



HM-TJ11-3AMF-Mini1 Mini1 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 Feature

- Thermal resolution: 160×120 (19 200 pixels)
- NETD: $< 40 \text{ mK}$ (@ 25°C , $F\# = 1.0$)
- Accuracy: $\pm 2^\circ\text{C}$ (-20°C to 100°C) ; $\pm 2\%$ (100°C to 350°C)
- USB Type-C Interface (Android)
- 26 g Weight

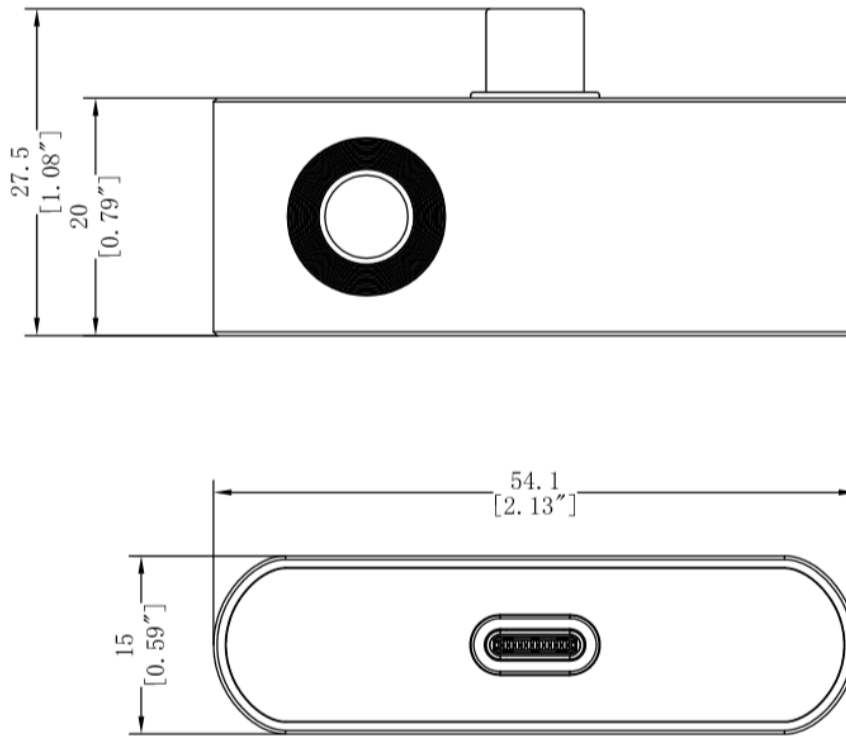
▪ Specification

Thermal Module	
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	< 40 mK (@ 25 °C, F# = 1.0)
Focal Length	3.2 mm
FOV (Field of View)	50° × 38° (H × V)
Min. Focusing Distance	20 cm
Image Frequency	25 Hz
Aperture	F1.1
Focus	Fixed
Image Display	
Color Palettes	Black hot, White hot, Red hot, Rainbow, Ironbow, Fusion, Rain
Measurement and Analysis	
Accuracy	± 2 °C (- 20 °C to 100 °C) ; ± 2 % (100 °C to 350 °C)
Object Temperature Range	- 20 °C to 350 °C
Measurement Presets	Hot Spot, Cold Spot, Center Spot, 1 User Preset Point, 1 User Preset Box, Off
Storage	
Video File Format	MP4
Image File Format	JPEG
General	
Power Supply	Powered by Smartphone
Storage Temperature Range	- 20 °C to 60 °C
Power Consumption	300mW
Phone	Android (USB Type-C Interface)
Drop Test Height	Drop from 1 m
Weight	26 g
Dimension	54.1 mm × 15 mm × 27.5 mm
Working Temperature Range	15 °C to 35 °C
Protection level	IP40

▪ Available Model

HM-TJ11-3AMF-Mini1

▪ Dimension



Unit:mm[Inch]

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