

PFI-C650 Thermal Scope



Key Features

- Minimalist design.
- Compact body.
- PIPS 3.0 technology.
- 15 mK sensitivity detector.
- 0.5-inch track-style design screen with 1600 × 1200 resolution.
- Press type 18650 battery cover.
- New customizable zeroing.
- Quick-release rail system.

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)	≤15 mK@f/1.0
Focal Length	50 mm
Aperture	F1.0
Field of View	H: 8.8°; V: 7.0°/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)
Base Magnification	3.6×
Digital Zoom	1×–8×
Display	
Screen Size	1600 (H) × 1200 (V), 0.5 inch, OLED
Color Palettes	Color Palettes 6 (white hot/black hot/iron red/alarm/emerald/amber)
Eye Relief	50 mm
Diopter	–5 D to 5 D
Function	
Video Recorder	Yes
Snapshot	Yes
Wi-Fi Hotspot	Yes
Hot Spot Track	Yes
FFC Calibration	Auto; Manual; Semi-Auto
Standby Mode	Yes
DPC (Defective Pixel Correction)	Yes
MIC	Yes
PIP	Yes
Local Album	Yes
Storage	Built-in 64GB
PIPS 3.0	Yes
Reticle	Multiple Patterns & Color Options
Zeroing Profile	5

Power	
Battery Type	Replaceable 18650 Lithium battery
Battery Operating Time	≥4.5 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
Max. Recoil	1,000 g/0.4 ms
Packaging Dimensions	298.0 mm × 192.0 mm × 147.5 mm (11.73" × 7.56" × 5.81") (L × W × H)
Product Dimensions	213.0 mm × 81.5 mm × 66.8 mm (8.39" × 3.21" × 2.63") (L × W × H)
Net Weight	0.59 kg (1.30 lb)
Gross Weight	≤2.0 kg (4.41 lb)

Dimensions (mm[inch])

