

TU SE 3.0 Series

Thermal Imaging Scope



LPV0, Small but Mighty



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 High-sensitivity thermal sensor × Hyper-light algorithm.
- o Shutterless 3.0 design ensures smooth, uninterrupted visuals.
- o Center-mounted focus wheel and zoom lever for ergonomic control.
- o Only 575g, effortlessly portable.
- o IP68-rated, shock resistance up to 6000J.
- o Auto-saves video/photo per shot, capturing shooting moments.
- o OTA upgrade via TargetIR APP, ballistic solutions via Ballistic APP.

Applications

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



Specifications

Product model	TU425SE 3.0
Sensor	
Type	Uncooled VOx Infrared Detector, 8 to 14μm
Resolution	400×300@12μm
NETD	20mK
Frame rate	50 Hz
Lens	
Objective lens	25mm, F1.0
Field of view	10.3°×6.2°
FOV m@100m	18×11
Magnification	3.1x~12.4x
Detection range	1300m/1400yd
Focus	Manual
Display	
Display type	0.49" AMOLED 1920×1080
Color palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Eyepiece	Eye relief: 48mm; Diopter -5 to +5; Zoom: 14x
Hardware	
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	32GB
Power	
Battery type	18500 ×1 Battery (Built-in) and 18650 ×1 Battery (External)
Operating time	12 hours
Environmental	
Operating temp.	-20°C to 50°C / -4°F to +122°F
Shock	6000J
Encapsulation	IP68
Physical	
Weight (g/oz)	575/20.28
Size (mm/in)	311×89×76/12.24×3.50×2.99
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, Laser Rangefinder, 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.