

TU Pro 3.0 Series

Thermal Imaging Scope



Engineered for Compact Precision



Introduction

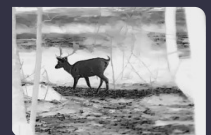
The TU 3.0 Series redefines precision optics with advanced thermal imaging, modular design, and AI-powered performance. Offered in six sub-series—from ultra-light compact units to dual-spectrum, long-range solutions—they meet the demands of hunters, professionals, and tactical users alike. Featuring AI-enhanced imaging, shutterless design, ergonomic controls, IP68 protection, and dual-band Wi-Fi, they deliver reliable performance in any environment.

Features

- o 12 μ m thermal detector, NETD reaches 18mK.
- o Hyper-light algorithm delivers ultra-detailed infrared imaging.
- o QHD 2560×2560 AMOLED display for clear, smooth visuals.
- o Shutterless 3.0 design ensures smooth, uninterrupted visuals.
- o Center-mounted focus wheel and zoom lever for ergonomic control.
- o Built-in LRF lens design delivers precise targeting up to 1500m.
- o IP68-rated, shock resistance up to 6000J.
- o 14 hours of operation, and supports hot-swappable batteries.

Applications

- o Night Hunting
- o Law Enforcement
- o Search & Rescue



Specifications

Product model	TU650P 3.0
Sensor	
Type	Uncooled VOx Infrared Detector, 8 to 14μm
Resolution	640×512@12μm
NETD	18mK
Frame rate	50 Hz
Lens	
Objective lens	50mm, F0.9
Field of view	8.8°×7.0°
FOV m@100m	15×12
Magnification	3.7x~29.6x
Detection range	2600m/2800yd
Focus	Manual
Display	
Display type	1.03" AMOLED 2560×2560
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Eyepiece	Eye relief: 60mm; Diopter -5 to +5; Zoom: 7.8x
Hardware	
Laser rangefinder	1500m/1630yd
WIFI	2.4G, 5G
Interface	USB-C (Charge/USB2.0)
Tube diameter	Standard 30 mm
Others	Microphone, Bluetooth
System	
Recording function	Photo/Video (Audio recording included)
Memory capacity	256GB
Power	
Battery type	18650 ×2 Battery (Built-in) and 18650 ×1 Battery (External)
Operating time	14 hours
Environmental	
Operating temp.	-20°C to 50°C / -4°F to +122°F
Shock	6000J
Encapsulation	IP68
Physical	
Weight (g/oz)	923/32.56
Size (mm/in)	451×90×79/17.75×3.54×3.11
Standard	Device, Quick-Release Scope Mount, Carry Bag, 18650 Battery ×2, Battery Charger, 5V 2A Adapter (US, UK, Australia, and Europe), USB-A to USB-C Cable, Quick Start Guide, Warranty Card
Optional	Bluetooth Remote Control, 18650 Battery

* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors.
All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.