

Mile 2 Thermal Monocular Camera



Key Features

- Vanadium oxide uncooled focal plane detector.
- Wide color gamut AMOLED display
- Long operation time
- Connects to the mobile app through Wi-Fi.
- 6 color palettes.
- 8x digital zoom.
- Built-in EMMC (32 GB).
- Lightweight and portable.
- IP67 rated.

Technical Specification

Thermal	
Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	256 (H) × 192 (V)/384 (H) × 288 (V)/640 (H) × 512 (V)
Pixel Pitch	12 μm
Spectral Range	8 μm–14 μm
Sensitivity (NETD)	256 (H) × 192 (V): ≤35 mK@f/1.0 384 (H) × 288 (V)/640 (H) × 512 (V): ≤25 mK@f/1.0
Frame Rate	50 Hz
Focal Length	256 (H) × 192 (V): 10 mm, 15 mm 384 (H) × 288 (V): 13 mm, 19 mm, 25 mm 640 (H) × 512 (V): 18 mm, 25 mm
Focus Control	256 (H) × 192 (V): 10 mm(fixed), 15 mm(fixed/manual optional) 384 (H) × 288 (V)/640 (H) × 512 (V): manual
Aperture	F1.0

Detection Distance	10 mm: 500 m 13 mm: 700 m 15 mm: 800 m 19 mm: 1000 m 25 mm: 1300 m
Digital Zoom	1 ×; 2 ×; 4 ×; 8 ×
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)
Display	
Display Screen Dimensions	0.32 inch, AMOLED
Screen Resolution	800 (H) × 600 (V)
Function	
Storage	Built-in EMMC (32 GB)
Uniformity Correction	Auto; manual
Hot Spot Trace	Yes
Wi-Fi	Yes
Power	
Power Supply	5 VDC/2 A, USB Type-C
Battery Type	1 rechargeable Lithium batteries (internal)
Battery Capacity	3,200 mAh
Overvoltage Protection	Yes
Operating Time	256 (H) × 192 (V): ≥10 h 384 (H) × 288 (V): ≥9 h 640 (H) × 512 (V): ≥7 h
Environment	
Operating Temperature	−30 °C to +50 °C (−22 °F to +122 °F)
Operating Humidity	≤95%
Storage Temperature	−30 °C to +65 °C (−22 °F to +149 °F)
Physical Characteristics	
Protection	IP67