

## PFI-M215 Thermal Monocular Camera



### Key Features

- Vanadium oxide uncooled focal plane detector.
- Ultra-low power consumption.
- Detection distance is up to 800 m.
- Connects to the mobile app through Wi-Fi.
- Six color palettes.
- Built-in EMMC (16 GB).
- Electronic compass for quick direction identification.
- Lightweight and portable.
- IP67 rated.

## Technical Specification

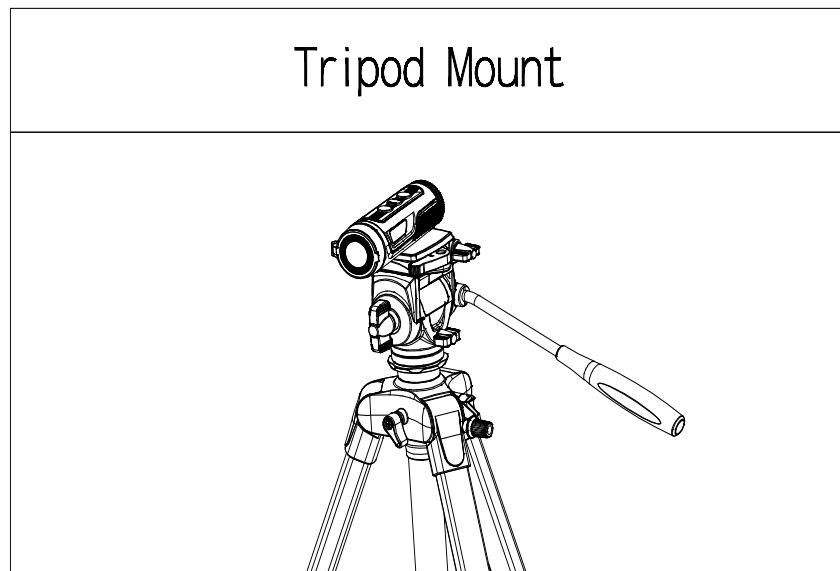
Thermal	
Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	256 (H) × 192 (V)
Pixel Pitch	12 μm
Spectral Range	8 μm–14 μm
Sensitivity (NETD)	≤35 mK@f/1.0, 25 °C
Focal Length	15 mm
Aperture	F1.0
Field of View	H: 11.7°; V: 8.8°/H: 20.5 m; V: 15.4 m (@100 m)
Focus Control	Fixed-focal
Close Focus Distance	2.6 m (8.53 ft)
Detection Distance	800 m (2,624.67 ft)
Magnification	2.33 ×
Frame Rate	50 Hz
Display	
Screen	800 × 600, 0.32 inch, OLED
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)
Video Compression	H.264
Diopter	−3 D to +1 D
Eye Relief	13 mm (0.51 inch)
Exit Pupil	5 mm (0.20 inch)
Function	
Digital Zoom	1×, 2×, 4×, 8×
Video Recorder	Yes
Snapshot	Yes
Wi-Fi Hotspot	Yes
Hot Spot Track	Yes
Video Distance Measurement	Yes
FFC Calibration	Auto, Manual, External Correction
Standby Mode	Yes
DPC (Defective Pixel Correction)	Yes
Storage	Built-in 16 GB
Power	
Battery Type	Rechargeable Lithium battery
Battery Life	8.5 h@25 °C

Power Supply	5 VDC/2 A
Port	USB Type-C
Overvoltage Protection	Yes
<b>General</b>	
Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity	≤95%
Protection Grade	IP67
Packaging Dimensions	180.0 mm × 123.0 mm × 96.0 mm (7.09" × 4.84" × 3.78") (L × W × H)
Product Dimensions	149.0 mm × 56.6 mm × 50.3 mm (5.87" × 2.23" × 1.98") (L × W × H)
Gross Weight	760 g (1.68 lb)
Net Weight	270 g (0.60 lb)

### Ordering Information

Type	Model	Description
Thermal Monocular Camera	PFI-M215	Thermal Monocular Camera

### Installation



**Dimensions (mm[inch])**

