

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

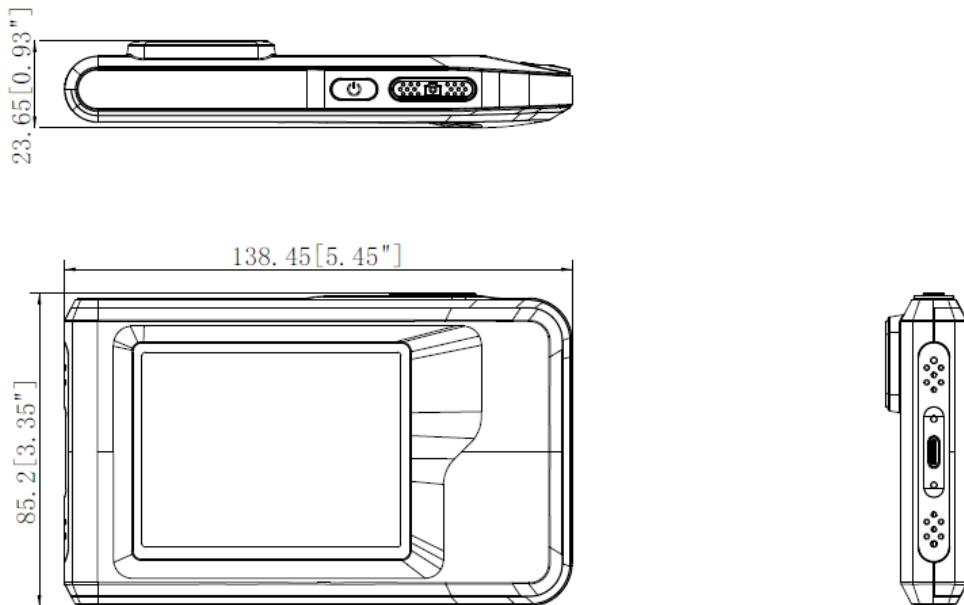
Infrared Image	
IR Resolution	96 × 96 (9,216 pixels)
SuperIR	240 × 240 (57,600 pixels)
Distance to Spot Ratio (D : S)	112 : 1
NETD	< 50 mK (@ 25°C, F# = 1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 μm to 14 μm
Focal Length	1.35 mm
F-number	F1.0
Field of View (FOV)	50° × 50°
Spatial 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. (± 2°C/3.6°F, ± 2%), 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]

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