

## M31 Handheld Thermography Camera



HIKMICRO M31 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℃~650℃
- High temperature measurement accuracy: Up to ±2° C, ±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 1.0x to 8.0x continuous digital zoom

# - Specification

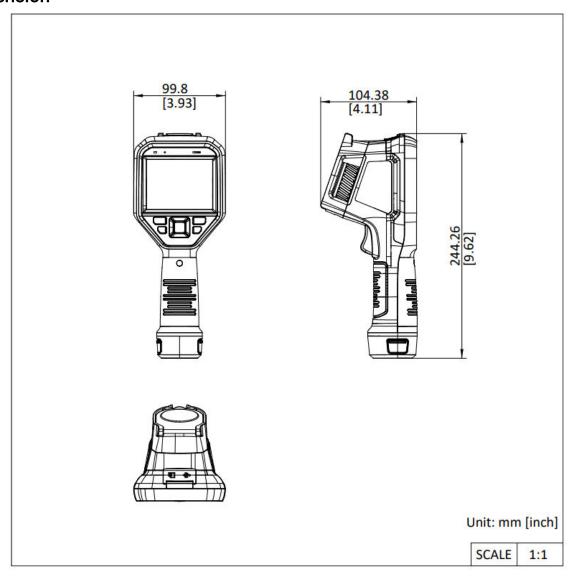
IR Resolution         38 4 × 28 (110,592 pixels)           SuperIR         768 x 576 (442,368 pixels)           NETD         < 30mK (@ 25 °C, F#=1.0)           Image Frequency         50Hz           Detector Pitch         17 μm           Spectral Range         7.5 to 14 μm           Focal Length         6.4mm           Fnumber         F1.0           Field of View (FOV)         41.1° × 30.5°           Spatial Resolution (IFOV)         1.87 mrad           Min. Focus Distance         0.1 m (0.32ft)           Focus Mode         Manual Focus           Image Display         40 × 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/Insulation           Longa Wodes         Thermal/Visual/Fusion/PIP/Blending           Measurement and Analysis         Thermal/Visual/Fusion/PIP/Blending           Object Temperature Range         -20 °C to 650 °C (-4 °F to 1202 °F)           Measurement Tools         Center Spot, Hot Spot, Cold Spot           Level and Span Mode         Auto/Manual/1-Tap Touch-screen	Infrared Image	
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and radiometric video  General		
		and radiometric video
Wi-Fi 802.11 b/g/n (2.4 GHz and 5 GHz)		
	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	2g, IEC 60068-2-6
Shock	25g, IEC 60068-2-27
Working Temperature Range	-20°C to 50°C (-4°F to 122°F)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)
Relative Humidity	< 95% non-condensing
Weight	Approx. 720g (1.59 lb)
Dimension	244 × 100 × 104 mm (9.6 × 3.9 × 4.1 in)
Tripod Mounting	UNC 1/4" -20

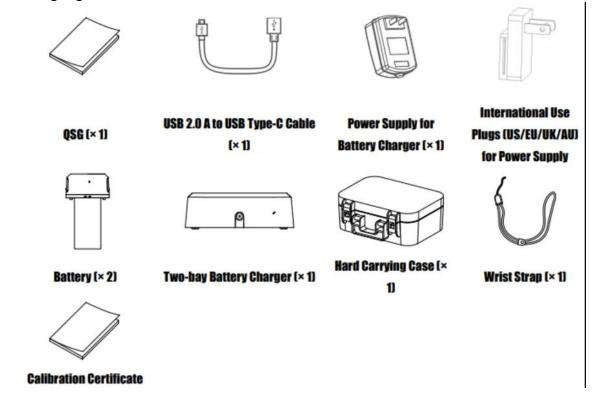
### Available Model

HM-TP23-7QF/W-M31

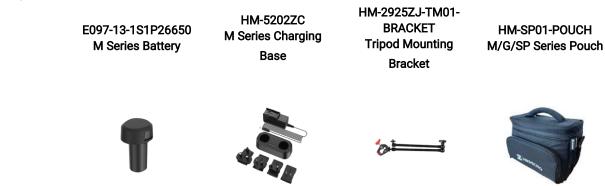
# Dimension



#### Packaging List



- Accessory
- Optional



**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.



Hikmicro Industrial

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