HIKMICRO

Eco
Eco Series Handheld Thermal Camera



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

▪ Features

- Thermal resolution: 96 x 96 (9,216 pixels)
- 112:1 Distance to spot ratio (D:S)
- SuperIR: 240 x 240 (57,600 pixels)
- NETD : < 50mK (@ 25 °C,F#=1.0)
- Measurement presets: center spot, hot spot, cold spot, off
- 25 Hz image frequency
- Laser pointer
- Built-in 4 GB flash memory: 30,000 pictures
- Up to 11 hours continuous running

INSUMIND PERÚ
INSUMOS MINEROS INDUSTRIALES

▪ Specification

Infrared Image	
IR Resolution	96 × 96 (9,216 pixels)
SuperIR	240 x 240 (57,600 pixels)
Distance to Spot Ratio (D:S)	112:1
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, Red Hot,Fusion
Color Alarm	Above alarm, Below Alarm
Measurement and Analysis	
Object Temperature Range	Range -20°C to 150°C (-4°F to 302°F) Range 100℃ to 550℃ (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)
Measurement Tools	Center Spot, Hot Spot, Cold Spot
Level and Span Mode	Auto/Manual
SuperScene	Water Leak, Insulation
Data Storage and Communication	
Storage Media	Built-in 4 GB flash memory
Image Storage Capacity	Approx. 30,000 Images
Video Storage Capacity	Approx. 14 hours
General	
USB Interface	USB Type-C
Laser	Yes, Class II
Battery Type	Rechargeable Li-ion battery
Battery Charging Time	Approx. 3 hours fully charged(Adapter Output：5 V 2 A)
Battery Operating Time	Approx. 11 hours
Protection Level	IP54
Drop Test Height	2 m (6.56 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. 290 g (0.64 lb)
Dimension	196 × 117 × 59 mm (7.7 × 4.6 × 2.3 in)

INSUMIND PERÚ
INSUMOS MINEROS INDUSTRIALES

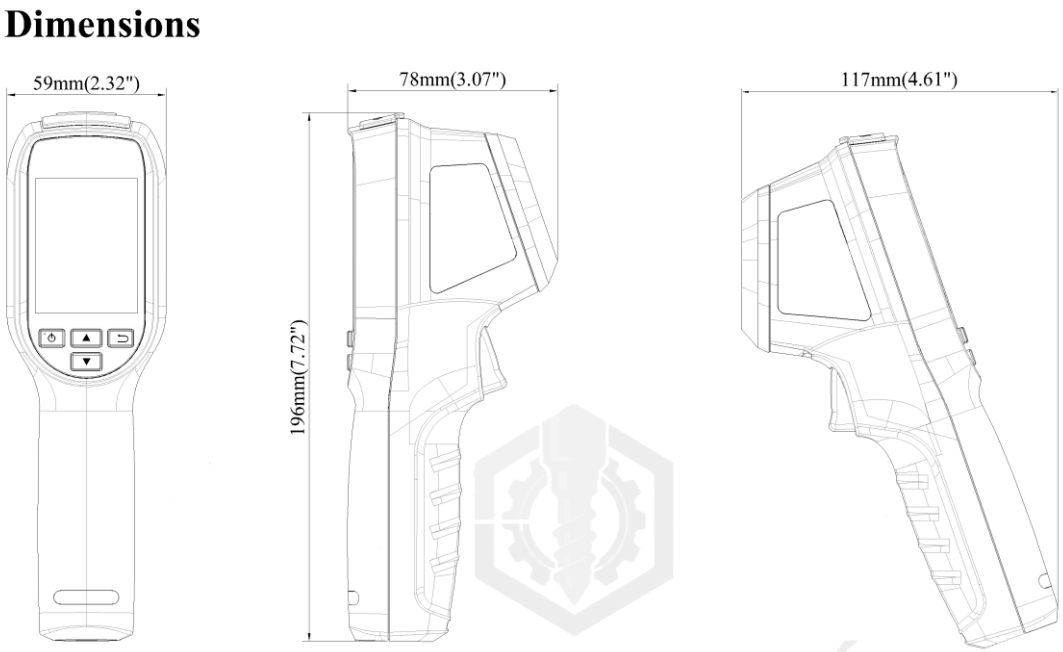
Tripod Mounting	UNC ¼"-20

▪ Available Model

HM-TP30-1AQF-Eco

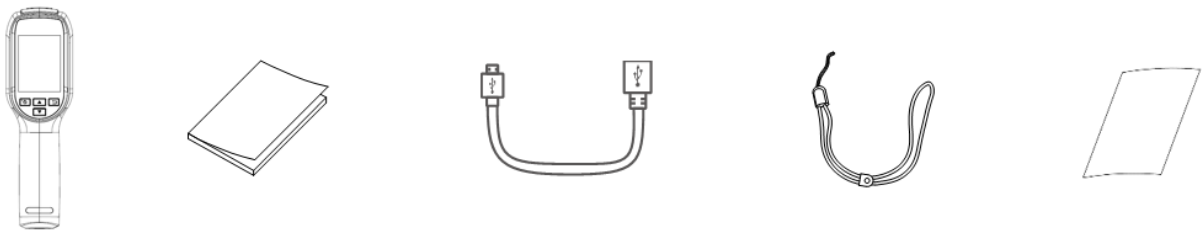
HM-TP30G-1AQF-Eco

▪ Dimension



INSUMIND PERÚ
INSUMOS MINEROS INDUSTRIALES

▪ Packaging List



Camera (× 1)

QSG (× 1)

USB 2.0 A to USB Type-C Cable (× 1)

Wrist Strap (× 1)

Calibration Certificate (× 1)

- Accessory
- Optional

HM-B01-POUCH
POUCH



COMPLIANCE NOTICE:

The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.

INSUMIND PERÚ
INSUMOS MINEROS INDUSTRIALES

HIKMICRO

INSUMIND PERÚ
INSUMOS MINEROS INDUSTRIALES

Hikmicro Industrial | hikmicro_industrial | HIKMICRO Industrial | HIKMICRO | info@hikmicrotech.com | www.hikmicrotech.com

© Hangzhou Microimage Software Co., Ltd. All Rights Reserved.

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