Product Datasheet - Technical Specifications

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Your contact

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Mini2
Mini2 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: 256 × 192 (49,152 pixels)
- NETD: < 40 mK (@ 25°C, F#=1.0)
- Accuracy: ± 2°C (-20°C to 100°C) ; ± 2 % (100°C to 350°C)
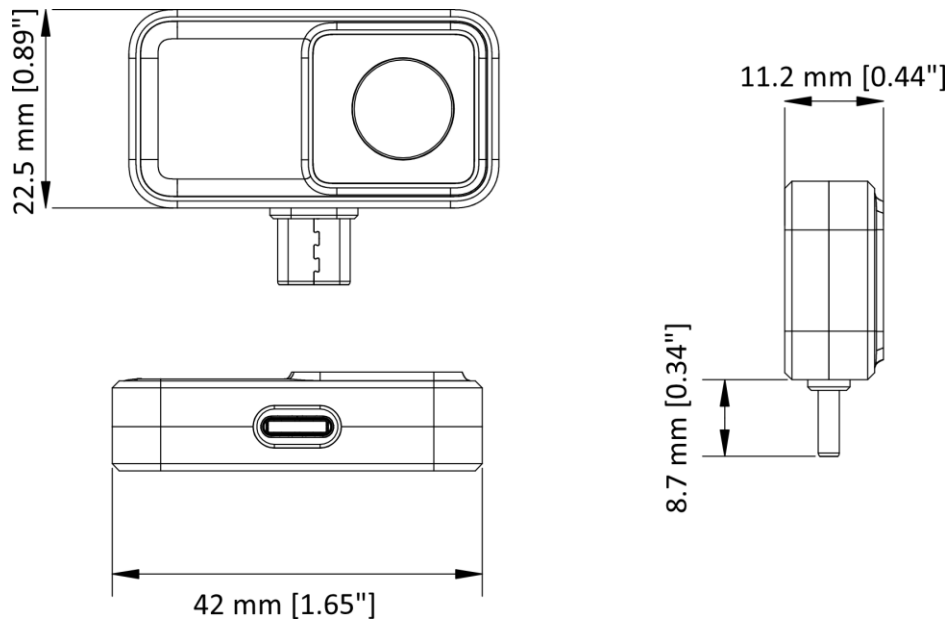- USB Type-C Interface (Android)
- 20 g Weight

▪ Specification

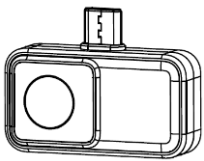| Infrared Image	
IR Resolution	256 × 192 (49,152 pixels)
NETD	< 40 mK (@ 25°C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 µm
Spectral Range	7.5 to 14 µm
Focal Length	3.5 mm
F-number	F1.0
Field of View (FOV)	50° × 37.2°
Min. Focus Distance	0.2 m (0.66 ft)
Focus Mode	Focus Free
Image Display	
Color 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%), 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	360 mW
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. 20 g (0.044 lb)
Dimension	42 × 22.5 × 11.2 mm (1.65 × 0.89 × 0.44 in)

▪ Available Model

Mini2

▪ Dimension
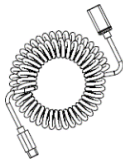
22.5 mm [0.89"]

11.2 mm [0.44"]

8.7 mm [0.34"]

42 mm [1.65"]

▪ Packing List

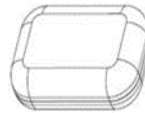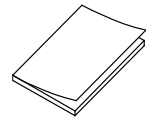Thermal Module (× 1)　　Extension Cord (× 1)　　USB Adapter (× 1)　　Protective Case (× 1)　　Quick Start Guide (× 1)

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