PocketE
Thermal Camera

HIKMICRO PocketE 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 Features

• IR resolution: 96 × 96 (9,216 pixels), NETD: < 50 mK (@ 25°C, F# = 1.0)

• Support SuperIR Image enhancement technology on captured image and live view

• 112:1 Distance to spot ratio (D:S)

• Accurately measure temperature from -20°C to 350°C (-4°F to 662°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

• High temperature alarm

• Built-in 4 GB memory

• LED work light

• 1.0x to 4.0x continuous digital zoom

• 0.3MP visual camera

• Up to 4 hours continuous running

⋅ Specification

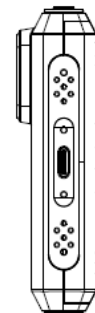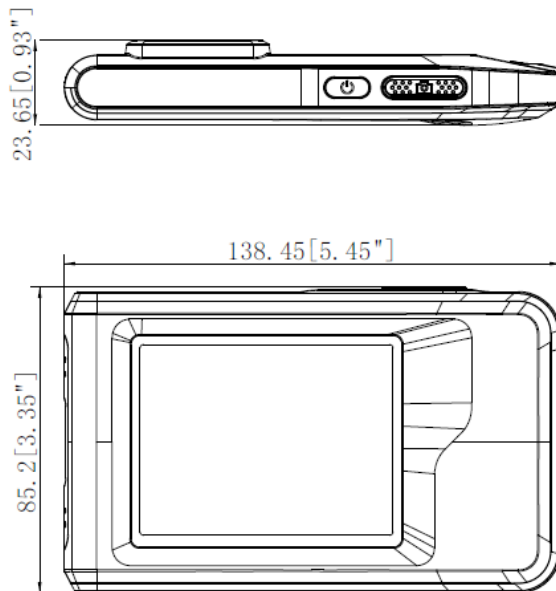| Infrared Image	
IR Resolution	96 × 96 (9, 216 pixels)
SuperIR	Yes, on captured images and live view
Distance to Spot Ratio (D:S)	112:1
NETD	< 50 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 to 14 μm
Focal Length	1.35 mm
Field of View (FOV)	50° × 50°
F-number	F1.0
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, Red Hot, Fusion, Rain, Blue Red
Image Modes	Thermal/Visual/Fusion/PIP/Blending
Measurement and Analysis	
Object Temperature Range	Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 350°C (212°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 Communication	
Storage Media	Built-in 4 GB flash memory (user available storage space is less than the nominal capacity)
Image Storage Capacity	Approx. 30,000 Images
Annotations	Text note: max. 255 characters
Image File Format	Radiometric JPEG
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
Power Supply	USB-C (5V/2A)
Battery Type	Rechargeable Li-ion battery
Power Saving Mode	Auto Power-off and manual sleep
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)
Dimension	138.45 × 85.2 × 23.6 mm (5.45 × 3.35 × 0.93 in)
Tripod Mounting	UNC ¼"-20
Drop Test Height	2 m (6.56 ft)

▪ Available Model

HM-TP40-1AQF/W-PocketE

HM-TP40G-1AQF/W-PocketE

▪ Dimension
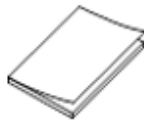

Unit: mm[inch]

▪ Packaging List

Camera [×1] Quick Start Guide [×1] Power Supply [×1] USB Cable [×1]

Carrying Pouch [×1] Wrist Strap [×1]

▪ **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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