

## E01 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.

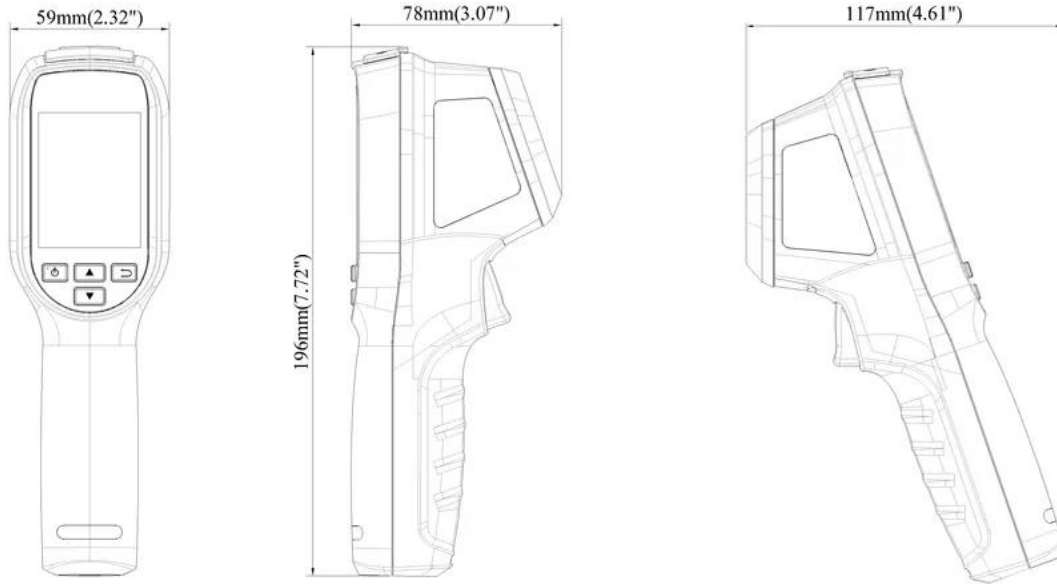
- Thermal resolution: 96 x 96 (9,216 pixels)
- 112:1 Distance to spot ratio (D:S)
- SuperIR: 240 x 240 (57,600 pixels)
- NETD : < 50mK (@ 25 °C, F#=1.0)
- Measurement presets: center spot, hot spot, cold spot, off
- 20 Hz image frequency
- Laser pointer
- Built-in 4 GB flash memory: 30,000 pictures
- Up to 8 hours continuous running

## ▪ 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   |
| Color Alarm                    | Above alarm  |
| Measurement and Analysis       |  |
| 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 4 GB flash memory   |
| Image Storage Capacity         | Approx. 30,000 Images  |
| General                        |  |
| USB Interface                  | USB Type-C   |
| Laser                          | Yes, Class II  |
| Battery Type                   | Rechargeable Li-ion battery  |
| Battery Charging Time          | Approx. 3 hours fully charged (Adapter Output: 5 V 2 A)  |
| Battery Operating Time         | Approx. 8 hours  |
| Protection Level               | IP54   |
| Drop Test Height               | 2 m (6.56 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. 290 g (0.64 lb)  |
| Dimension                      | 196 × 117 × 59 mm (7.7 × 4.6 × 2.3 in)   |
| Tripod Mounting                | UNC ¼"-20  |

## ▪ Dimension

### Dimensions



Unit: mm (inch)




## ▪ Optional Accessories



**HM-B01-POUCH**

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