PRODUCT TECH SHEET

SCAN QR FOR INFO

MODEL	**TU 425 SE 3.0**		
STYLE	Compact Thermal Scope (no LRF)		
RELEASE	June 2025	**RRP**	$2,499



DIMENSIONS	
LENGTH	311mm (12.24")
WIDTH	89mm (3.5")
HEIGHT	76mm (3.0")
WEIGHT	620g (incl batt)

PROTECTION

IP68 (water resistant to 6m for 30 mins)

POWER

2 x Li-ion Batteries (18650/18500)

SUMMARY

The **GUIDE TU425 SE 3.0** 'Special Edition' rifle scope is part of GUIDE's Series 3.0 compact thermal scope lineup for 2025, featuring many new technologies as GUIDE advance their amazing thermal optics.

Featuring a 25mm lens for detection up to 1300m and identification of around 300m, the **TU425 SE 3.0** thermal sensor has a 400m x 300m resolution and super-sensitive NETD of <20mK for clear thermal images with high contrast for extra definition.

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

Coming in at an incredible 620g with batteries installed - the **TU425 SE 3.0** is extra rugged with an enhanced, industry-leading IP68 protection and shock resistance up to 6000J/1200G; suitable for most rifle calibres and projectile weights, 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.
- 25mm Thermal Lens: F1.0.
- Detection range up to 1300m, with 650m Recognition and 325m Identification ranges.
- 10.3° × 6.2° Field of View with a 18m x 11m viewing window at 100m.
- 3.1x ~ 12.4x magnification with a smooth-control, manual dial focus lever.
- 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 removable, rechargeable 18650 Li-ion battery and 1 x 18500 Li-ion fixed and internal battery).
- 620g including internal and external batteries.

TECHNICAL DETAILS [3 Year Warranty]

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)	25mm, F1.0
Focus Mode	Focus Dial
Detection Range	1300m
Minimum Focusing Distance	3m
Magnification	3.1x ~ 12.4x
Field of View (HxV),	18m x 11m window at 100m
Degrees/m @100m	10.3° × 6.2°

IMAGE DISPLAY:

Display	0.49" AMOLED 1920 x 1080
Palettes (Thermal)	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
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 (32GB)
Local Album	Yes
Wi-Fi	Dual Band - 2.4GHz and 5Ghz
Bluetooth	Yes (also available an optional remote control)

POWER SUPPLY:

Battery Operating Time	Approximately <12 hours (at 25°C)
Battery Type	1 x rechargeable, replaceable 18650 Battery, 1 x 18500 Li-ion 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	311mm × 89mm × 76mm (12.24 in × 3.50 in × 2.99 in)
Weight	575g excluding battery, 620g 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