Pocket2
Pocket Thermography Camera



HIKMICRO Pocket Series is equipped with a high-resolution HIKMICRO VOx detector, an 8 MP optical camera, and a 3.5" LCD touch screen. It helps you quickly and efficiently locate the hidden problems and accurately measure abnormal temperature. The wide temperature range of -20°C to 400°C is ideal for building inspection, HVAC, electrical, and mechanical equipment maintenance. The 25 Hz frame rate keeps up with fast inspections, 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.

▪ Features

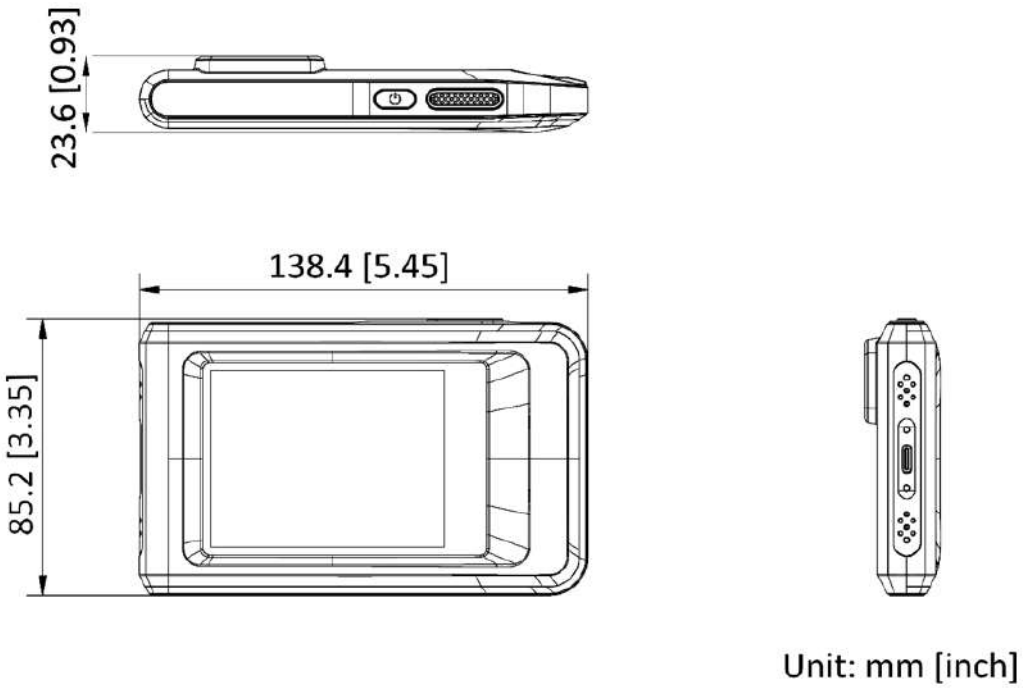
- IR resolution: 256 × 192 (49, 152 pixels), NETD:< 40 mK (@ 25°C, F# = 1.0)
- Support Multiple Scene modes, Some support SuperScene intelligent detection
- Support SuperIR Image enhancement technology on captured images and live-view
- Accurately measure temperature from -20°C to 400°C (-4°F to 752°F)
- Accuracy: Max. (± 2°C/3.6°F, ± 2%)
- 25 Hz image frequency
- Thermal, Fusion, PIP, Visual, and Blending modes
- Manual, automatic, and 1-Tap level and span
- LED work light
- 8MP visual camera

▪ Specification

Infrared Image	
IR Resolution	256 × 192 (49, 152 pixels)
SuperIR	Yes, on captured images and live view
Distance to Spot Ratio (D:S)	45:1
NETD	< 40 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 to 14 μm
Focal Length	3.5 mm
F-number	F1.1
Field of View (FOV)	50° × 37.2°
Spatial Resolution (IFOV)	3.43 mrad
Min. Focus Distance	0.3 m (0.98 ft)
Focus Mode	Focus Free
Image Display	
Display	640 × 480 Resolution, 3.5" LCD Touch Screen with auto-rotation
Image Modes	Thermal/Visual/Fusion/PIP/Blending
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red
Visual Camera	3264 × 2448 (8 MP)
Screen Brightness	Manual
Digital Zoom	1.0x to 4.0x continuous
Measurement and Analysis	
SuperScene Mode	Custom, Water Leak, Insulation, Insulation Pro, Condensation, Floor Heating, Electrical Faults, Macro Mode, Solar Panel
Smart SuperScene Alarm	Water Leak, Insulation, Floor Heating
Alarm	More than, Less than
Alarm Linkage	Flashing Alarm， Audible Warning， Alarm Mode Palettes
Temperature Measurement Mode	Measurements presets (center spot,max spot,min spot,off)
Object Temperature Range	Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 400°C (212°F to 752°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)
Level and Span Mode	Auto/Manual/1-Tap Touch-screen
Data Storage and Communication	
Storage Media	Built-in 64 GB flash memory (user available storage space is less than the nominal capacity)
Image Storage Capacity	Approx. 80,000 Images
Image File Format	Radiometric JPEG
Video Storage Capacity	MP4 Approx. 310h, HRV Approx. 90h
Video File Format	MP4 video (25 Hz) and Radiometric video (5 Hz)
Annotations	Text note: max. 255 characters
Radiometric Infrared-Video Streaming (Compressed)	Over UVC and Wi-Fi

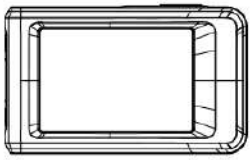
General	
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)
USB Interface	USB Type-C
LED Light	Yes
Battery Type	Rechargeable Li-ion Battery
Battery Operating Time	Approx. 4 hours
Battery Charging Time	Approx. 3 hours fully charged
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Working Temperature Range	-10°C 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	138.5 × 85.2 × 23.6 mm (5.45 × 3.35 × 0.93 in)
Tripod Mounting	UNC ¼"-20
Power Supply	USB-C (5V/2A)

▪ Dimension



Unit: mm [inch]

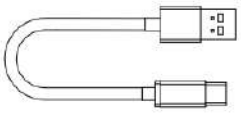
▪ Packaging List



Pocket 2 (X1)



QSG (X1)



USB Cable (X1)



Wrist Strap (X1)



Carrying Pouch (X1)

▪ Accessory

▪ Optional

HM-AHBR02 Pocket/Mini Series Desktop Stand Bracket



HM-P201- MACRO Thermography Camera Macro Lens



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Hikmicro Industrial hikmicro_industrial HIKMICRO Industrial HIKMICRO info@hikmicrotech.com www.hikmicrotech.com

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*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com