

PRODUCT TECH SHEET



SCAN QR FOR INFO

MODEL		TU650P 3.0 (PRO)						
STYLE		Thermal Scope (with LRF)						
RELEASE	Sep 2025	RRP	\$5,199					
								
					DIMENSIONS			
					LENGTH	451mm (17.8")		
					WIDTH	90mm (3.5")		
					HEIGHT	79mm (3.1")		
WEIGHT	968g (incl batt)							
PROTECTION								
IP68 (water resistant to 6m for 30 mins)								
POWER								
2 x 18650 Li-ion Batteries								

SUMMARY

The **GUIDE TU650P (PRO) 3.0** rifle scope is a slim, feature-packed Series 3.0 LRF thermal scope with many cutting-edge technologies all crammed into a sub-1kg 30mm tube scope.

Featuring a 50mm lens (F0.9) for detection range up to 2600m and an identification range of around 650m, the **TU650P 3.0** thermal sensor has a 640m x 512m resolution and is highly sensitive - with a NETD of 18mK for exceptional imaging detail in even the toughest conditions.

GUIDE's *Shutterless Design* delivers smooth, uninterrupted visuals, plus their advanced *HyperLight* a centrally positioned focus wheel and zoom lever offer effortless operation. Also on-board is a lens-mounted LRF, dual-band Wi-Fi (2.4G/5G), Bluetooth connectivity and ballistic calculation.

The **TU650P 3.0** is extra rugged with an industry-leading IP68 protection and shock resistance suitable for most rifle calibres and projectile weights, including 300 Win Mag, and comes with a FREE set of GUIDE's quick release scope rings set onto a Picatinny Rail.

KEY FEATURES

- 640 × 512 resolution @12µm thermal detector for crisp thermal detail.
- High sensitivity thermal module NETD <18 mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.
- 50mm Thermal Lens: F0.9
- 1500m Laser Rangefinder (LRF) embedded into the lens.
- Detection range up to 2600m, with 1300m Recognition and 650m Identification ranges.
- 8.8° × 7.0° Field of View with a respectable 15m x 12m window at 100m.
- 3.7x ~ 29.6x (8x) magnification with a manual dial focus.
- Huge 1.03" AMOLED 2560 × 2560 display screen for excellent clarity.
- 7 Colour Palettes - *White Hot; Black Hot; Red Hot; Green Hot; Iron Red; Blue Hot; Sepia.*
- Up to twelve (14) hours of continuous operation using 2 x 18650 Li-ion batteries (one battery is removable, the other is fixed and internal).
- 968g including internal and external batteries.

TECHNICAL DETAILS

[3 Year Warranty]

THERMAL MODULE:

Image Sensor
Maximum Resolution (Thermal)
Frame Rate
Pixel Interval
Response Waveband
NETD
Lens (Focal Length)
Focus Mode
Detection Range
Minimum Focusing Distance
Magnification
Field of View (HxV),
Degrees/m @100m
Laser Rangefinder

VOx Uncooled Focal Plane Arrays CMOS
640 x 512
50Hz
12µm
8µm to 14µm
Less than 18 mK (@25°C), F# = 1.0
50mm, F0.9
Focus Dial
2600m
3m
3.7x ~ 29.6x (8x)
15m x 12m window at 100m
8.8° x 7.0°
1500m Range

IMAGE DISPLAY:

Display
Palettes (Thermal)
Exit Pupil
Eye Relief
Dioptre (Range)
Zoom

1.03" AMOLED 2560×2560
White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
8mm
60mm
-5 D to +5 D
7.8x

SYSTEM:

Capture Snapshot
Audio Recording
Video Recording
Standby Mode
Storage
Local Album
Wi-Fi
Bluetooth

Yes
Yes
Yes
Yes (includes SMART Auto Screen Off on tilt)
Built-in EMMC (256GB)
Yes
Dual Band - 2.4GHz and 5Ghz
Yes (plus an optional Bluetooth Remote Control)

POWER SUPPLY:

Battery Operating Time
Battery Type
Type-C Power Supply

Approximately <14 hours (at 25°C)
1 x rechargeable, replaceable Li-ion Battery, 1 x 18650 Internal Battery
USB Type-C (Power Supply/USB 2.0)

GENERAL:

Protection Level
Dimensions
Weight
Working Temperature
Shock Rating
Tube Diameter
Included in Box

IP68 (30 minutes under 6m of water)
451mm x 90mm x 79mm (17.75 in x 3.54 in x 3.11 in)
923g excluding battery, 968g including external battery.
-20°C to +50°C
6000J/1200G (most rifle calibres including 300 Win Mag)
30mm
Device, Lens Cover, Eye Mask, Quick-Release Scope Mount,
Carry Bag, 18650 Battery x2, Battery Charger, 5V 2A Adapter,
USB-A to USB-C Cable, Quick Start Guide, Warranty Card