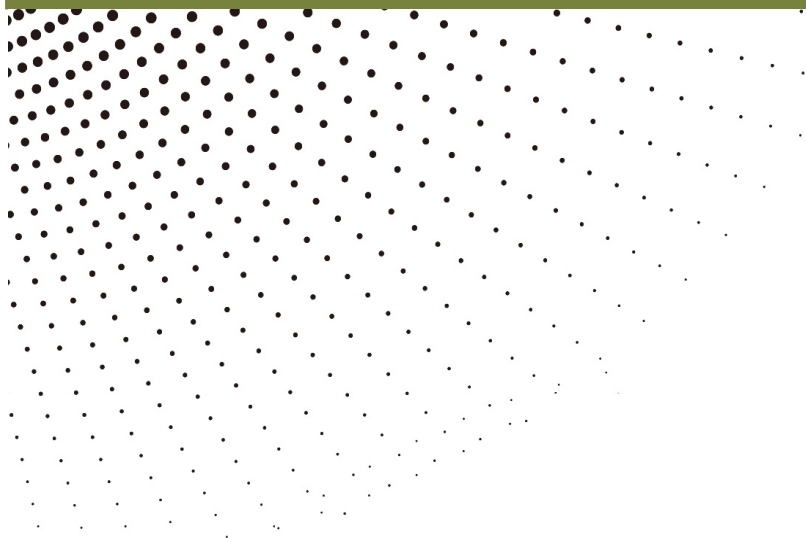


PFI-HI20 Thermal Imaging Camera



Key Features

- Vanadium oxide uncooled focal plane detector.
- Ultra-low power consumption: The power consumption is less than 1 W, and it can be used continuously for more than 9 hours on a single charge.
- Temperature measurement range of -20°C to $+550^{\circ}\text{C}$, with accuracy ($\pm 2^{\circ}\text{C}$, $\pm 2\%$).
- Temperature measurement of hot/cold spot, central spot, 3 custom spots, 1 line and 1 area.
- SD card for storage.
- Laser pointer.
- Buzzer for alarm of temperature abnormality.
- Specific computer client for online monitoring of images.
- Supports 5 VDC power supply or built-in lithium battery.
- IP54 rated.

Technical Specification

Thermal	
Detector Type	Vanadium oxide uncooled focal plane detector
Effective Pixels	256 (H) × 192 (V)
Pixel Pitch	12 μm
Spectral Range	8 μm–14 μm
Sensitivity (NETD)	≤40 mK@f/1.0
Focal Length	3.5 mm
Field of View	H: 37.8°; V: 50.6°
Focus Control	Fixed-focal
Close Focus Distance	0.5 m (1.64 ft)
Color Palettes	4 (white hot/black hot/rainbow/iron red)
Audio and Video	
Video Compression	H.265
Resolution	640 (H) × 480 (V)
Video Frame Rate	25 fps
Image Encoding Format	JPEG
Power	
Power Supply	5 VDC
Power Consumption	< 1 W
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
Structure	
Product Dimensions	192.4 mm × 62.55 mm × 73.2 mm (7.57" × 2.46" × 2.88") (L × W × H)
Packaging Dimensions	239 mm × 147 mm × 109 mm (9.41" × 5.79" × 4.29") (L × W × H)
Net Weight	≤350 g (0.77 lb)
Gross Weight	≤ 1 kg (2.20 lb)

Ordering Information

Type	Model	Description
Thermal Imaging Camera	PFI-HI20-TB3	Thermal: 3.5 mm

Dimensions (mm[inch])

1/4-20 (UNC)

