

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 ($\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$, $\pm 2\%$)
- USB Type-C Interface (Android)
- 45 g Weight

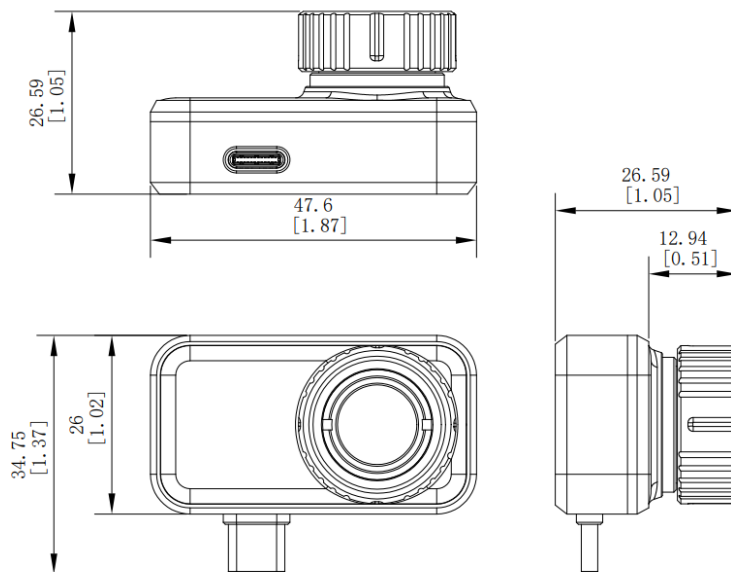
Specification

| 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) |

▪ Available Model

HM-TJ33-10RF-Mini3

▪Dimension



Thermal Imager (×1)



Extension Cord (x 1)



USB Adaptor (x 1)



Protective Case (x 1)



Quick Start Guide (x 1)

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