

Eco-V 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.

Key Feature

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

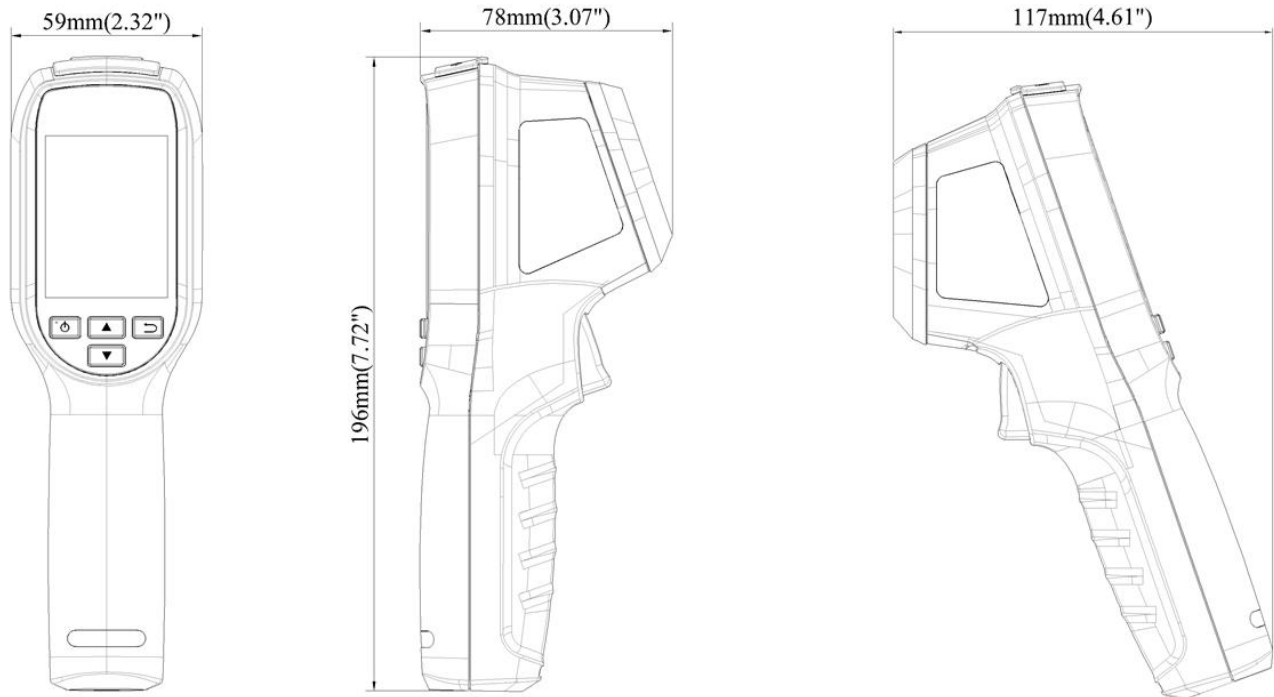
▪ Specification

| Infrared Image | |
|---------------------------------------|--|
| IR Resolution | 96 × 96 (9,216 pixels) |
| SuperIR | 240 × 240 (57,600 pixels) |
| Distance to Spot Ratio (D:S) | 112:1 |
| Image Frequency | 25 Hz |
| NETD | < 50 mK (@ 25°C, F# = 1.0) |
| Detector Pitch | 12 μm |
| Focal Length | 1.35 mm |
| Spectral Range | 7.5 to 14 μm |
| F-number | F1.0 |
| Field of View (FOV) | 50° × 50° |
| Spatial Resolution (IFOV) | 8.89 mrad |
| Min. Focus Distance | 0.1 m (0.33 ft) |
| Focus Mode | Focus Free |
| Image Display | |
| Display | 240 × 320 Resolution, 2.4" LCD Screen |
| Image Modes | Thermal/Visual/Fusion |
| Color Palettes | White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion |
| Color Alarm | Above alarm |
| Visual Camera | 640 × 480 |
| Measurement and Analysis | |
| Object Temperature Range | -20°C to 550°C (-4°F to 1022°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") |
| Tripod Mounting | UNC ¼"-20 |

▪ Available Model

Eco-V

▪ Dimension



Unit: mm (inch)

▪ Accessory







▪ Optional



HM-B01-POUCH

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