

## E1L Handheld Thermography 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 × 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
- Weight: 350g (0.77 lb)
- Up to 8 hours continuous running

## Specification

<b>Thermal Module</b>	
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	Fixed
Aperture	F1.1
Minimum Focus Distance	0.15 m (0.49 ft)
<b>Image Display</b>	
Display	320 × 240 Resolution, 2.4" LCD Screen
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow
<b>Measurement and Analysis</b>	
Object Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
Accuracy	Max (±2 °C, ±2%)
Measurement Presets	Center Spot, Hot Spot, Cold Spot, Off
<b>Storage</b>	
Storage Media	Removable Micro SD Card (8 GB)
Image Storage Capacity	150 000 Images
Image File Format	JPEG with Measurement Data Included
<b>Functions</b>	
Laser Pointer	Yes
Laser Type	Class II
Level/ Span	Auto
<b>Power System</b>	
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
<b>General</b>	
Menu Language	17 Languages English/German/French/Russian/Korean/Spanish/Portuguese/Italian/Japanese/Hungarian/Czech/Slovak/Polish/Romanian/Danish/Turkish/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

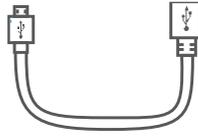
## Packing List



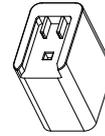
Quick Start Guide  
(x1)



Adapters (x5)



USB Cable (x1)



Power Adapter (x1)



Wrist Strap (x1)

## Available model

HM-TP31-3AUF-E1L

## Dimension

