

## M30 Handheld Thermography Camera





HIKMICRO M30 Handheld Thermography Camera is specially designed for temperature measurement. It's equipped with a 384 × 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.

#### **Key Feature**

- High sensitivity thermal module with 384 × 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°C to 550°C
- High temperature measurement accuracy: Up to ± 2°C, ± 2%
- 640 × 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

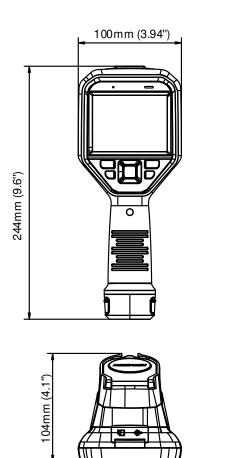
| Infrared Image             |   |
|----------------------------|---|
| IR Resolution              | 384 × 288 (110, 592 pixels)   |
| SuperIR                    | 768 × 576 (442,368 pixels)  |
| NETD                       | < 35 mK (@ 25°C, F# = 1.0)  |
| Image Frequency            | 25 Hz   |
| Detector Pitch             | 17 μm   |
| Spectral Range             | 7.5 μm to 14 μm   |
| Focal Length               | 9.7 mm  |
| F-number                   | F1.0  |
| Field of View (FOV)        | 37.5° (H) × 28.5° (V)   |
| Spatial Resolution (IFOV)  | 1.75 mrad   |
| Min. Focus Distance        | 0.2 m (0.65 ft)   |
| Focus Mode                 | Manual Focus  |
| Image Display              |   |
| Visual Camera              | 3264 × 2448 (8 MP)  |
| Display                    | 640 × 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)   |
|                            | Max. ( $\pm$ 2°C/3.6°F, $\pm$ 2%), for the ambient temp. 15°C to 35°C (59°F to 95°F) and object |
| Accuracy                   | temp. above 0°C (32°F)  |
|                            | Center Spot, Hot Spot, Cold Spot  |
| Measurement Tools          | User-definable: 10 spots, 1 line, 5 rectangles, and 5 circles                                   |
| Level and Span Mode        | Auto/Manual/1-Tap Touch-screen  |
| Data Storage and Communica | tion  |
| Storage Media              | Removable 64 GB Micro SD Card   |
| Image Storage Capacity     | Approx. 100,000 Images  |
| Annotations                | Voice note: max. 60 seconds;  |
|                            | Text note: max. 200 characters  |
| Video Storage Capacity     | Approx. 54 hours  |
| Video File Format          | MP4 video   |
|                            | and radiometric video   |
| 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   |
|                            |   |

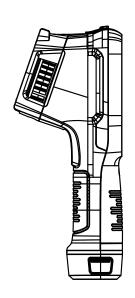
| Battery Operating Time    | Approx. 4 hours                                      |
|---------------------------|--|
| Battery Charging Time     | Approx. 4 hours fully charged                        |
| Protection Level          | IP54   |
| Drop Test Height          | 2 m (6.56 ft)  |
| Safety                    | 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. 660 g (1.46 lb)                              |
| Dimension                 | 244 mm × 100 mm × 104 mm (9.6" × 3.9" × 4.1")        |
| Tripod Mounting           | UNC ¼"-20  |

## Available Model

M30

### Dimension





Unit: mm [inch]

#### Accessory

#### Optional









E097-13-1S1P26650

HM-5202ZC

HM-SP01-POUCH

HM-2925ZJ-TM01-BRACKET

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