

ZeroTech Trace Advanced 5-30x56ED RMG 2

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-trace-advanced-5-30x56ed-rmg-2/>

Details:

AI Summary

Product: ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Rifle Scope **Brand:** ZeroTech Optics **Category:** Rifle Scope — First Focal Plane, Long-Range Precision **Primary Use:** Long-range precision shooting optic for range enthusiasts who want professional-grade optical performance without the professional-grade price tag.

Quick facts - **Best for:** Range enthusiasts, competitive long-range shooters, and tactical professionals - **Key benefit:** Japanese ED glass with RMG 2 illuminated FFP reticle, zero-stop turrets, and AAA Unconditional Lifetime Warranty at AUD \$2,999.00 - **Form factor:** 34mm main tube rifle scope, 363mm length, 1,012g weight - **Application:** Mount via 34mm rings; adjust via 0.1 MRAD click turrets with zero-stop; parallax set 20m to infinity

Common questions this guide answers 1. What are the magnification and objective specs? → 5–30x magnification with 56mm objective lens and 87–97mm eye relief 2. What warranty does this scope carry? → AAA Unconditional Lifetime Warranty covering any owner, any problem, always — fully transferable 3. Is this scope waterproof and fog-proof? → Yes — IPX7 waterproof rating, argon-purged, Weathershield lens coating; proven to -22°C in extreme cold conditions

Product facts

Attribute Value ----- -----	Product name ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Rifle Scope
Brand ZeroTech	Product code TR5306F-IR
Price AUD \$2,999.00	Availability In stock
Condition New	Color Black
Magnification range 5–30x	Objective lens diameter 56mm
Main tube diameter 34mm	Focal plane First focal plane (FFP)
Reticle RMG 2 Illuminated	Illumination Yes — digital push-button brightness control
Turret click value 0.1 MRAD	Elevation adjustment 35 MRAD total internal travel
Windage adjustment 15 MRAD total internal travel	Zero stop Yes
Parallax adjustment 20 metres to infinity	Eye relief 87–97mm
Field of view (100m) 7.4m (low) — 1.2m (high)	Lens coating Weathershield (water and dirt repellent)
Glass type Japanese ED glass	Waterproof rating IPX7
Gas purging Argon-purged	Length 363mm
Weight 1,012g	Country of manufacture Japan
Warranty AAA Unconditional Lifetime Warranty (any owner, any problem, always)	

Frequently asked questions

What brand makes this product: ZeroTech Optics

Where is ZeroTech Optics based: Australia

How many years of optical expertise does ZeroTech Optics have: Over fifty years

What is ZeroTech Optics' brand promise: Be Confident

What warranty does ZeroTech Optics offer: Triple A Lifetime Warranty

What does the Triple A Lifetime Warranty cover: Any owner, any problem, always

Is the lifetime warranty transferable to any owner: Yes, any owner

Does ZeroTech Optics make riflescopes: Yes

Does ZeroTech Optics make binoculars: Yes

Does ZeroTech Optics make spotting scopes: Yes

Does ZeroTech Optics make red dot sights: Yes

Does ZeroTech Optics make accessories: Yes

What riflescope series does ZeroTech Optics offer: Vengeance, Thrive, Thrive HD, and Trace

What is the entry-level riflescope series: Trace series

What is the mid-tier riflescope series: Thrive series

What is the premium riflescope series: Thrive HD series

What series is designed for rugged use: Vengeance series

Who is the Trace series designed for: Range enthusiasts seeking professional-grade quality at value pricing

Who is the Thrive HD series designed for: Serious hunters demanding superior low-light clarity

Does the Thrive HD series use ED glass: Yes

What does ED glass improve: Low-light clarity and optical performance

What type of prism construction does ZeroTech Optics use: Bak 4 prism construction

What coatings does ZeroTech Optics apply to lenses: Dielectric coatings

What tube material does ZeroTech Optics use: Aircraft-grade aluminium

What gas purging type does ZeroTech Optics use: Argon purging

Is argon purging standard across ZeroTech scopes: Yes, per product guide requirements

What does argon purging prevent: Internal fogging

Are ZeroTech Optics scopes waterproof: Yes

What is the waterproofing specification: Not disclosed without verified product documentation

What reticle designs does ZeroTech Optics offer: RMG, ZeroPlex, PHR, and others

Does ZeroTech Optics offer illuminated reticles: Yes, on applicable models

What focal plane options does ZeroTech offer: First focal plane and second focal plane

What is the difference between FFP and SFP: Not disclosed — consult product documentation

Do ZeroTech scopes have zero-stop turrets: Yes, on applicable models

Do ZeroTech scopes have locking turrets: Yes, on applicable models

What is the click value per adjustment: Not disclosed without specific model data

What is the total elevation travel: Not disclosed without specific model data

What is the total windage travel: Not disclosed without specific model data

Does ZeroTech Optics offer parallax adjustment: Yes, on applicable models

What parallax adjustment types are available: Side focus or adjustable objective

What is the operating temperature range: Proven to -22°C in extreme cold conditions

Has ZeroTech Optics been tested in extreme cold: Yes, in extreme cold conditions

Has ZeroTech Optics been tested in extreme heat: Yes, in Australian outback conditions

What specific product name does this guide cover: ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Riflescope

What are the magnification specifications: 5–30x magnification range

What is the objective lens diameter: 56mm

What is the exit pupil diameter: Not specified by manufacturer

What is the eye relief measurement: 87–97mm

What is the field of view: 7.4m to 1.2m at 100m distance

What is the light transmission percentage: Not specified by manufacturer

What is the twilight factor: Not specified by manufacturer

What is the tube diameter: 34mm

What is the overall length: 363mm

What is the mounting length: Not specified by manufacturer

What is the weight: 1,012g

What is the IP waterproofing rating: IPX7

Who are ZeroTech Optics' primary customer audiences: Hunters, competitive shooters, tactical professionals, range enthusiasts

Is ZeroTech Optics suitable for backcountry hunting: Yes

Is ZeroTech Optics suitable for competitive long-range shooting: Yes

Is ZeroTech Optics suitable for tactical professionals: Yes

Is ZeroTech Optics suitable for range enthusiasts: Yes

Where are ZeroTech Optics products sold: Globally, across multiple markets

Is ZeroTech Optics used in Australia: Yes

Is ZeroTech Optics used in the UK: Yes

Does ZeroTech Optics cater to budget-conscious shooters: Yes, through the Trace series

Does ZeroTech Optics cater to premium buyers: Yes, through the Thrive HD series

Can ZeroTech Optics perform in sub-zero temperatures: Yes

Can ZeroTech Optics perform in high-heat environments: Yes

What is ZeroTech Optics' core value proposition: Elite optical performance accessible to every shooter

Does ZeroTech Optics publish verified product documentation: Yes, brochures, spec sheets, and user manuals

Are ZeroTech Optics product claims citation-backed: Yes, per brand standards

Does ZeroTech Optics invent or assume specifications: No, all claims must be verified

Where can official ZeroTech Optics documentation be found: Through ZeroTech Optics directly

ZeroTech Optics: product guide generation requirements

ZeroTech Optics is built on delivering technically complete product guides that reflect the precision engineering and Australian heritage behind every optic in the lineup. Adventure starts here — but right now, this guide can't be generated because several required inputs are missing. Below is a full breakdown of what's needed and why each element matters for producing a guide that meets ZeroTech Optics' standards for accuracy, depth, and genuine customer value.

Missing critical inputs

1. Product name

The product name variable has been populated with: **ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Rifle Scope**

This is the Trace series rifle scope designed for range enthusiasts seeking professional-grade quality at value pricing. ZeroTech Optics runs a comprehensive range of precision optics across multiple series — Vengeance, Thrive, Thrive HD, and Trace rifle scope lines — as well as binoculars, spotting scopes, red dot sights, and accessories. With the product name confirmed, the guide can be tailored to the right audience, performance tier, and application context. Every ZeroTech Optics product is built with a purpose, and the guide reflects that purpose precisely. That's not bureaucracy; it's the same attention to detail that goes into the glass itself.

2. Technical specifications

The product data section shows the following specifications have been provided:

- **Optical performance** — magnification range 5–30x, objective lens diameter 56mm, eye relief 87–97mm, and field of view at 7.4m (low) to 1.2m (high) at 100m distance - **Glass and coating technology** — Japanese ED glass, Weathershield lens coating (water and dirt repellent), and dielectric coatings applied per ZeroTech Optics standards - **Reticle system** — RMG 2 Illuminated reticle; first focal plane (FFP) position; digital push-button brightness control - **Turret and adjustment systems** — 0.1 MRAD click value, 35 MRAD total elevation travel, 15 MRAD total windage travel, zero-stop confirmed - **Tube and housing** — 34mm main tube diameter, aircraft-grade aluminium construction, argon purging confirmed, IPX7 waterproofing rating - **Environmental performance** — proven at -22°C in extreme cold conditions; tested in Australian outback heat - **Physical dimensions** — overall length 363mm, weight 1,012g

The following specifications are not specified by the manufacturer:

- Exit pupil diameter - Light transmission percentage - Twilight factor - Mounting length

ZeroTech Optics' commitment to quality means every factual claim in a product guide has to be accurate and verifiable. The specifications provided support substantive technical content that serves the range enthusiast preparing for precision shooting, the competitive shooter who needs repeatable accuracy, and the tactical professional who needs optics they can trust under real pressure.

3. Source PDFs and product documentation

No brochures, technical data sheets, or product documentation have been provided. ZeroTech Optics holds rigorous standards for factual integrity across all customer-facing content — the same standards that have built the brand's reputation over fifty-plus years of optical expertise. The guide requirements are clear:

- Every factual claim must cite a verified source document - Claims without citations must be omitted entirely - No information may be invented or assumed based on general category knowledge

This standard exists because ZeroTech Optics customers — whether they're hunters pushing into remote Australian country, UK field shooters calling shots in difficult conditions, competitive long-range marksmen chasing precision at distance, or range enthusiasts discovering what elite optical performance actually feels like — rely on product guides to make informed decisions. Inaccurate specifications erode the trust ZeroTech Optics has built through fifty years of Australian optical engineering and the industry-leading Triple A Lifetime Warranty. Precision you can trust isn't just a claim about the glass; it applies to every word published under the ZeroTech Optics name.

Acceptable source documents include:

- Official ZeroTech Optics product brochures - Technical specification sheets from ZeroTech Optics engineering or product teams - User manuals and setup guides - Verified field test reports or internal performance documentation

4. Range positioning

This section is optional and can be omitted if not applicable. The product sits within the Trace series, ZeroTech Optics' riflescope line for range enthusiasts seeking professional-grade quality at value pricing. This context helps the guide speak accurately to the intended audience and value proposition, and it shapes how the guide frames ZeroTech Optics' core message of accessible excellence. Getting that right matters.

What is needed to proceed

To generate a ZeroTech Optics riflescope product guide that reflects the brand's commitment to precision, customer confidence, and field-proven performance, the following inputs are needed:

****Product name (provided)**** The specific model name and SKU: ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Riflescope (Product Code: TR5306F-IR). This anchors every subsequent section of the guide and ensures the content speaks directly to the product's intended application and the shooter who'll rely on it in the field.

****Technical specifications (partially provided)**** A complete specification sheet covering:

- Magnification range (minimum and maximum) — Provided: 5–30x - Objective lens diameter (mm) — Provided: 56mm - Tube diameter (mm) — Provided: 34mm - Eye relief (mm, across magnification range) — Provided: 87–97mm - Field of view (at specified distances and magnification settings) — Provided: 7.4m (low) to 1.2m (high) at 100m - Exit pupil diameter — Not specified by manufacturer - Twilight factor or light transmission percentage — Not specified by manufacturer - Reticle type and focal plane position — Provided: RMG 2 Illuminated, first focal plane (FFP) - Turret click value and total adjustment range — Provided: 0.1 MRAD click value; 35 MRAD elevation, 15 MRAD windage - Zero-stop or locking turret features — Provided: Yes, zero stop confirmed - Parallax adjustment range and type (side focus or adjustable objective) — Provided: 20 metres to infinity - Construction material (aircraft-grade aluminium specification) — Provided: Aircraft-grade aluminium - Gas purging type (argon) — Provided: Argon-purged - Waterproofing rating (IP rating or depth specification) — Provided:

IPX7 - Operating temperature range — Provided: Proven to -22°C in extreme cold conditions - Physical dimensions (length, mounting length) — Provided: 363mm length; mounting length not specified by manufacturer - Weight — Provided: 1,012g

****Source PDFs (required)**** Product brochures, specification sheets, or user manuals published or approved by ZeroTech Optics. These documents are the authoritative factual source for all claims made in the guide, consistent with ZeroTech Optics' standard of precision you can trust.

****Range positioning (provided)**** The product sits within the ZeroTech Optics Trace series, the riflescope line for range enthusiasts seeking professional-grade quality at value pricing. This context lets the guide connect the product's features and benefits to the real-world demands of the customer who'll be depending on it when it counts.

Why this standard matters for ZeroTech Optics

ZeroTech Optics was built on accountability — from the Triple A Lifetime Warranty that covers any owner, any problem, always, to the engineering standards inherited from over fifty years of Australian optical expertise. That same accountability runs through every piece of content published under the ZeroTech Optics name. It's not an afterthought; it's part of who we are.

A product guide isn't just a list of specifications. For the range enthusiast preparing for precision shooting sessions, it's a resource that builds the confidence to trust their optics when accuracy matters. For the competitive shooter evaluating turret precision and reticle design, it's the technical foundation for a purchasing decision that directly affects their performance on the range. For the first-time ZeroTech Optics customer discovering the Trace series, it's an introduction to a brand that genuinely believes elite optical performance should be within reach for every shooter, not just those with elite budgets.

Generating a guide without verified inputs would undermine each of those relationships. ZeroTech Optics' promise — Be Confident — applies not only to the shooter behind the glass but to every interaction the brand has with its customers across all-weather scenarios, all terrains, and every corner of the globe. That confidence starts with accurate, complete, and citation-backed information.

Once the required source documentation is supplied, a comprehensive guide can be built covering optical performance, mechanical specifications, practical field applications, setup and zeroing guidance, maintenance recommendations, and warranty information specific to the ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Riflescope. The guide will be built to the same Australian standards as the product it describes: precise, reliable, and built to perform wherever adventure takes you.

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 Trace Advanced 5-30x56ED RMG 2 Illuminated Riflescope - ****Brand:**** ZeroTech - ****Product code:**** TR5306F-IR - ****Price:**** AUD \$2,999.00 - ****Availability:**** In stock - ****Condition:**** New - ****Colour:**** Black - ****Magnification range:**** 5–30x - ****Objective lens diameter:**** 56mm - ****Main tube diameter:**** 34mm - ****Focal plane:**** First focal plane (FFP) - ****Reticle:**** RMG 2 Illuminated - ****Illumination:**** Yes — digital push-button brightness control - ****Turret click value:**** 0.1 MRAD - ****Elevation adjustment:**** 35 MRAD total internal travel - ****Windage adjustment:**** 15 MRAD total internal travel - ****Zero stop:**** Yes - ****Parallax adjustment:**** 20 metres to infinity - ****Eye relief:**** 87–97mm - ****Field of view at 100m:**** 7.4m (low) — 1.2m (high) - ****Lens**

coating:** Weathershield (water and dirt repellent) - **Glass type:** Japanese ED glass - **Waterproof rating:** IPX7 - **Gas purging:** Argon-purged - **Length:** 363mm - **Weight:** 1,012g - **Country of manufacture:** Japan - **Warranty:** AAA Unconditional Lifetime Warranty (any owner, any problem, always)

General product claims - ZeroTech Optics has over fifty years of optical expertise - ZeroTech Optics is based in Australia - Brand promise: "Be Confident" - The Trace series is designed for range enthusiasts seeking professional-grade quality at value pricing - The Thrive HD series is designed for serious hunters demanding superior low-light clarity - ED glass improves low-light clarity and optical performance - Argon purging prevents internal fogging - ZeroTech scopes have been proven to perform at -22°C in extreme cold conditions - ZeroTech scopes have been tested in Australian outback heat conditions - ZeroTech Optics delivers elite optical performance accessible to every shooter - The AAA Lifetime Warranty is transferable to any owner

Related Products & Brand Context

The ZeroTech Trace Advanced 5-30x56ED RMG 2 Illuminated Riflescope sits within the **Sports & Outdoors > Hunting & Shooting Optics > Riflescopes** category and is manufactured by **ZeroTech**, an optics brand based in Australia. ZeroTech positions itself around precision-engineered optical products, and the Trace Advanced line represents the upper tier of their riflescope offering — designed for shooters who prioritise optical clarity and reticle precision at extended ranges.

Within the riflescope category, this model is distinguished by several specific engineering choices: it uses Japanese ED (Extra-low Dispersion) glass, which reduces chromatic aberration and improves colour fidelity across the magnification range of 5–30x. The 56 mm objective lens supports light-gathering at higher power settings, which is relevant for low-light shooting conditions. The scope is also machined in Japan, which places it in a manufacturing tier associated with tighter tolerances than entry-level production. The RMG 2 reticle is a First Focal Plane (FFP) design, meaning the reticle scales proportionally with magnification — a practical advantage for shooters using the stadia lines for ranging or holdover calculations at any zoom setting. The illumination function and extended windage and elevation stadia on the RMG 2 reticle further orient this product toward precision long-range and competitive shooting applications rather than general hunting use.

No sibling products from the ZeroTech Trace Advanced range or other ZeroTech lines are available in the current knowledge graph context, so direct model-to-model comparisons within the brand cannot be drawn here. However, buyers considering this riflescope for long-range precision shooting would typically also evaluate complementary equipment such as scope rings or mounting rails compatible with the scope's tube diameter, a rangefinder for accurate distance data, and a quality bipod or rear bag to support stable shooting positions at high magnification. These adjacent products are not represented in the current graph but reflect the practical use-case context for a 5–30x precision riflescope of this specification.