

## D01 Handheld Thermal Camera



The handheld thermal camera is based on the thermal technology, specially designed for the needs of temperature measuring applications. People can quickly troubleshoot faults on-site.

### ▪ Features

- Thermal resolution: 96 x 96 (9,216 pixels)
- SuperIR: 240 x 240 (57,600 pixels)
- SuperScene Smart Scene Recognition: Water leak and Insulation
- Built-in 4 GB flash memory: 30,000 pictures and 14 hours video recordings
- Up to 11 hours continuous running
- Measurement presets: center spot, hot spot, cold spot, off
- NETD : < 50mK (@ 25 °C,F#=1.0)
- 20 Hz image frequency

## ▪ Specification

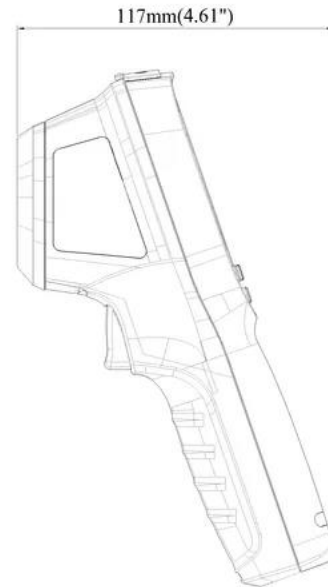
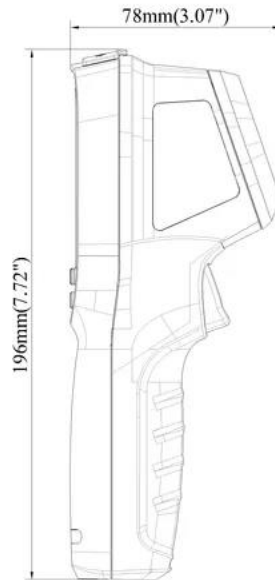
| Infrared Image                 |  |
|--------------------------------|--|
| IR Resolution                  | 96 × 96 (9,216 pixels)   |
| SuperIR                        | 240 × 240 (57,600 pixels)  |
| Distance to Spot Ratio (D:S)   | 112:1  |
| NETD                           | < 50 mK (@ 25 °C, F#=1.0)  |
| Image Frequency                | 20 Hz  |
| Detector Pitch                 | 12 μm  |
| Spectral Range                 | 7.5 to 14 μm   |
| Focal Length                   | 1.35 mm  |
| F-number                       | F1.0   |
| Field of View (FOV)            | 50° × 50°  |
| Spatial Resolution (IFOV)      | 8.89 mrad  |
| Min. Focus Distance            | 0.1m (0.33 ft)   |
| Focus Mode                     | Focus Free   |
| Image Display                  |  |
| Display                        | 240 × 320 Resolution, 2.4"LCD Screen   |
| Image Modes                    | Thermal  |
| Color Palettes                 | White Hot, Black Hot, Rainbow, Ironbow,Blue Yellow   |
| Color Alarm                    | Above alarm, Below Alarm   |
| Measurement and Analysis       |  |
| SuperScene                     | Water Leak, Insulation   |
| Object Temperature Range       | -20°C to 400°C (-4 °F to 752 °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  |
| Data Storage and Communication |  |
| Storage Media                  | Built-in 4G eMMC (user available storage space is less than the nominal capacity)                |
| Image Storage Capacity         | Approx. 30,000 Images  |
| Video Storage Capacity         | Approx. 14 hours   |
| General                        |  |
| USB Interface                  | USB Type-C   |
| Battery Type                   | Rechargeable Li-ion battery  |
| Battery Operating Time         | Approx. 11 hours   |
| Battery Charging Time          | Approx. 3 hours fully charged(Adapter Output: 5 V 2 A)   |
| Protection Level               | IP54   |
| Drop Test Height               | 1 m (3.28 ft)  |
| Working Temperature Range      | -10 °C to 50 °C (14 °F to 122 °F)  |
| Storage Temperature Range      | -40 °C to 70 °C (-40 °F to 158 °F)   |
| Relative Humidity              | < 95% non-condensing   |
| Weight                         | Approx. 240 g (0.529 lb)   |
| Dimension                      | 196 × 117 × 59 mm (7.7 × 4.6 × 2.3 in)   |
| Tripod Mounting                | UNC ¼"-20  |

## ▪ Available Model

D01 (Amazon)

## ▪ Dimension

### Dimensions



## ▪ Packaging List



**Camera (× 1)**



**USB 2.0 A to USB Type-C Cable  
(× 1)**



**Wrist Strap (× 1)**



**HIKMICRO Card (× 1)**

- **Accessory**
- **Optional**

HM-B01-POUCH  
POUCH



▪ **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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\*Note: Specifications are subject to change without notice. For the current specs,  
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