

PFI-C425F Thermal Monocular Camera



Key Features

- Vanadium oxide uncooled focal plane detector.
- Ultra-low power consumption.
- Connects to the mobile app through Wi-Fi.
- Calculates distance using video analysis.
- Lightweight and portable.
- Picture in picture.
- Impact resistance reaches up to 1,000 g/1 ms.
- RAR (Recoil Activated Recorder).
- 1440 × 1080 OLED screen.
- Metal housing.
- IP67 rated.



Technical Specification

Thermal			
Detector Type V	Vanadium oxide uncooled focal plane detector		
Effective Pixels 3	384 (H) × 288 (V)		
Pixel Pitch 1	12 μm		
Spectral Range 8	8 μm-14 μm		
Sensitivity (NETD) ≤	≤30 mK@f/1.0, 25°C		
Focal Length 2	25 mm		
Aperture F	F1.0		
Field of View H	H: 11.0°; V: 8.2°		
Focus Control F	Fixed		
Close Focus Distance 2	2 m (6.56 ft)		
Detection Distance 1	1,300 m (4,265.09 ft)		
Magnification 1	1.0×		
Frame Rate 5	50 Hz		
Display			
Screen 1	1440 × 1080, 0.41 inch, OLED		
Color Palettes 6	6 (white hot/black hot/iron red/alarm/emerald/amber)		
Video Compression H	H.264		
Eye Relief 3	30 mm (1.18")		
Exit Pupil 6	6 mm		
Function			
Zeroing Ye	Yes		
Video Recorder Y	Yes		
Snapshot Y	Yes		
WiFi Hotspot Ye	Yes		
Hot Spot Track	Yes		
Video Distance Measurement	Yes		
FFC Calibration A	Auto; manual; immediately		
DPC (Defective Pixel Correction)	Yes		
RAR (Recoil Activated _{Ye} Recorder)	Yes		
MIC Y	Yes		
Storage B	Built-in 32 GB		
Power			
Battery Type R	Replaceable and rechargeable 18650 battery		
	7.5 h@25 °C		



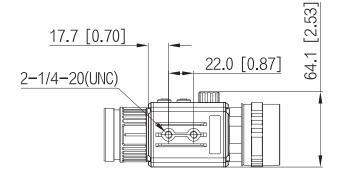
Power Supply	5 VDC/1 A		
Port	USB Type-C		
Anti-reverse Battery Connection	Yes		
Overvoltage Protection	Yes		
General			
Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)		
Operating Humidity	≤95%		
Max. Recoil	1,000 g/1 ms		
Protection Grade	IP67		
Packaging Dimensions	267 mm × 227 mm × 116 mm (10.51" × 8.94" × 4.57") (L × W × H)		
Product Dimensions	153.4 mm × 64.1 mm × 87.7 mm (6.04" × 2.52" × 3.45") (L × W × H)		
Gross Weight	1.8 kg (3.97 lb)		
Net Weight	≤560 g (1.23 lb) (battery excluded)		

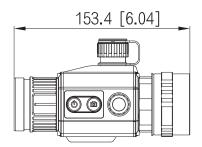
Ordering Information

Туре	Model	Description
Thermal Monocular Camera	PFI-C425F	Thermal Monocular Camera



Dimensions (mm[inch])







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