

PRODUCT TECH SHEET



SCAN QR FOR INFO

MODEL		TU435 3.0		 Guide outdoor
STYLE		Thermal Scope (no LRF)		
RELEASE	June 2025	RRP	\$2,999	
				
DIMENSIONS				
LENGTH		374mm (14.7")		
WIDTH		89mm (3.5")		
HEIGHT		76mm (3.0")		
WEIGHT		783g (incl batt)		
PROTECTION				
IP68 (water resistant to 6m for 30 mins)				
POWER				
2 x 18650 Li-ion Batteries				

SUMMARY

The **TU435 3.0** rifle scope is GUIDE's entry-level, Series 3.0 'next Gen' non-LRF thermal scope for 2025, featuring many new technologies as GUIDE advance their amazing thermal range.

Featuring a 35mm lens for detection range up to 1800m and an identification range of around 450m, the **TU435 3.0** thermal sensor has a 400m x 300m resolution and is highly sensitive with a NETD of <20mK for exceptional imaging and great detail in even the toughest conditions.

Also new for 2025 is GUIDE's *Shutterless Design* for smooth, uninterrupted visuals; a centrally positioned focus wheel and zoom lever, ergonomically designed for effortless operation... plus dual-band Wi-Fi (2.4G/5G), Bluetooth connectivity and ballistic calculation.

Hyper-light - coming in at under 800g with batteries installed - the **TU435 3.0** is extra rugged with an enhanced, industry-leading IP68 protection and shock resistance up to 6000J/1200G; suitable for most Australian hunting rifle calibres including 300 Win Mag.

KEY FEATURES

- 400 × 300 resolution @12µm thermal detector for crisp thermal detail.
- High sensitivity thermal module NETD < 20 mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.
- 35mm Thermal Lens: F1.0 thermal lens.
- Detection range up to 1800m, with 900m Recognition and 450m Identification ranges.
- 7.4° × 4.4° Field of View with a tight 13m x 8m window at 100m.
- 4.4x ~ 17.6x (4x) magnification with a manual dial focus.
- 0.49" AMOLED 1920 × 1080 display screen for excellent clarity.
- 7 Colour Palettes - *White Hot; Black Hot; Red Hot; Green Hot; Iron Red; Blue Hot; Sepia.*
- Up to twelve (12) hours of continuous operation using 1 x 18650 removable Li-ion battery and 1 x 18500 fixed, internal Li-ion battery.
- 783g including internal and external batteries.

THERMAL MODULE:

Image Sensor	VOx Uncooled Focal Plane Arrays CMOS
Maximum Resolution (Thermal)	400 x 300
Frame Rate	50Hz
Pixel Interval	12 μm
Response Waveband	8μm to 14μm
NETD	Less than 20 mK (@25°C), F# = 1.0
Lens (Focal Length)	35mm, F1.0
Focus Mode	Focus Dial
Detection Range	1800m
Minimum Focusing Distance	3m
Magnification	4.4x ~ 17.6x (4x)
Field of View (HxV),	13m x 8m window at 100m
Degrees/m @100m	7.4° × 4.4°

IMAGE DISPLAY:

Display	0.49" AMOLED 1920×1080
Palettes (Thermal)	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Exit Pupil	8mm
Eye Relief	48mm
Dioptre (Range)	-5 D to +5 D
Zoom	14x

SYSTEM:

Capture Snapshot	Yes
Audio Recording	Yes
Video Recording	Yes
Standby Mode	Yes (includes SMART Auto Screen Off on tilt)
Storage	Built-in EMMC (128GB)
Local Album	Yes
Wi-Fi	Dual Band - 2.4GHz and 5Ghz
Bluetooth	Yes (with optional remote control)

POWER SUPPLY:

Battery Operating Time	Approximately <12 hours (at 25°C)
Battery Type	1 x rechargeable, replaceable Li-ion Battery, 1 x 18650 Internal Battery
Type-C Power Supply	USB Type-C (Power Supply/USB 2.0)

GENERAL:

Protection Level	IP68 (30 minutes under 6m of water)
Dimensions	374mm × 89mm × 76mm (14.72 in × 3.50 in × 2.99 in)
Weight	738g excluding battery, 783g including external battery.
Working Temperature	-20°C to +50°C
Shock Rating	6000J/1200G (most rifle calibres including 300 Win Mag)
Tube Diameter	30mm
Included in Box	Device, Lens Cover, Eye Mask, Quick-Release Scope Mount, Carry Bag, 18650 Battery ×2, Battery Charger, 5V 2A Adapter, USB-A to USB-C Cable, Quick Start Guide, Warranty Card