

PFI-HA68 Thermal Imaging Camera



Key Features

- Vanadium oxide, uncooled focal plane detector.
- 8 Megapixel progressive scan CMOS, supports multiple video modes such as fusion and PIP.
- Temperature measurement range of -20°C to $+650^{\circ}\text{C}$.
- 4.3-inch LCD display with touch screen.
- Supports spot, line and area temperature measurements. Alarm is triggered when the temperature exceeds the configured threshold.
- Text and voice note functions for marking local information.
- Rechargeable and removable battery, lasts up to 6.5 hours on a single charge.
- Secondary image analysis through external reporting software.

Technical Specification

General				
Appearance	Thermal Imaging Camera			
Type	Radiometric			
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)	≤40 mK@f/1.0			
Lens	Standard lens	0.5× optional lens	2× optional lens	3× optional lens
Focal Length	17 mm	8.5 mm	34 mm	50 mm
Field of View	H: 25°; V: 20°	H: 52°; V: 42°	H: 13°; V: 10°	H: 9°; V: 7°
Focus Control	Manual/Auto			
Close Focus Distance	0.5 m (1.64 ft)			
Optional Lens	Yes. 0.5×; 2×; 3×.			
Digital Zoom	1–8×			
Color Palettes	8 (white hot/black hot/fusion/rainbow/golden autumn/midday/iron red/amber)			
Temperature Measurement Range	Low temperature mode: –20 °C (–4 °F) to +150 °C (+302 °F) High temperature mode: +100 °C (+212 °F) to +650 °C (+1202 °F) Auto mode			
Temperature Measurement Accuracy	Max. (±2 °C, ±2%)			
Temperature Measurement Distance (Min.)	1 m (3.28 ft)			
Temperature Measurement Distance (Max.)	15 m (49.21 ft)			
Temperature Measurement Mode	Spot: 10 Line: 10 Area: 10 Supports 10 rules simultaneously			

Technical Specification

Visible	
Max. Resolution	3264 (H) × 2448 (V)
Pixel	4K
Digital Zoom	Yes. 1–8×
Visible Focus Control	Fixed-focal
Focal Length	3 mm
Field of View	H: 84.1°; V: 45.4°
Illuminator On/Off Control	Auto/Manual
Audio and Video	
Video Compression	H.264
Resolution	Thermal: 1280 × 1024 Visible: 1920 × 1080
Video Frame Rate	25 fps
Screen	
Screen Size	4.3 inch
Screen Type	LCD touch screen
Resolution	640 × 480
Screen Brightness	Low; middle; high
Function	
Image Modes	Thermal/Visible/Fusion/PIP
Laser Ranging	Yes
Buzzer	Yes
Parameter Calibration	Temperature; humidity; radiance
Text Note	Yes (≤200 words)
Voice Note	Yes (≤60 s)
Software	Yes

Port	
Analog Output	1; BNC port
Audio Input	Built-in Mic
Wi-Fi	Yes
USB	Type-C
Power	
Power Supply	Built-in lithium batteries
Battery Capacity	10,000 mAh
Battery Type	Rechargeable
Power Consumption	≤4 W
Operating Time	≥6.5 h
Charging Time	≤4 h (desktop charging)
Environment	
Operating Temperature	−20 °C to +50 °C (−4 °F to +122 °F)
Operating Humidity	≤95%
Storage Temperature	−20 °C to +60 °C (−4 °F to +140 °F)
Physical Characteristics	
Protection	IP54
Anti-corrosion Level	Basic Protection
Drop Test Height	2 m (6.56 ft)

Structure

Product Dimensions	284.5 mm × 127 mm × 125 mm (11.2" × 5" × 4.92") (L × W × H)
Packaging Dimensions	430 mm × 295 mm × 145 mm (16.93" × 11.61" × 5.71") (L × W × H)
Net Weight	≤1.1 kg (2.43 lb)
Gross Weight	≤4.5 kg (9.92 lb)
Accessory	Battery; desktop charger power adaptor; desktop charger; USB type-C cable; sun visor; wrist strap; Micro SD (64 G); BNC cable
Bracket	Tripod (optional)

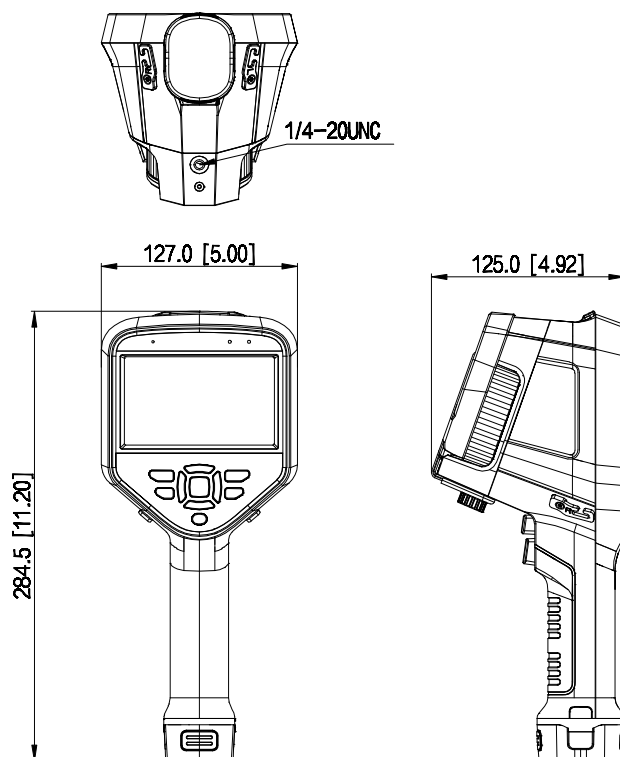
Ordering Information

Type	Model	Description
Thermal Imaging Camera	PFI-HA68	Thermal Imaging Camera

Optional Accessory

- Shield
- Pouch
- Battery
- 0.5× optional lens
- 2× optional lens
- 3× optional lens

Dimensions (mm[inch])



Installation

Tripod Mount

