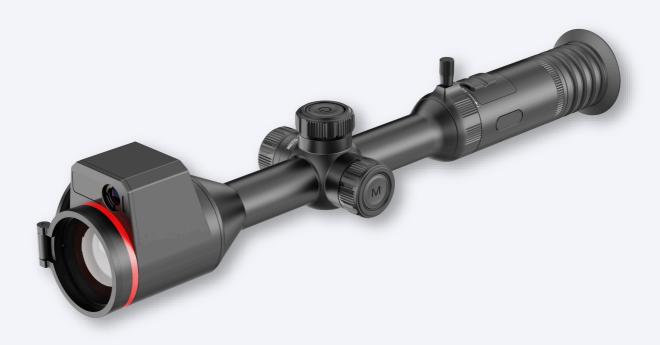
TU Muo 3.0 Series

GiM

Multispectral Thermal Imaging Scope

Brilliance in Thermal & Optical



Introduction

The TU 3.0 Series redefines precision optics with advanced thermal imaging, modular design, and Al-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 Al-enhanced imaging, shutterless design, ergonomic controls, IP68 protection, and dual-band Wi-Fi, they deliver reliable performance in any environment.

Features

- o Integrated thermal and night vision for all-day, all-weather targeting.
- 0 12μm detector + 18mK NETD + Hyper-light algorithm Exceptional clarity.
- 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 Pinpoint target locations with accuracy, up to 1500m.
- o IP68-rated, shock resistance up to 6000J.

Applications

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





Specifications

Product model	TU650M 3.0	TU1250M 3.0
Sensor		
Туре	Thermal: Uncooled VOx Infrared Detector, 8 to 14μm; Digital: CMOS	
Resolution	Thermal: 640×512@12μm (NETD 18mK); Digital: 1920×1080@2.9μm	Thermal: 1280×1024@12μm (NETD 18mK); Digital: 1920×1080@2.9μm
Frame rate	50 Hz	
Lens		
Objective lens	Thermal: 50mm, F1.0; Digital: 35mm, F4.0	
Field of view	Thermal: 8.8°×7.0°; Digital: 6.4°×5.1°	Thermal: 17.5°×14.0°; Digital: 6.4°×5.1°
FOV m@100m	Thermal: 15×12; Digital: 11×9	Thermal: 31×25; Digital: 11×9
Magnification	Thermal: 3.7x~29.6x; Digital: 3.7x~29.6x	Thermal: 1.9x~30.4x; Digital: 3.7x~59.2x
Detection range	Thermal: 2600m/2800yd; Digital: 500m/550yd	
Focus	Manual	
Display		
Display type	1.03" AMOLED 2560×2560	
Color palettes	IR: White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia; Visible: Day, Night, Low-light	
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	12 hours
Environmental	1	1
Operating temp.	-20°C to 50°C / -4°F to +122°F	
Shock	6000J	
Encapsulation	IP68	
Physical	'	
Weight (g/oz)	1013/35.73	1090/38.45
Size (mm/in)	457×90×84/17.99×3.54×3.30	
Standard	Device, Quick-Release Scope Mount, Carry Bag, IR Illuminator, IR Illuminator Bracket, 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.