Eco Lite
Handheld Thermal Imager



This handheld thermal imager utilizes thermal imaging technology and is specifically designed for home temperature measurement applications. It offers comprehensive functionality while remaining extremely user-friendly, featuring a spot-temperature measurement mode, making it an excellent choice for those new to thermal imaging.

▪ Features

- Thermal resolution: 96 x 96 (9,216 pixels)
- Two temperature measurement methods: Thermometer Mode and Multiple Measurement Tools (Center Spot, Max Spot, Min Spot)
- Built-in 80M (user available storage space is less than the nominal capacity)
- Up to 14 hours continuous running
- NETD : < 50mK (@ 25 °C,F#=1.0)
- 25 Hz image frequency
- Field of View (FOV): 50° × 50°
- Protection Level: IP54

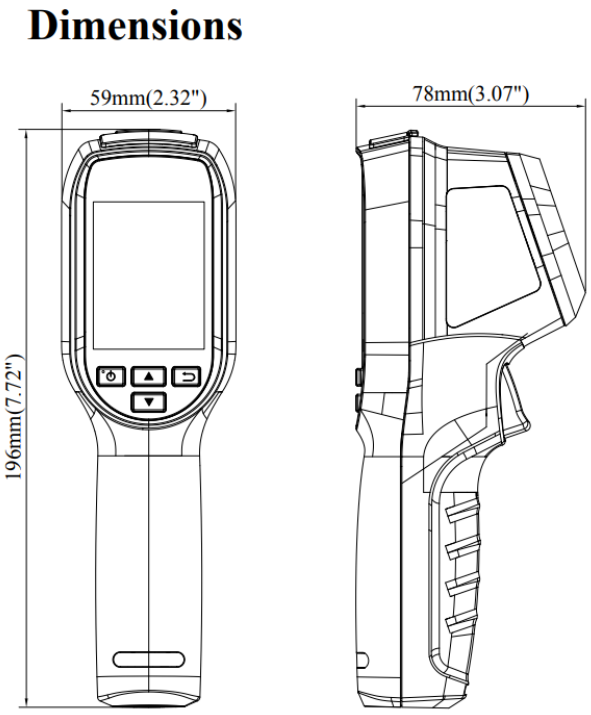
▪ Specification

Infrared Image	
IR Resolution	96 × 96 (9,216 pixels)
ODE	Yes
Distance to Spot Ratio (D:S)	15:1
NETD	< 50 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 μm
Spectral Range	7.5 to 14 μm
Focal Length	1.35 mm
F-number	F1.0
Field of View (FOV)	50° × 50°
Spatial Resolution (IFOV)	8.89 mrad
Min. Focus Distance	0.1m (0.33 ft)
Focus Mode	Focus Free
Image Display	
Display	240 × 320 Resolution, 2.4"LCD Screen
Image Modes	Thermal
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Blue Yellow
Color Alarm	Above alarm, Below Alarm
Measurement and Analysis	
Object Temperature Range	Range 1: -20°C to 150°C (-4°F to 302°F) Range 2: 100°C to 550°C (212°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)
Thermometer Mode	Yes
Measurement Tools	Center Spot, Max Spot, Min Spot
Level and Span Mode	Auto
Data Storage and Communication	
Storage Media	Built-in 80M
Image Storage Capacity	Approx. 500-1,000 Images (Actual storage consumption may vary based on scene complexity)
General	
USB Interface	USB Type-C
Battery Type	Rechargeable Li-ion battery
Battery Charging Time	Approx. 3 hours fully charged(Adapter Output： 5 V 2 A)
Battery Operating Time	Approx. 14 hours
Protection Level	IP54
Drop Test Height	1 m (3.28 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. 228 g (0.529 lb)
Dimension	196 × 59× 78 mm
Tripod Mounting	UNC ¼"-20

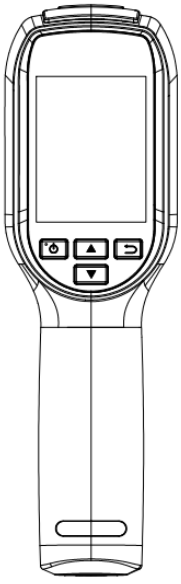
▪ Available Model

HM-TP30E-1AXF-Eco Lite

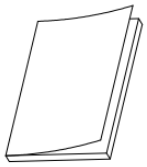
▪ Dimension



▪ Packaging List



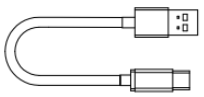
Camera (X1)



QSG (X1)



Wrist Strap (X1)



USB 2.0 A to USB Type-C Cable (X1)

HIKMICRO

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*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com