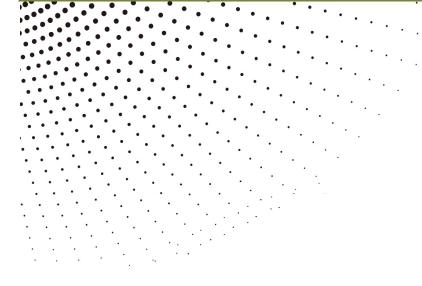


## PFI-A425P LRF Thermal Monocular Camera





## **Key Features**

- Vanadium oxide uncooled focal plane detector.
- Fully integrated 1,000 m laser range finder.
- Rugged Mg housing.
- FHD OLED display.
- Replaceable 18650 battery.
- High optical magnification.
- Left and right hand user friendly design.
- Built-in EMMC (32 GB).
- Lightweight and portable.
- IP67 rated.



## **Technical Specification**

Thermal		
Detector Type	Vanadium oxide uncooled focal plane detector	
Effective Pixels	384 (H) × 288 (V)	
Pixel Pitch	12 µm	
Spectral Range	8 μm-14 μm	
Sensitivity (NETD)	≤20 mK@f/1.0, 25 °C	
Focal Length	25 mm	
Aperture	F1.0	
Field of View	H: 10.9°; V: 8.2°/H: 30.7 m; V: 24.6 m (@100 m)	
Focus Control	Manual	
Close Focus Distance	2 m (6.56 ft)	
Detection Distance	1,300 m (4,265.09 ft)	
Recognition Distance	800 m (2,624.67 ft)	
Identification Distance	500 m (1,640.42 ft)	
Magnification	2.76×	
Frame Rate	50 Hz	
Display		
Screen	1440 × 1080, OLED	
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)	
Video Compression	H.264	
Diopter	-3 D to +5 D	
Eye Relief	15 mm (0.59 inch)	
Exit Pupil	8 mm (0.31 inch)	
Function		
Digital Zoom	1×, 2×, 4×, 8×	
Video Recorder	Yes	
Snapshot	Yes	
Wi-Fi Hotspot	Yes	
Hot Spot Track	Yes	
FFC Calibration	Auto, Manual, External Correction	
Standby Mode	Yes	
DPC (Defective Pixel Correction)	Yes	
Storage	Built-in EMMC (32 GB)	
Laser Range Finder		
Max. Distance	1,000 m (3,280.84 ft)	



Min. Distance	10 m (32.81 ft)
Accuracy	±1 m (3.28 ft)
Safety	Class 1
Wavelength	905 nm
Power	
Battery Type	Replaceable 18650 battery
Battery Life	7.5 h@25 °C (Wi-Fi off, LRF off)
Power Supply	5 VDC/2 A
Port	USB Type-C
Overvoltage Protection	Yes
General	
Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity	≤95%
Protection Grade	IP67
Packaging Dimensions	228 mm × 120 mm × 187 mm (8.98" × 4.72" × 7.36") (L × W × H)
Product Dimensions	168 mm × 50 mm × 78 mm (6.61" × 1.97" × 3.07") (L × W × H)
Gross Weight	≤1.6 kg (3.53 lb)
Net Weight	≤370 g (0.82 lb) (battery excluded)



77.9 [3.07]

Dimensions (mm[inch])

