Mini3
Smartphone Module

The Smartphone Module is designed to inspect electrical equipment, troubleshooting HVAC problems. Equipped with functional thermal App for smartphone, the Smartphone Module enables you to get the thermal imaging on your phone.

Key Features

- Thermal resolution: 384× 288 (110,592 pixels)
- NETD: ≤ 35 mK (@ 25 °C, F#=1.0)
- Accuracy: Max (±2°C/3.6°F, ±2%)
- USB Type-C Interface (Android)
- 45 g Weight

Specification

Infrared Image	
IR Resolution	384× 288 (110,592 pixels)
NETD	≤35 mK (@ 25 °C, F#=1.0)
Image Frequency	25Hz/50Hz (Need 8 GB RAM on the mobile devices or more if you want to enable 50Hz)
Detector Pitch	12µm
Spectral Range	7.5 to 14 µm
Focal Length	10mm
F-number	F1.0
Field of View (FOV)	26° × 19°
Min. Focus Distance	0.3 m (0.98 ft)
Focus Mode	Manual Focus
Image Display	
Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Sepia, Color, Ice Fire, Rain, Red Hot, Green Hot, Dark Blue, Combined
Image Modes	Thermal
Measurement and Analysis	
Object Temperature Range	-20°C to 650°C(-4°F to 1202°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 Tools	Center Spot, Hot Spot, Cold Spot User-definable: 3 spots, and 3 rectangles.
Level and Span Mode	Auto/Manual
General	
Power Consumption	550 mW
Interface	USB-C
Protection Level	IP40
Drop Test Height	1 m (3.28 ft)
Working Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Weight	Approx. 45 g (0.099 lb)
Dimension	47.6 × 26 × 26.59 mm (1.87 × 1.02 × 1.05 in)

ᐧ Available Model

HM-TJ33-10RF-Mini3

▪Dimension

26.59 [1.05]

47.6 [1.87]

26.59 [1.05]

12.94 [0.51]

34.75 [1.37]

26 [1.02]
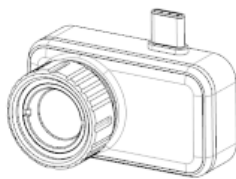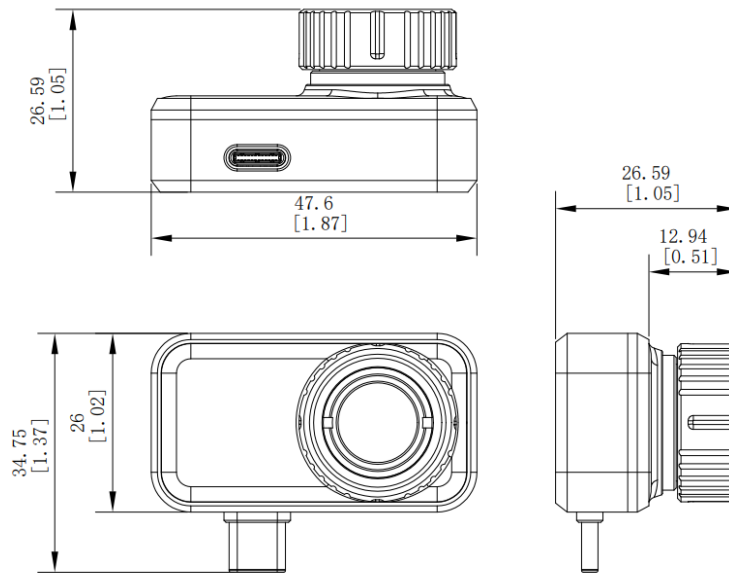
Thermal Imager (×1)

Extension Cord (x 1)

USB Adaptor (x 1)

Protective Case (x 1)

Quick Start Guide (x 1)

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HIKMICRO

FULL PRODUCT 3 YEARS **DETECTOR 10 YEARS**