

PFI-P650 LRF Thermal Scope



Key Features

- Rear focusing design.
- 15 mK detector.
- PIPS 3.0 technology.
- Compact LRF module.
- Q-switch knob for power mode.
- Combined wheel and button design.
- Full magnesium alloy construction.
- 0.5-inch track-style design screen with 1600 × 1200 resolution.

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	3 m (9.84 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	White Hot, Black Hot, Iron Red, Alarm, Green Hot, Sepia
Eye Relief	50mm
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

Ballistic Calculation	Yes
Max. Recoil	1,000 g/0.4 ms
Laser Range	1,000 m (3,280.84 ft)
Laser Accuracy	±1 m (3.28 ft)
Laser Safety	Class 1
Power	
Battery Type	Rechargeable 18650 Lithium battery (internal) + replaceable and rechargeable 18650 Lithium battery (external)
Battery Operating Time	≥9 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
Packaging Dimensions	501.0 mm × 169.0 mm × 156.5 mm (19.72" × 6.65" × 6.16") (L × W × H)
Product Dimensions	409.0 mm × 90.0 mm × 78.5 mm (16.10" × 3.54" × 3.09") (L × W × H)
Net Weight	≤0.84 kg (1.85 lb)
Gross Weight	≤3.4 kg (7.50 lb)

Dimensions (mm[inch])

