

E03 Pocket Thermal Camera



HIKMICRO E03 has a high-resolution 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. The Pocket Series is a powerful thermography tool in your pocket, so it is always there whenever you need it.

Key Features

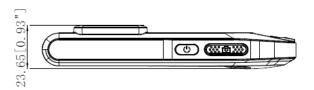
- Thermal resolution: 96 × 96 (9,216 pixels), NETD: < 50 mK (@ 25°C, F# = 1.0)
- SuperIR: 240 x 240 (57,600 pixels)
- Accurately measure temperature from -20°C to 350°C (-4°F to 662°F)
- 112:1 Distance to spot ratio (D:S)
- Accuracy: Max. (± 2°C/3.6°F, ± 2%)
- Thermal, Fusion, Visual
- Manual, automatic,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

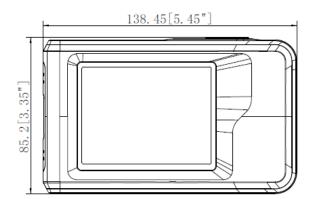
Specification

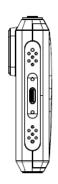
- Specification	
Infrared Image	
IR Resolution	96 × 96 (9, 216 pixels)
SuperIR	240 x 240 (57,600 pixels)
Distance to Spot Ratio (D:S)	112:1
NETD	< 50 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 to 14 μm
Focal Length	1.35 mm
F-number	F1.0
Field of View (FOV)	50° × 50°
Spatial Resolution (IFOV)	8.89 mrad
Focus Mode	Focus Free
Min. Focus Distance	0.1 m (0.33 ft)
Image Display	
Visual Camera	640× 480 (0.3 MP)
Display	320 × 240 Resolution, 3.5" LCD Touch Screen
Screen Brightness	Manual
Digital Zoom	1.0x to 4.0x continuous
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Rain, Blue Red
Image Modes	Thermal/Visual/Fusion
Measurement and Analysis	
Object Temperature Range	-20°C to 350°C (-4°F to 662°F)
Accuracy	Max (±2°C/3.6°F, ±2%) at ambient temperature 25°C (77°F) and object temperature
	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 Communicatio	n n
Storage Media	Built-in 4 GB flash memory
Image Storage Capacity	Approx. 30,000 Images
Annotations	Text note: max. 200 characters
Video Storage Capacity	Approx. 20 hours
Video File Format	MP4 video
General	
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
Working Temperature Range	-10°C to 50°C (14°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)
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Dimension	138.45 × 85.2 × 23.65 mm (5.45 × 3.35 × 0.93 in)
Tripod Mounting	UNC ¼"-20
Drop Test Height	2 m (6.56 ft)

Dimension







Unit: mm[inch]

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