

M30

Thermographic Handheld Camera



HIKMICRO M30 handheld camera is specially designed for temperature measurement. It's equipped with a 384 x 288 resolution thermal detector. It helps the staff to quickly find the high-temperature targets in the environment. Meanwhile, it provides assistance with decisions and ensures safety. The device is mainly applied to various industries, such as Building, HVAC, auto industry, etc.

▪ Features

- High sensitivity thermal module with 384 x 288 resolution
- Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR
- Supports multiple palettes
- High quality optical module with 8 MP resolution
- Bi-spectrum image fusion, picture-in-picture preview
- Wide temperature measurement range: -20 - 550° C
- High temperature measurement accuracy: Up to $\pm 2^\circ$ C, $\pm 2\%$
- 640 x 480 resolution 3.5" LCD touch display
- Long-distance laser light supplement for thermography targets
- LED light supplement makes the device a torch in required scenarios
- Supports 1.x to 8.x continuous digital zoom

▪ Specification

Infrared Image

IR Resolution	384 x 288 (110,592 pixels)
SuperIR	Yes, on captured images
NETD	< 35 mK (@ 25 °C, F#=1.0)
Image Frequency	30 Hz
Detector Pitch	17 µm
Spectral Range	7.5 to 14 µm
Focal Length	9.7 mm
F-number	F1.0
Field of View (FOV)	37.5° x 28.5°
Spatial Resolution (IFOV)	1.75 mrad
Min. Focus Distance	0.2 m (0.65 ft)
Focus Mode	Manual Focus

Image Display

Visual Camera	3264 x 2448 (8 MP)
Display	640 x 480 Resolution, 3.5" LCD Touch Screen
Screen Brightness	Manual
Digital Zoom	1.0x to 8.0x continuous
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red
Focus Mode Palette	Above/Below/Interval
Color Alarm	Above/Below/Interval/Insulation
Image Modes	Thermal/Visual/Fusion/PIP/Blending

Measurement and Analysis

Object Temperature Range	-20 °C to 550 °C (-4°F to 1022°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 User-definable: 10 spots, 1 line, 5 rectangles, and 5 circles
Level and Span Mode	Auto/Manual/1-Tap Touch-screen

Data Storage and Communication

Image Storage Capacity	Approx. 100,000 Images
Annotations	Voice note: max. 60 seconds Text note: max. 200 characters
Video Storage Capacity	Approx. 300 hours
Video File Format	MP4 video and radiometric video
Radiometric Infrared-Video Streaming (Compressed)	Over UVC, Wi-Fi
Extendable Memory Card	Extendable 64 GB Micro SD Card

General

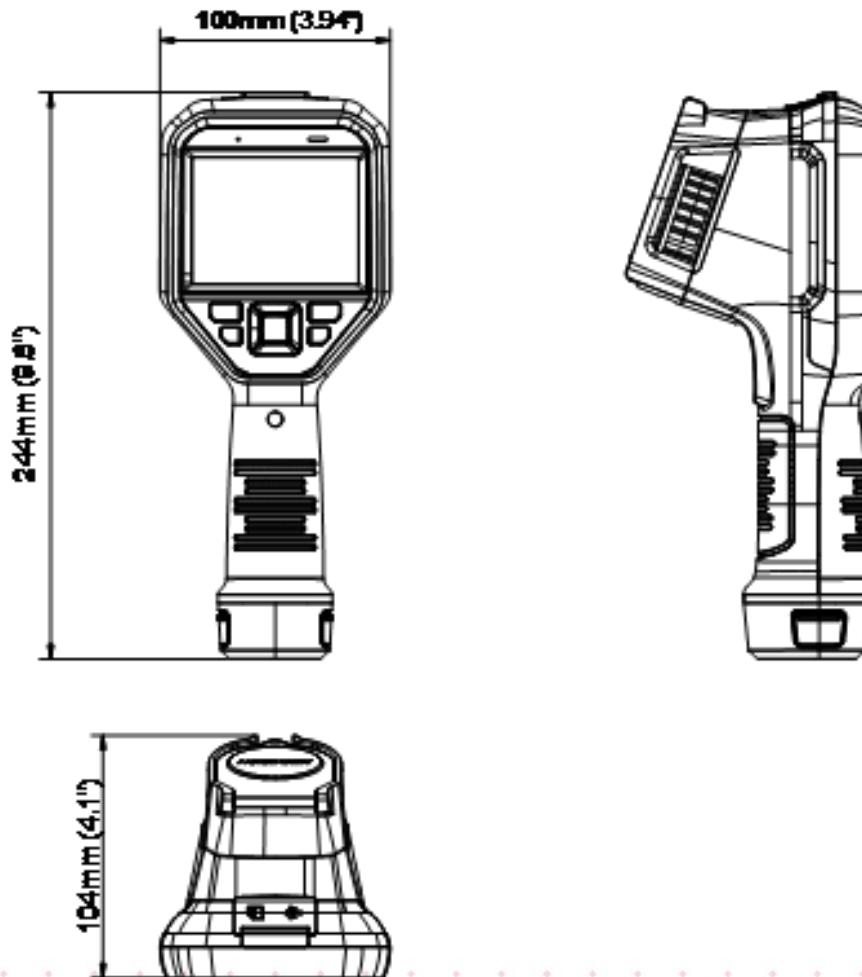
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)
Bluetooth	Bluetooth 4.2
USB Interface	USB Type-C
LED Light	Yes
Laser	Yes, Class II, Wavelength: 635 nm; Power: < 1 mW
Battery Type	Interchangeable and rechargeable Li-ion battery

Battery Operating Time	Approx. 4 hours
Battery Charging Time	Approx. 4 hours fully charged
Power Saving Mode	Yes
Protection Level	IP54
Drop Test Height	2 m (6.56 ft)
Safety	IEC 61010-1
EMC	EN 50130-4, EN 55032, EN IEC 61000-3-2, EN 61000-3-3
Vibration	1 g, IEC 60068-2-6
Shock	15 g, IEC 60068-2-27
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. 660g (1.46 lb)
Dimension	244 × 100 × 104 mm (9.6 × 3.9 × 4.1 in)
Tripod Mounting	UNC 1/4"-20
Warranty	3 years for the full product, 10 years for the detector, and 2 years for the battery.

▪ Available Model

HM-TP23-10VF/W-M30

▪ Dimension



▪ Packaging List



QSG (x 1)



USB 2.0 A to USB Type-C Cable (x 1)



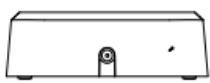
Power Supply for Battery Charger (x 1)



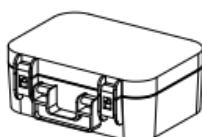
International Use Plugs (US/EU/UK/AU) for Power Supply



Battery (x 2)



Two-bay Battery Charger (x 1)



Hard Carrying Case (x 1)



Wrist Strap (x 1)



Calibration Certificate

▪ Accessory

▪ Optional

**HM-5202ZC
M Series Charging
Base**



**E097-13-1S1P26650
M Series Battery**



**HM-SP01-POUCH
M/G/SP Series Pouch**



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