

## PFI-C450 LRF Thermal Monocular Camera



## **Key Features**

- Vanadium oxide uncooled focal plane detector.
- Ultra-low power consumption.
- Detection distance is up to 2,600 m.
- Laser ranging distance is up to 1,000 m.
- Connects to the mobile app through Wi-Fi.
- 6 color palettes.
- 10 reticles with customized colors.
- 5 zeroing profiles, and each profile has multiple coordinates, which makes the shoot more accurate.
- Picture in picture offers a closer view of the target with the whole visual scene.
- Auto recording, automatically record the video, recording the wonderful moment of hunting.
- Built-in storage (up to 32 GB).
- Metal material.
- 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	50 mm		
Aperture	F1.0		
Field of View	H: 5.5°; V: 4.12°/H: 9.6 m; V: 7.2 m (@100 m)		
Focus Control	Manual		
Close Focus Distance	5 m (16.40 ft)		
Detection Distance	2,600 m (8,530.18 ft)		
Recognition Distance	662 m (2,171.92 ft)		
Identification Distance	331 m (1,085.96 ft)		
Magnification	4.21 ×		
Frame Rate	50 Hz		
Display			
Screen	1440 × 1080, 0.41 inch, OLED		
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)		
Video Compression	H.264		
Diopter	-5 D to +5 D		
Eye Relief	44 mm (1.73 inch)		
Exit Pupil	6 mm (0.24 inch)		
Function			
Digital Zoom	1 ×; 2 ×; 4 ×; 8 ×		
Reticle	Multiple Patterns & Color Options		
Zeroing	Yes		
Video Recorder	Yes		
Snapshot	Yes		
Wi-Fi Hotspot	Yes		
Hot Spot Track	Yes		
FFC Calibration	Auto; Manual; External Correction		
Ballistic Calculations	Yes		
Standby Mode	Yes		
DPC (Defective Pixel Correction)	Yes		



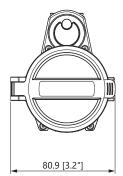
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PIP (Picture in Picture)	Yes		
RAR (Recoil Activated Recorder)	Yes		
MIC	Yes		
Compass	Yes		
Storage	Built-in 32 GB		
Laser Range Finder			
Distance	1,000 m (3,280.84 ft)		
Accuracy	±1 m (3.28 ft)		
Power			
Battery Type	1 replaceable 18650 battery		
Battery Life	8 h@25 °C (Wi-Fi 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	310 mm × 180 mm × 138 mm (12.2" × 7.09" × 5.43") (L × W × H)		
Product Dimensions	223.4 mm × 65.7 mm × 91.5 mm (8.8" × 2.59" × 3.6") (L × W × H)		
Gross Weight	≤2.3 Kg (5.07 lb)		
Net Weight	<632 g (1.39 lb)		

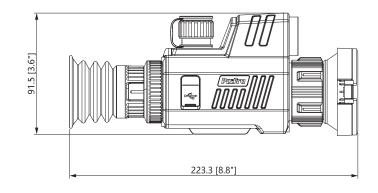
## **Ordering Information**

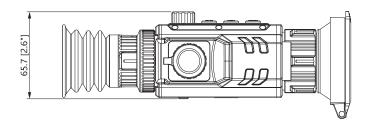
Туре	Model	Description
Thermal Monocular Camera	PFI-C450 LRF	Thermal Monocular Camera



Dimensions (mm[inch])







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