

# ZeroTech 4-16x50mm Mildot Thrive Riflescope

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-4-16x50mm-mildot-thrive-riflescope/>

## Description:

ZeroTech Thrive HD 4-16x50mm Mildot riflescope delivers premium clarity, precision, and rugged reliability for hunters and shooters. Built with advanced optics and field-proven durability for accurate performance in every outdoor pursuit.

## Details:

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**Price:** Available

**Brand:** ZeroTech Optics

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## Product Intelligence

# ZeroTech Thrive 4-16x50mm Mildot Riflescope: Technical Specifications and Features ## Overview The **ZeroTech Thrive 4-16x50mm Mildot Riflescope** is a mid-range hunting optic manufactured by ZeroTech Optics, an Australian precision optics company. This riflescope combines reliable mechanics, clear glass optics, repeatable tracking, and practical design, making it suitable for hunters and shooters requiring dependable range estimation and hold-over capability. ## Magnification and Objective Lens Specifications The riflescope features a **4-16x variable magnification range**, allowing shooters to adapt to different engagement distances and shooting conditions. The magnification capability ranges from 4x power on the low end to 16x power on the high end, providing versatility for both standard and extended-range shooting scenarios. The **50mm objective lens diameter** serves as a primary light-gathering component, determining the brightness, contrast, and field of view characteristics. This objective lens size is specifically chosen to balance light transmission capability with practical portability for hunting applications. ## Reticle System The **Mildot Reticle** is the primary aiming pattern featured on this model. The Mildot is a **mil-based ranging reticle** designed for tactical applications and distance estimation. This reticle configuration includes hash marks that correspond to specific angular measurements, enabling shooters to calculate range and compensate for bullet drop at various distances. ZeroTech provides a **Reticle Range Chart** included with the scope to assist users with comprehensive range information, performance data, and targeting guidance for effective operation with the Mildot reticle system. ## Optical Design and Construction The riflescope utilizes a **Second Focal Plane (SFP) design**, meaning the reticle is positioned in the second focal plane of the optical system. In this configuration, the reticle subtensions remain constant regardless of magnification changes, making it particularly suitable for SFP-based shooting techniques. The optical system incorporates **fully multi-coated lenses** that provide consistent optical performance across varying

lighting conditions. These coatings ensure clarity and light transmission regardless of environmental factors, contributing to brighter and clearer images in both bright and low-light conditions. ## Mechanical Adjustments and Turrets The riflescope features **capped turrets** that protect the adjustment mechanisms while maintaining full functionality. The turret system includes: - **0.25 MOA per click adjustments**, providing precise vertical (elevation) and horizontal (windage) corrections - **Internal elevation adjustment** capability with a **60 MOA adjustment range**, allowing significant vertical aiming capability for long-range compensation - **Lockable quick-adjustment turrets** that enable precise field adjustments without losing zero ## Optical Performance Specifications ### Field of View At 100 meters distance: - **Low magnification (4x): 9.8 meters** - **High magnification (16x): 2.4 meters** ### Exit Pupil Diameter - **Low magnification: 12.5mm** - **High magnification: 3.0mm** ### Eye Relief The riflescope provides **86-91mm of eye relief**, which is the distance from the eyepiece at which the full field of view is visible. This specification is important for safe shooting positions and comfortable viewing during extended use, particularly for eyeglass wearers. ## Tube Construction The riflescope features a **30mm main tube diameter**, a standard specification that provides robust construction and reliable mechanical integrity. The high-strength aluminum construction ensures the device maintains optical alignment and functionality under demanding field conditions and recoil forces associated with firearm operation. ## Product Designation and Model Information The riflescope is identified by several model designations: - **ZeroTech Thrive 4-16x50mm Mildot Riflescope** - **TH41650MD-4-16x50 Thrive** (model with Mildot reticle) - **THRIVE 4-16x50mm Mildot Riflescope** ## Included Accessories When purchased, the riflescope package includes: - **Instruction Manual** providing comprehensive operational and maintenance guidance - **Reticle Range Chart** for distance estimation and ballistic calculations - **High Quality Microfibre Cloth** for cleaning and maintenance purposes ## Warranty and Support ZeroTech backs the riflescope with a **Triple A Lifetime Warranty** covering all products. This unconditional lifetime warranty does not require a receipt and provides absolute peace of mind, ensuring products will be repaired or replaced if they fail or break, no matter the circumstances. ## Manufacturer Information ZeroTech Optics is an Australian precision optics company founded in 2018 that specializes in manufacturing optical equipment for hunters, competitive shooters, and outdoor enthusiasts. The company operates with over 50 years of combined expertise in the optics industry and maintains an official website at [zerotechoptics.com](http://zerotechoptics.com). --- ### 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](#)