

PFI-P650 Thermal Scope



Key Features

- Vanadium oxide uncooled focal plane detector.
- Detecton distance is up to 2,600 m.
- Metal housing.
- Impact resistance reaches up to 1,200 g/ms.
- RAR (Recoil Activated Recorder).
- FHD OLED display.
- Six color paletes.
- Built-in EMMC (64 GB).
- 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)	≤30 mK@f/1.0
Frame Rate	50 Hz
Focal Length	50 mm
Field of View	H: 8.7°; V: 6.98°
Focus Control	Manual
Close Focus Distance	5 m (16.4 ft)
Aperture	F1.0
Detection Distance	2,600 m (8,530.18 ft)
Magnification	2.78×
Image Display	
Size	0.41 inch, OLED
Resolution	1440 (H) × 1080 (V)
Diopter	−3 D to +5 D
Eye Relief	50 mm (1.97")
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)
Function	
Digital Zoom	1x; 2x; 4x; 8x
Reticle	Multiple Patterns & Color Options
Zeroing	Yes
Video Recorder	Yes
Snapshot	Yes
WiFi Hotspot	Yes
Hot Spot Track	Yes
Video Distance Measurement	Yes
FFC Calibration	Auto; manual; immediately
Standby Mode	Yes
PIP (Picture in Picture)	Yes
DPC (Defective Pixel Correction)	Yes
RAR (Recoil Activated Recorder)	Yes
MIC	Yes

Storage	Built-in 64 GB
Power	
Power Supply	5 VDC/2 A, USB Type-C
Battery Type	Rechargeable Lithium battery (internal) and one replaceable CR123A (external)
Battery Capacity	6,400 mAh (internal)
Overvoltage Protection	Yes
Standby Time	≥13 h
Environment	
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)
Operating Humidity	≤95%
Storage Temperature	-30 °C to +65 °C (-22 °F to +149 °F)
Physical Characteristics	
Protection	IP67
Max. Recoil	1,200 g/ms
Structure	
Product Dimensions	420.5 mm × 77.5 mm × 74 mm (16.55" × 3.05" × 2.91") (L × W × H)
Packaging Dimensions	495 mm × 154 mm × 132 mm (19.45" × 6.06" × 5.19") (L × W × H)
Net Weight	≤957 g (2.10 lb)
Gross Weight	≤2.8kg (6.17 lb)

Dimensions (mm[inch])

