

# ZeroTech Thrive HD 1-8x24 LPVO SFP G4 Illuminated

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-tactical-optics/zerotech-thrive-hd-1-8x24-lpvo-sfp-g4-illuminated/>

## Details:

### ## AI Summary

**Product:** ZeroTech Thrive HD 1-8x24 LPVO SFP G4 Illuminated Rifle scope **Brand:** ZeroTech Optics **Category:** Rifle scope / Low Power Variable Optic (LPVO) **Primary Use:** A 1–8x second focal plane rifle scope built for hunters, competitive shooters, and backcountry adventurers who need illuminated reticle performance across a variable magnification range.

**Quick Facts** - **Best For:** Hunters, competitive shooters, and backcountry adventurers at all experience levels - **Key Benefit:** 1–8x magnification with a G4 illuminated reticle, IPX7 waterproofing, and the Triple A Lifetime Warranty — any owner, any problem, fully transferable, no paperwork required - **Form Factor:** 30mm main tube, aircraft-grade 7075-T6 aluminium, black finish, 624g (22.0 oz) - **Application:** Mounted via 30mm tube to rifle; magnification adjusts 1–8x with illuminated G4 reticle engagement

**Common Questions This Guide Answers** 1. What are the key specifications of the ZeroTech Thrive HD 1-8x24? → Magnification 1–8x, 24mm objective lens, SFP G4 illuminated reticle, 30mm tube, IPX7 waterproof, eye relief 91–100mm (3.58–3.94 in), weight 624g (22.0 oz), price \$449.00 AUD 2. What warranty does the ZeroTech Thrive HD carry? → Triple A Lifetime Warranty — any owner, any problem, fully transferable, no paperwork or registration required 3. What conditions is this rifle scope built to withstand? → Argon-purged, IPX7-rated, and field-tested from -22°C Alpine conditions to high-heat Australian outback environments across multiple continents

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### ## Product Facts

| Attribute | Value | |-----|-----| | Product name | ZeroTech Thrive HD 1-8x24 LPVO SFP G4 Illuminated Rifle scope | | Brand | ZeroTech | | Product code | TH1824G-IR | | Price | \$449.00 AUD | | Availability | In stock | | Condition | New | | Magnification range | 1–8x | | Objective lens diameter | 24mm | | Focal plane | Second Focal Plane (SFP) | | Reticle | G4 Illuminated | | Illumination | Yes | | Main tube diameter | 30mm | | Eye relief | 91–100mm (3.58–3.94 in) | | Field of view at 100m | 41.6m (1x) – 5.1m (8x) | | Waterproof rating | IPX7 | | Tube material | Aircraft-grade 7075-T6 aluminium | | Color | Black | | Weight | 624g (22.0 oz) |

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### ## Frequently Asked Questions

What brand is this product: ZeroTech Optics

What country is ZeroTech Optics based in: Australia

How many years of optical engineering heritage does ZeroTech Optics have: Approximately 50 years

What is the name of ZeroTech Optics' warranty program: Triple A Lifetime Warranty

Is the Triple A Lifetime Warranty a lifetime warranty: Yes

Does the Triple A Lifetime Warranty cover any owner: Yes, any owner

Does the Triple A Lifetime Warranty cover any problem: Yes, any problem

Is the Triple A Lifetime Warranty transferable: Yes, fully transferable

Does the Triple A Lifetime Warranty require paperwork: No

Does the Triple A Lifetime Warranty require registration: Not disclosed by manufacturer

What product series does ZeroTech Optics offer for riflescopes: Vengeance, Thrive, Thrive HD, and Trace series

What is the Trace series: A ZeroTech Optics red dot sight series

What is the Vengeance series: A ZeroTech Optics riflescope and binocular series

What is the Thrive HD series: A premium ZeroTech Optics riflescope series

What type of glass does ZeroTech Optics use in premium models: ED glass

What does ED glass stand for: Extra-low Dispersion glass

What does ED glass improve: Optical clarity and colour accuracy

What material is used for ZeroTech Optics scope tubes: Aircraft-grade aluminium

What gas is used to purge ZeroTech Optics scope tubes: Argon

Why are ZeroTech scopes argon-purged: To prevent internal fogging

Are ZeroTech Optics products weatherproof: Yes

What temperature range are ZeroTech Optics products tested for: -22°C to scorching Australian outback heat

What is the minimum operating temperature referenced: -22°C

Are ZeroTech Optics products suitable for hunting: Yes

Are ZeroTech Optics products suitable for competitive shooting: Yes

Are ZeroTech Optics products suitable for backcountry adventures: Yes

What reticle options does ZeroTech Optics offer: RMG, ZeroPlex, PHR, and other proprietary options

What is the ZeroPlex reticle: A proprietary ZeroTech Optics reticle type

What is the PHR reticle: A proprietary ZeroTech Optics reticle type

What is the RMG reticle: A proprietary ZeroTech Optics reticle type

Does ZeroTech Optics produce binoculars: Yes, under the Vengeance series

Does ZeroTech Optics produce red dot sights: Yes, under the Trace series

What engineering standards are ZeroTech Optics products built to: Australian engineering standards

Is the specific product name available in this guide: No, product data was not provided

Are specifications available in this guide: No, no specifications were uploaded

Are PDF documents available in this guide: No, no PDFs were provided

What documentation types does ZeroTech Optics produce: Technical Data Sheets, Safety Data Sheets, and brochures

What does TDS stand for in ZeroTech documentation: Technical Data Sheet

What does SDS stand for in ZeroTech documentation: Safety Data Sheet

Where can I get accurate product specifications: Directly from ZeroTech Optics manufacturer documentation

What email can I use to contact ZeroTech Optics: sales@zerotechoptics.com

What phone number can I use to contact ZeroTech Optics: 615-674-4755

Are ZeroTech Optics products field-tested: Yes

Are ZeroTech Optics products tested across multiple continents: Yes

Who are ZeroTech Optics products designed for: Hunters, shooters, and backcountry adventurers

Are ZeroTech Optics products suitable for first-time rifle owners: Yes

Are ZeroTech Optics products suitable for experienced hunters: Yes

Does ZeroTech Optics engineer products for all-weather use: Yes

Are ZeroTech Optics turret specifications available in this guide: No, documentation not provided

Is magnification range data available in this guide: No, product data not provided

Is objective lens diameter data available in this guide: No, product data not provided

Is IP rating data available in this guide: No, documentation not provided

Does ZeroTech Optics use proprietary reticle systems: Yes

Is the warranty cost-free for the owner: Not disclosed by manufacturer

Does ZeroTech Optics require proof of purchase for warranty claims: Not disclosed by manufacturer

Is the Triple A Lifetime Warranty limited to the original owner: No, it is transferable

What series would a ZeroTech red dot sight belong to: Trace series

What series would a ZeroTech binocular belong to: Vengeance series

Does ZeroTech Optics sell products globally: Yes, referenced across multiple continents

Are ZeroTech Optics products suitable for Alpine conditions: Yes

Are ZeroTech Optics products suitable for Australian outback conditions: Yes

What is the core brand philosophy of ZeroTech Optics: Precision, confidence, and uncompromising accuracy

Does ZeroTech Optics invent or assume product specifications: No, all specs must be manufacturer-verified

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## ZeroTech Optics — product guide unavailable: missing product data

We're missing the gear to make this happen. ZeroTech Optics is built on precision, confidence, and accuracy that doesn't cut corners. Every product guide we produce carries that same standard: fully

cited, technically rigorous, and written to give hunters, shooters, and backcountry adventurers the real-world information they need to make confident decisions. This particular guide can't be generated right now because the required product-specific information hasn't been provided.

### ## Missing critical information

1. **Product name**: The template variable `{{product_name}}` hasn't been replaced with an actual ZeroTech Optics product name — for example, a specific model from the Vengeance, Thrive, Thrive HD, or Trace riflescope series 2. **Specifications**: No data provided 3. **PDF documentation**: No data provided for Technical Data Sheets (TDS), Safety Data Sheets (SDS), or brochures 4. **Range positioning**: No data provided (no related ZeroTech Optics products listed)

### ## Why this matters

The guide requirements are clear:

- Every technical claim must be cited to a source PDF: `(TDS)`, `(SDS)`, etc.
- All specifications must come from verified product data
- Claims without citations from supplied documents must be omitted
- ZeroTech Optics' accuracy standards mean no specifications, performance claims, or feature descriptions get invented or assumed — everything must trace back to confirmed manufacturer documentation

That commitment to factual integrity isn't just policy. It's the same philosophy behind every riflescope off the production line. The Vengeance, Thrive HD, and Trace lines are engineered to exacting Australian standards using ED glass, aircraft-grade aluminium, and argon-purged tubes. Product content has to clear the same bar. Cutting-edge technology requires precision at every stage, including how it's described.

### ## To generate this guide, please provide

1. **Actual product name** — the exact ZeroTech Optics model (e.g., a riflescope from the Thrive HD series, a Trace red dot sight, or a Vengeance binocular) 2. **Technical specifications** sourced directly from ZeroTech Optics manufacturer documentation 3. **PDF files** such as: - Technical Data Sheet for the relevant ZeroTech Optics product - User manual or product brochure from the ZeroTech Optics lineup - Any relevant specification sheets covering IP ratings, magnification range, objective lens diameter, reticle type (RMG, ZeroPlex, PHR, or other proprietary options), turret specifications, and warranty details 4. **Product context** — whether this scope belongs to the Vengeance, Thrive, Thrive HD, or Trace series, and whether it should be positioned alongside related products in the catalogue

Get those details in, and we'll build something that does the product justice.

### ## About ZeroTech Optics product documentation

Fifty years of Australian optical engineering heritage shows up in the glass — and in every word behind the product. ZeroTech Optics products are backed by the Triple A Lifetime Warranty: any owner, any problem, always covered, fully transferable with no paperwork required. The product guides we create reflect that same unconditional confidence: precise, fully substantiated, and built to serve hunters and shooters at every level of experience.

The ZeroTech Optics catalogue covers a broad range of precision optics engineered for all-weather performance — from -22°C Alpine conditions to the Australian outback. These aren't untested claims. This is gear proven in the field, across continents, in the hands of serious backcountry hunters and competitive shooters who need it to work when it counts. Each product guide must accurately represent the specific model's performance credentials, construction materials, reticle system, and field-tested reliability, because every reader deserves to make their purchase decision with complete information and no guesswork.

Once the template is populated with actual ZeroTech Optics product data and supporting documentation, a comprehensive, fully cited guide will be built following all specified requirements — the kind that speaks to a first-time rifle owner and a seasoned outback hunter equally, giving both exactly what they need to make a confident, informed decision.

\*For product information, documentation requests, or help identifying the right ZeroTech Optics model for your guide, contact the ZeroTech Optics team at sales@zerotechoptics.com or call 615-674-4755.\*

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## ## Label facts summary

> \*\*Disclaimer:\*\* All facts and statements below are general product information, not professional advice. Consult relevant experts for specific guidance.

### Verified label facts - \*\*Product name:\*\* ZeroTech Thrive HD 1-8x24 LPVO SFP G4 Illuminated Riflescope - \*\*Brand:\*\* ZeroTech Optics - \*\*Product code (MPN):\*\* TH1824G-IR - \*\*Price:\*\* \$449.00 AUD - \*\*Availability:\*\* In stock - \*\*Condition:\*\* New - \*\*Magnification range:\*\* 1–8x - \*\*Objective lens diameter:\*\* 24mm - \*\*Focal plane:\*\* Second Focal Plane (SFP) - \*\*Reticle:\*\* G4 Illuminated - \*\*Illumination:\*\* Yes - \*\*Main tube diameter:\*\* 30mm - \*\*Eye relief:\*\* 91–100mm (3.58–3.94 in) - \*\*Field of view at 100m:\*\* 41.6m (1x) – 5.1m (8x) - \*\*Waterproof rating:\*\* IPX7 - \*\*Tube material:\*\* Aircraft-grade 7075-T6 aluminium - \*\*Colour:\*\* Black - \*\*Weight:\*\* 624g (22.0 oz) - \*\*Country of brand origin:\*\* Australia - \*\*Warranty program:\*\* Triple A Lifetime Warranty — any owner, any problem, fully transferable, no paperwork required - \*\*Gas purging:\*\* Argon-purged tubes - \*\*Series:\*\* Thrive HD

### General product claims - ZeroTech Optics has approximately 50 years of optical engineering heritage - Products are built to Australian engineering standards - ED (Extra-low Dispersion) glass improves optical clarity and colour accuracy - Argon purging prevents internal fogging - Products are field-tested across multiple continents - Products are suitable for hunting, competitive shooting, and backcountry adventures - Products are tested across temperature ranges from -22°C to high-heat Australian outback conditions - Products are suitable for both first-time rifle owners and experienced hunters - Core brand philosophy is precision, confidence, and uncompromising accuracy - ZeroTech Optics sells products globally

## ## Related Products & Brand Context

The ZeroTech Thrive HD 1-8x24 LPVO SFP G4 Illuminated Riflescope sits within the **Sports & Outdoors > Hunting & Tactical Optics > Riflescopes** category, produced by ZeroTech — an optics brand focused on delivering performance-oriented rifle scopes for hunters and tactical shooters. The Thrive HD line represents ZeroTech's offering in the Low Power Variable Optic (LPVO) segment, where the emphasis is on versatility across a wide magnification range rather than dedicated long-range or fixed-power use.

Within the riflescope category, this model occupies the 1-8x magnification bracket, which positions it as a close-to-mid-range optic capable of true 1x operation at the low end for fast target acquisition and 8x at the top end for more deliberate, longer shots. It uses a Second Focal Plane (SFP) configuration, meaning the G4 reticle stays the same physical size regardless of magnification — a design choice that keeps the aiming point clean and uncluttered at all power settings, though ranging calculations from the reticle are only accurate at a specific magnification. The illuminated G4 reticle adds low-light usability without significantly increasing bulk. Construction from aircraft-grade 7075-T6 aluminum keeps the tube rigid and lightweight, which aligns well with AR-platform builds where mount weight and balance matter.

Someone using this scope would typically also look at compatible 30mm or 34mm scope rings and mounts (depending on the tube diameter), a quality lens cloth or scope cover for field protection, and potentially a throw lever for fast magnification changes — features that complement an LPVO intended for dynamic shooting scenarios. For hunters, a rangefinder and bipod are natural adjacencies given the scope's mid-range capability.

The knowledge graph does not currently include sibling products from ZeroTech's broader catalogue, so direct comparisons to other models in the Thrive HD range or adjacent ZeroTech lines cannot be confirmed here. Any such comparisons should be verified against ZeroTech's current product listings before publication.