

Key Features

- Vanadium oxide uncooled focal plane detector.
- On-board power consumption through Wi-Fi.
- Calculates distance using video in picture.
- Image resistance reaches up to 1,000 g.
- High Resolution Adjustable. Resolution 1080 OLED screen.
- Metal housing.
- IP67 rated.

Technical Specification

Thermal	
Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	384 (H) x 288 (V)
Pixel Pitch	12 μm
Spectral Range	8 μm-14 μm
Sensitivity (NETD)	30 mK@f/1.0, 25°C
Focal Length	25 mm
Aperture	F1.0
Field of View	H: 11.0°; V: 8.2°
Focus Control	Fixed
Close Focus Distance	2 m (6.56 ft)
Detection Distance	1,300 m (4,265.09 ft)
Magnification	2.1 x
Frame Rate	50 Hz
Display	
Screen	1440 x 1080, 0.41 inch, OLED
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)
Video Compression	H.264
Diopter Adjust	-5 D to +5 D
Eye Relief	44 mm (1.73")
Exit Pupil	6 mm
Function	
Digital Zoom	1x; 2x; 4x; 8x
Reticle	Multiple Patterns & Color Options
Zeroing	Yes
Video Recorder	Yes
Snapshot	Yes
WiFi Hotspot	Yes
Hot Spot Track	Yes
Video Distance Measurement	Yes
FFC Calibration	Auto; manual; immediately
Standby Mode	Yes
PIP (Picture in Picture)	Yes
DPC (Defective Pixel Correction)	Yes
RAR (Recoil Correction Activated)	Yes

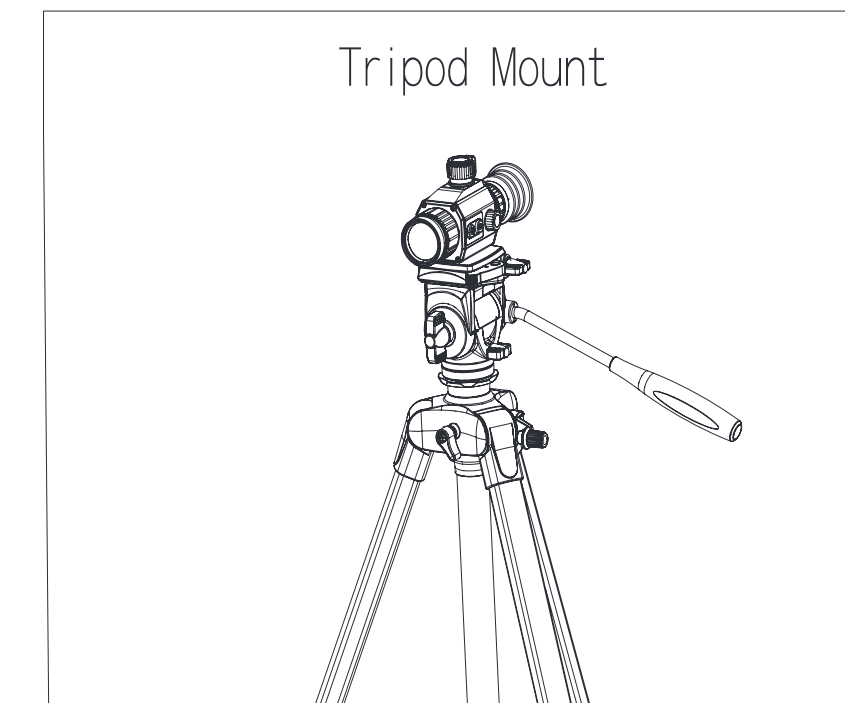
Recorder)

MIC	Yes
Storage	Built-in 16 GB
Power	
Battery Type	Replaceable and rechargeable 18650 battery
Battery Life	7.5 h@25 °C
Power Supply	5 VDC/1 A
Port	USB Type-C
Anti-reverse Battery	Yes
Overcharge Protection	Yes
General	
Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity	95%
Max. Recoil	1,000 g/1 ms
Protection Grade	IP67
Packaging Dimensions	267 mm x 227 mm x 116 mm (10.51" x 8.94" x 4.57") (L x W x H)
Product Dimensions	180.8 mm x 64.1 mm x 87.7 mm (7.12" x 2.52" x 3.45") (L x W x H)
Gross Weight	1 kg (2.20 lb)
Net Weight	460 g (1.01 lb) (battery excluded)

Ordering Information

Type	Model	Description
Thermal Monocular Camera	PFI-C425	Thermal Monocular Camera

Installation



Dimensions (mm[inch])

