

PFI-C650 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	640 (H) × 512 (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: 8.7°; V: 6.89°/H: 15.4 m; V: 12.3 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	2.57 ×
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

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	6.5 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

Type	Model	Description
Thermal Monocular Camera	PFI-C650 LRF	Thermal Monocular Camera

Dimensions (mm[inch])

