

PocketE Pocket Thermal Camera



HIKMICRO Pocket Series has a high-resolution HIKMICRO VOx detector, an 0.3 MP optical camera, and a 3.5" LCD touch screen. It helps you quickly and efficiently locate hidden problems and accurately measure abnormal temperatures. The wide temperature range of -20°C to 350°C is ideal for building inspection, HVAC, electrical, and mechanical equipment maintenance. The 25 Hz frame rate keeps up with fast inspection, and the Wi-Fi function allows the Pocket to share images in real-time. The Pocket Series is a powerful thermography tool in your pocket, so it is always there whenever you need it.

Key Feature

- Thermal resolution: 96 × 96 (9,216 pixels), NETD: < 50 mK (@ 25°C, F# = 1.0)
- SuperIR: 240 × 240 (57,600 pixels)
- Accurately measure temperature from -20°C to 350°C (-4°F to 662°F)
- 112 : 1 Distance to spot ratio (D : S)
- Accuracy: Max. (± 2°C/3.6°F, ± 2%)
- 25 Hz image frequency
- Thermal, Fusion, PIP, and Visual modes
- Manual, automatic, and 1-Tap level and span
- High temperature alarm
- Built-in 4 GB memory
- LED work light
- 1.0× to 4.0× continuous digital zoom
- 0.3 MP visual camera
- Up to 4 hours continuous running

Specification

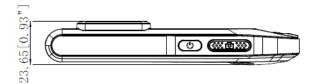
Infrared Image		
IR Resolution	96 × 96 (9,216 pixels)	
SuperIR	240 × 240 (57,600 pixels)	
Distance to Spot Ratio (D : S)	112 : 1	
NETD	< 50 mK (@ 25°C, F# = 1.0)	
Image Frequency	25 Hz	
Detector Pitch	12 μm	
Spectral Range	7.5 μm to 14 μm	
Focal Length	1.35 mm	
F-number	F1.0	
Field of View (FOV)	50° × 50°	
Spatial Resolution (IFOV)	8.89 mrad	
Min. Focus Distance	0.1 m (0.33 ft)	
Focus Mode	Focus Free	
Image Display		
Visual Camera	640 × 480 (0.3 MP)	
Display	320 × 240 Resolution, 3.5" LCD Touch Screen	
Screen Brightness	Manual	
Digital Zoom	1.0× to 4.0× continuous	
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red	
Image Modes	Thermal/Visual/Fusion/PIP/Blending	
Measurement and Analysis		
Object Temperature Range	-20°C to 350°C (-4°F to 662°F)	
Accuracy	Max. ($\pm 2^{\circ}$ C/3.6°F, $\pm 2^{\circ}$), for the ambient temp. 15°C to 35°C (59°F to 95°F) and object	
	temp. above 0°C (32°F)	
Measurement Tools	Center Spot, Hot Spot, Cold Spot	
Level and Span Mode	Auto/Manual/1-Tap Touch-screen	
Data Storage and Communication		
Storage Media	Built-in 4 GB flash memory	
Image Storage Capacity	Approx. 30,000 Images	
Annotations	Voice note: max. 60 seconds;	
	Text note: max. 200 characters	
Video Storage Capacity	Approx. 20 hours	
Video File Format	MP4 video	
General		
Wi-Fi	802.11 b/g/n (2.4 GHz)	
USB Interface	USB Type-C	
LED Light	Yes	
Battery Type	Rechargeable Li-ion battery	
Battery Operating Time	Approx. 4 hours	
Battery Charging Time	Approx. 2.5 hours fully charged	
Protection Level	IP54	
Drop Test Height	2 m (6.56 ft)	
Working Temperature Range	-10°C to 50°C (-4°F to 122°F)	

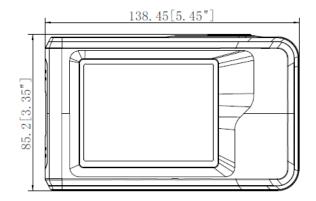
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Relative Humidity	< 95% non-condensing
Weight	Approx. 218 g (0.481 lb)
Dimension	138.45 mm × 85.2 mm × 23.6 mm (5.45" × 3.35" × 0.93")
Tripod Mounting	UNC ¼"-20

Available Model

PocketE

Dimension







Unit: mm[inch]

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



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