

TU Muo 3.0 Series

Multispectral Thermal Imaging Scope

Brilliance in Thermal & Optical

outdoor **APEX
VISION**

Features

- o **APEXVISION:** Next-gen infrared imaging system for ultra-clarity & precision
- o **Ultra-Clear Sensitivity:** 12 μ m detector + 15mK NETD with Hyper-light 2.0 enhancement algorithm for exceptional infrared imaging.
- o **Dual Sights:** Integrated thermal and night vision for all-day, all-weather targeting.
- o **Comfortable Viewing:** QHD 2560 \times 2560 AMOLED display for clear, smooth visuals.
- o **Shutterless Design*:** Innovative 3.0 shutterless design ensures smooth, uninterrupted visuals.
- o **Seamless Control:** Centrally positioned focus wheel & zoom lever, ergonomically designed for effortless operation.
- o **Laser Range:** Pinpoint target locations with accuracy, up to 1500m.
- o **Rugged Design:** IP68-rated, shock resistance up to 6000J.

Applications

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



*Note: The shutter module has been retained to ensure high image quality during startup and under significant temperature variations.

Specifications

Product model	TUI260MS
Sensor	
Core Technology Item	Equipped with full ApexVision S1 system architecture: Detector ApexCore S1 + Platform Nexus 1.0 + Algorithm Hyper-Light 2.0
Type	Thermal: Uncooled VOx Infrared Detector, 8 to 14μm; Digital: CMOS
Resolution	Thermal: 1280×1024@12μm (NETD 15mK); Digital: 1920×1080@2.9μm
Frame rate	50Hz
Lens	
Objective lens	Thermal: 60mm, F1.0; Digital: 35mm, F4.0
Field of view	Thermal: 14.6°×11.7°; Digital: 6.4°×5.1°
FOV m@100m	Thermal: 25×20; Digital: 11×9
Magnification	Thermal: 2.3x~36.8x; Digital: 5.1x~81.6x
Detection range	Thermal: 3200m/3500yd; Digital: 330m/360yd
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	12 hours
Environmental	
Operating temp.	-20°C to 50°C / -4°F to +122°F
Shock	6000J
Encapsulation	IP68
Physical	
Weight (g/oz)	1145/40.39
Size (mm/in)	450×90×91/17.72×3.54×3.58
Standard	Device, Eye Mask, Quick-Release Scope Mount, Carry Bag, Lint-Free Cloth, IR Illuminator, IR Illuminator Bracket, Battery Charger, 18650 Battery ×2, 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.