

PFI-M625 Thermal Monocular Camera



Key Features

- 3 functions, 1 wheel.
- PIPS 3.0 Pro technology.
- Upgraded display quality.
- Compact and portable design.
- Quick-change 18650 battery design.
- Classic design with durable magnesium alloy body.

Technical Specification

Thermal	
Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	640 (H) × 512 (V)
Frame Rate	50 Hz
Pixel Pitch	12 μm
Spectral Range	8 μm–14 μm
Sensitivity (NETD)	≤15 mK@f/1.0
Focal Length	25 mm
Aperture	F0.9
Field of View	H: 17.4°; V: 13.9°/H: 30.6 m; V: 24.4 m (@100 m)
Focus Control	Manual
Close Focus Distance	1 m (3.28 ft)
Detection Distance	1,300 m (4,265.09 ft)
Visual Equivalent Magnification	1.2×
Digital Zoom	1×–8×
Display	
Screen Size	1920 (H) × 1080 (V), 0.49 inch, OLED
Color Palettes	White Hot, Black Hot, Iron Red, Alarm, Green Hot, Sepia
Diopter	–5 D to 3 D
Eye Relief	15 mm
Function	
Video Recorder	Yes
Snapshot	Yes
Wi-Fi Hotspot	Yes
Hot Spot Track	Yes
FFC Calibration	Auto; Semi-Auto; Manual
Standby Mode	Yes
DPC (Defective Pixel Correction)	Yes
MIC	Yes
Compass	Yes
PIP	Yes
Local Album	Yes
Storage	Built-in 64GB

PIPS 3.0 Pro	Yes
Power	
Battery Type	Rechargeable 18650 Lithium battery
Battery Operating Time	≥5 h@25 °C (Wi-Fi off)
Power Supply	5 VDC
USB	USB Type-C
General	
Operating Temperature	-30°C to 55°C (-22°F to 131°F)
Operating Humidity	≤95%
Protection Grade	IP67
Packaging Dimensions	190.0 mm × 137.0 mm × 86.0 mm (7.48" × 5.39" × 3.39") (L × W × H)
Product Dimensions	160.0 mm × 52.6 mm × 50.5 mm (6.30" × 2.07" × 1.99") (L × W × H)
Net Weight	≤0.29 kg (0.64 lb)
Gross Weight	≤0.84 kg (1.85 lb)

Dimensions (mm[inch])

