

# HIKMICRO E1L Series

The E1L Thermographic Handheld Camera is a camera with thermal imaging capabilities.



## High Image Quality

A highly sensitive HIKMICRO VOx detector (NETD < 40 mK) provides a distinct thermal vision of the target

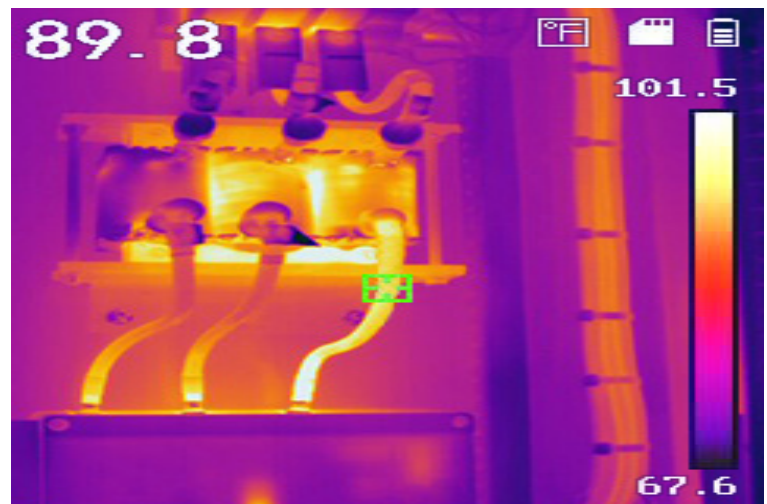
## Fast Image Frequency

25 Hz delivers smooth video and measurements while panning across scenes or viewing moving targets

## Compact Design

Unique ergonomic design offers user the best of comfort with its weight less than 350 g (0.77 lb). Compact design fits the toolbox easily

The E1L Thermographic Handheld Camera is a camera with thermal imaging capabilities. It can do thermography and snapshot capturing. The built-in high-sensitivity IR detector and high-performance sensor detects the temperature change and measure the real-time temperature. The temperature measurement range is -20°C to 550 °C (-4 °F to 1022 °F) with thermometry accuracy  $\pm 2$  °C. It helps the users to find the risky part and lower their property loss. The device supports live viewing, and capturing, etc. The handheld Thermography camera, adopting ergonomic design, is easy to use.



# Specifications

| Model                    | E1L  |
|--------------------------|--|
| Thermal Module           |  |
| Image Sensor             | Vanadium Oxide Uncooled Focal Plane Arrays   |
| IR Resolution            | 160 × 120 (19 200 pixels)  |
| Pixel Pitch              | 17 μm  |
| Spectral Range           | 8 - 14 μm  |
| NETD                     | < 40mK (@ 25 °C,F#=1.0)  |
| Focal Length             | 3.1 mm   |
| FOV (Field of View)      | 37.2° × 50 °   |
| Image Frequency          | 25 Hz  |
| Focus                    | Manual   |
| Aperture                 | F1.1   |
| Minimum Focus Distance   | 0.15 m (0.49 ft)   |
| Image Display            |  |
| Display                  | 0.15 m (0.49 ft)   |
| 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 Presets      | Center Spot, Hot Spot, Cold Spot, Off  |
| Storage                  |  |
| Storage Media            | Removable Micro SD Card (8 GB)   |
| Image Storage Capacity   | 150 000 Images   |
| Image File Format        | JPEG with Measurement Data Included  |
| Functions                |  |
| Laser Pointer            | Yes  |
| Laser Type               | Class II   |
| Level/Span               | Auto   |
| Power System             |  |
| Power Supply             | 3.7 V DC/0.4 A   |
| Power Consumption        | 1.2 W  |
| Battery Type             | Rechargeable Li-ion Battery  |
| Battery Operating Time   | 8 Hours Continuous Running   |

| General                   |  |
|---------------------------|--|
| Menu Language             | 17 Languages<br>English/German/French/Russian/<br>Korean/Spanish/Portuguese/Italian/<br>Japanese/Hungarian/Czech/Slovak/<br>Polish/Romanian/Danish/Turkish/<br>Traditional_Chinese |
| 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)  |
| Protection Level          | IP54   |
| Drop Test Height          | 2 m (6.56 ft)  |
| Interface                 | Micro USB  |
| Weight                    | Approx. 350 g (0.77 lb)  |
| Dimension                 | 196 mm × 117 mm × 59 mm (7.7 " × 4.6 " × 2.3 ")  |
| Tripod Mounting           | UNC ¼"-20  |

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