

## E1L Handheld Thermography Camera



The handheld thermography 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:  $160 \times 120$  (19,200 pixels)
- NETD :  $< 40 \text{ mK}$  (@  $25^{\circ}\text{C}$ ,  $F\#=1.0$ )
- Measurement presets: center spot, hot spot, cold spot, off
- 8 GB SD card: 120,000 pictures
- Weight: 350 g (0.77 lb)

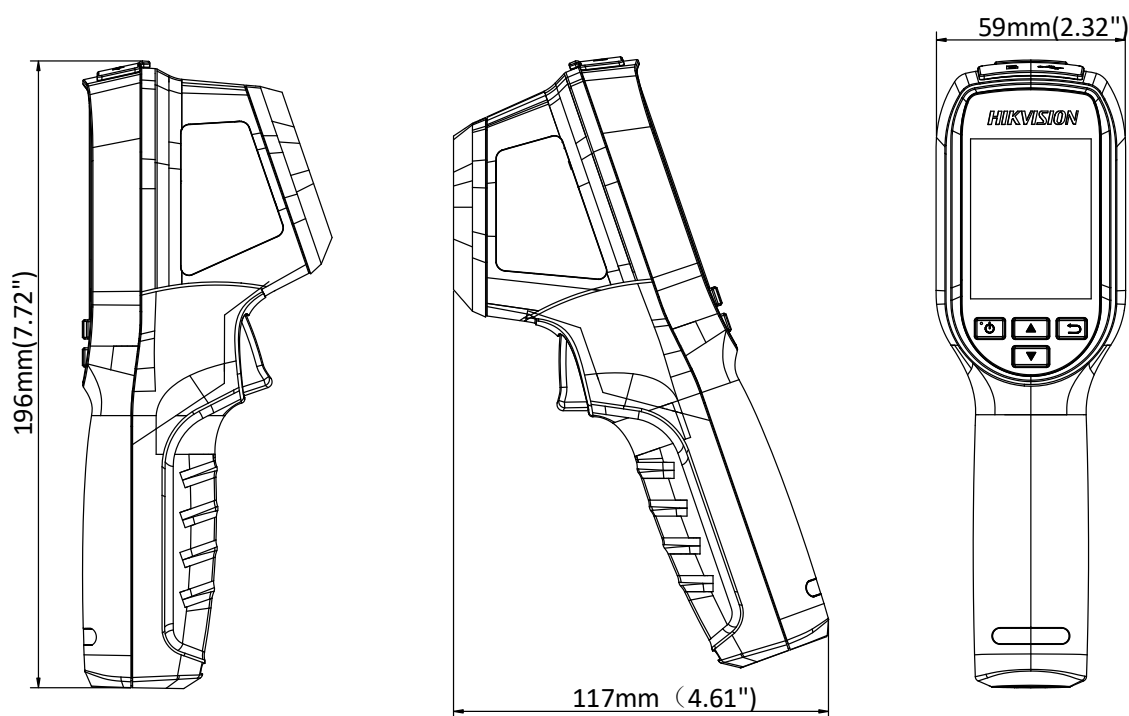
## ▪ Specification

| Infrared Image                 |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| IR Resolution                  | 160 × 120 (19,200 pixels)                                                                                          |
| NETD                           | < 40 mK (@ 25°C, F#=1.0)                                                                                           |
| Image Frequency                | 25 Hz                                                                                                              |
| Detector Pitch                 | 17 μm                                                                                                              |
| Spectral Range                 | 7.5 to 14 μm                                                                                                       |
| Focal Length                   | 3.1 mm                                                                                                             |
| F-number                       | F1.1                                                                                                               |
| Field of View (FOV)            | 37.2° × 50.0°                                                                                                      |
| Spatial Resolution (IFOV)      | 5.48 mrad                                                                                                          |
| Min. Focus Distance            | 0.15 m (0.49 ft)                                                                                                   |
| Focus Mode                     | Focus Free                                                                                                         |
| Image Display                  |                                                                                                                    |
| Display                        | 240 × 320 Resolution, 2.4" LCD Screen                                                                              |
| Color Palettes                 | White Hot, Black Hot, Rainbow, Ironbow                                                                             |
| Measurement and Analysis       |                                                                                                                    |
| Object Temperature Range       | -20°C to 550°C (-4°F to 1022°F)                                                                                    |
| Accuracy                       | Max (±2°C/3.6°F, ±2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F) |
| Measurement Tools              | Center Spot, Hot Spot, Cold Spot                                                                                   |
| Level and Span Mode            | Auto                                                                                                               |
| Data Storage and Communication |                                                                                                                    |
| Storage Media                  | Removable 8 GB Micro SD Card                                                                                       |
| Image Storage Capacity         | Approx. 120,000 Images                                                                                             |
| General                        |                                                                                                                    |
| USB Interface                  | Micro USB                                                                                                          |
| Laser                          | Yes, Class II                                                                                                      |
| Battery Type                   | Rechargeable Li-ion battery                                                                                        |
| Battery Charging Time          | Approx. 4 hours fully charged                                                                                      |
| Battery Operating Time         | Approx. 8 hours                                                                                                    |
| Protection Level               | IP54                                                                                                               |
| Drop Test Height               | 2 m (6.56 ft)                                                                                                      |
| Working Temperature Range      | -20°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. 350 g (0.77 lb)                                                                                            |
| Dimension                      | 196 × 117 × 59 mm (7.7 × 4.6 × 2.3 in)                                                                             |
| Tripod Mounting                | UNC ¼"-20                                                                                                          |

## ▪ Available Model

E1L

## ▪ Dimension



Unit: mm (inch)

## ▪ Optional Accessories



**Tripod Mounting Bracket**

HM-2925ZJ-TM01-BRACKET



**POUCH**

HM-B01-POUCH

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