical technologies and premium glass specifications. ## Spotting Scopes ZeroTech manufactures spotting scopes designed for serious hunters and outdoor enthusiasts, including the Thrive 20-60x85mm configuration offering variable magnification for extended-range observation. Premium models such as the Thrive HD 20-60x85 ED Angled Spotting Scope incorporate ED glass and professional-grade optical systems. ## Construction Standards and Environmental Testing Every ZeroTech optic is Argon-purged and O-ring sealed. These optics perform flawlessly in everything from humid Victorian winters to dusty Northern Territory plains without losing internal clarity. These are scopes designed to operate on the Australian continent, which means they are resistant to the most extreme weather conditions. A country where, in some desert areas, temperatures can reach maximums of up to 50°C or minimums below zero. The scopes undergo rigorous testing across diverse environments including harsh Australian outback conditions, extreme cold climates, and high-humidity regions, ensuring durability and reliability in demanding field conditions. ## Warranty and Customer Support ### Triple-A Lifetime Warranty ZeroTech offers an unconditional lifetime warranty without needing a receipt. This provides absolute peace of mind when you are miles away from civilization on a hunt. ZeroTech products are covered for life. Being shooters, hunters and adventurers, ZeroTech knows perfectly well that sometimes, adventures could fail. That is why ZeroTech supports customers at all times—if it fails or breaks, it will always be repaired or replaced, no matter the problem. ### Service Infrastructure At the Sydney headquarters, TSA has invested in an advanced customer service and repair facility. A dedicated team of technicians, skilled in optical and digital imaging repair, small arm technicalities, and electronics, ensure clients always have a lifeline for the products they procure. ## Distribution and Market Availability ZeroTech distributes products through authorized retailers across multiple regions including Australia, the United States, New Zealand, the United Kingdom, Europe, South Africa, and South Pacific nations. ZeroTech riflescopes are available to purchase at arms dealers. ZeroTech has partnered with weapons retailers across the US to give the best guarantee on riflescopes and red dots. The company operates official websites at zerotech.com.au (Australia), zerotechoptics.com (USA), and zerotech.co.nz (New Zealand), providing direct access to product specifications, technical documentation, range charts, and reticle manuals. ### References - [1] ZeroTech Optics Business Profile and Homepage

Downloads & References

- [View Product Guide](#)