

E1L Thermographic Handheld Camera



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

Key Features

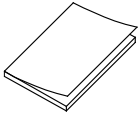
- Thermal resolution: 160 x 120 (19 200 pixels)
- NETD : < 40mK (@ 25 °C,F#=1.0)
- Temperature measurement range : -20 °C ~550 °C (-4°F~1022°F)
- Accuracy: Max (±2 °C or ±2%)
- Measurement Presets: Center spot, Hot spot, Cold spot, Off
- 25 Hz image frequency
- 2.4" LCD display
- Laser pointer
- 8 GB SD card: 150,000 pictures
- Up to 8 hours continuous running
- Weight: 350g (0.77 lb)

Specification

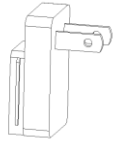
| Thermal Module | |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor | Vanadium Oxide Uncooled Focal Plane Arrays |
| IR Resolution | 160 x 120 (19 200 pixels) |
| Pixel Pitch | 17 μ m |
| Spectral Range | 8 -14 μ m |
| NETD | < 40 mK (@25°C), F#=1.0 |
| Focal Length | 3.1 mm |
| FOV (Field of View) | 37.2° × 50 ° |
| Image Frequency | 25 Hz |
| Focus | Fixed |
| IFOV (Spatial Resolution) | 5.48 mrad |
| Aperture | F1.1 |
| Minimum Focus Distance | 0.15 m (0.49 ft) |
| Image Display | |
| Display | 320 × 240 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, $\pm 2\%$) |
| Measurement Presets | Center Spot, Hot Spot, Cold Spot, Off |
| Storage | |
| Storage Media | Removable 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 |
| Menu Language | 17 Languages English/German/French/Russian/Korean/Spanish/Portuguese/Italian/Japanese/Hungarian/Czech/Slovak/Polish/Romanian/Danish/Turkish/Traditional_Chinese |
| 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 | |
| Working Temperature | -10 °C to 50 °C (14 °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 |

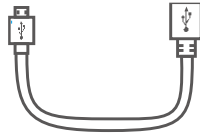
Package Contents



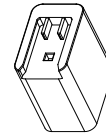
Quick Start Guide
(x1)



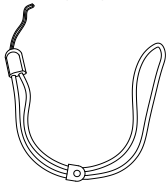
Adapters (x5)



USB Cable (x1)



Power Adapter (x1)



Wrist Strap (x1)

Order Model

HM-TP31-3AUF-E1L

Dimension

