

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

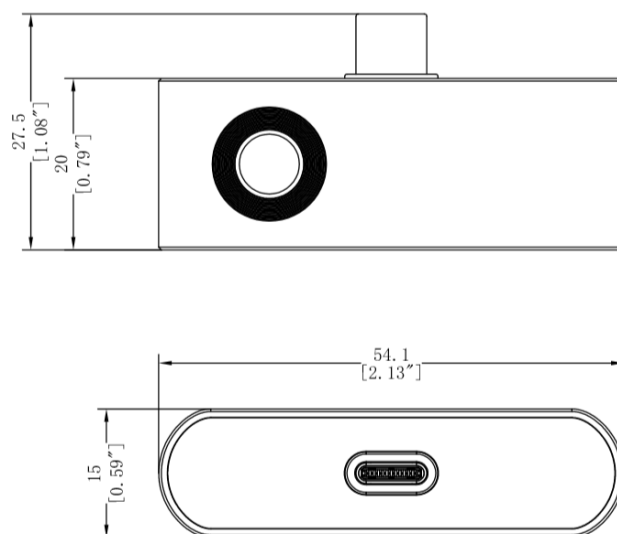
▪ Specification

Infrared Image	
IR Resolution	160 × 120 (19,200 pixels)
NETD	< 40 mK (@ 25°C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	17 μm
Spectral Range	7.5 to 14 μm
Focal Length	3.2 mm
F-number	F1.1
Field of View (FOV)	50° × 38°
Min. Focus Distance	0.2 m (0.65 ft)
Focus Mode	Focus Free
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/Fusion
Measurement and Analysis	
Object Temperature Range	-20°C to 350°C (-4°F to 662°F)
Accuracy	Max (±2°C/3.6°F, ±2%), applicable 60 sec after start-up when the 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	300 mW
Protection Level	IP40
Drop Test Height	1 m (3.28 ft)
Working Temperature Range	15°C to 35°C (59°F to 95°F)
Storage Temperature Range	-20°C to 60°C (-4°F to 140°F)
Weight	Approx. 26 g (0.057 lb)
Dimension	54.1 × 15 × 27.5 mm (2.13 × 0.59 × 1.08 in)

▪ Available Model

Mini1

▪ Dimension



Unit:mm[Inch]

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