



PRO TI-9

THERMAL IMAGER MODULE FOR SMARTPHONES

INTRODUCTION

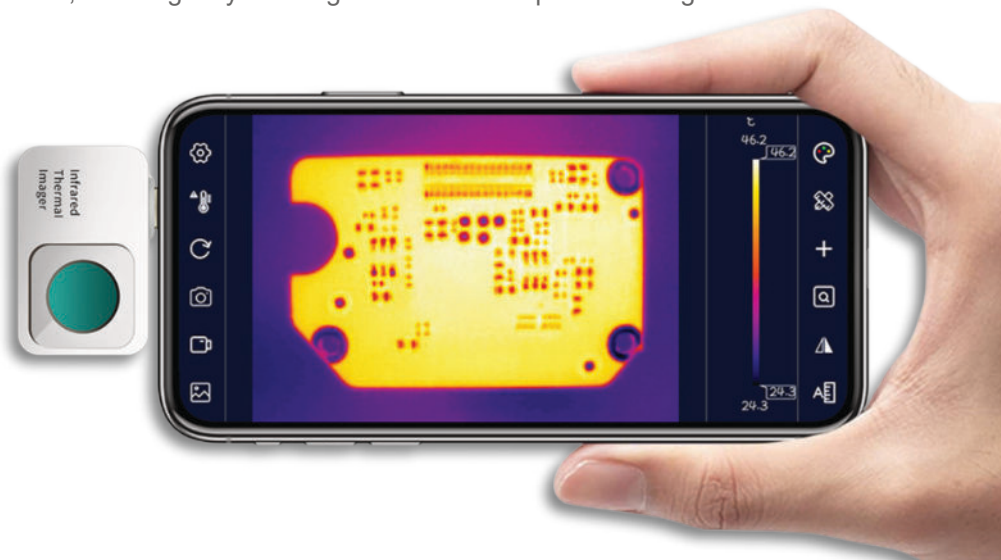
The Metravi Pro TI-9 Thermal Imager Module for Smartphones uses an industrial-grade thermal detector with small pixel spacing and high resolution, and is equipped with a 3.2 mm lens. It is a high-precision and fast-response portable thermal imaging analyser.

The device is lightweight, portable, plug-and-play, and with a customised, professional-grade thermal imaging analysis APP, it can be connected to an Android phone to conduct infrared observation and temperature measurement of target objects.



FEATURES

- High-quality optical lenses: paired with high-resolution to achieve excellent imaging effects
- Wide temperature measurement range: $-15^{\circ}\text{C} \sim 600^{\circ}\text{C}$ ($5^{\circ}\text{F} \sim 1112^{\circ}\text{F}$)
- Alarms: High temperature alarm and customised alarm thresholds
- Display of customised temperature range screens
- High and low temperature tracking
- Built-in Analysis: adding points, lines, and rectangular frames for regional temperature measurement. Lines and rectangular frames support high and low temperature tracking and high temperature alarms
- Offline analysis of points, lines and rectangular frames after taking pictures
- Supports temperature-locked observation, focusing only on images in a fixed temperature range



*Technical Specifications & Appearance are subject to change without prior notice



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TECHNICAL SPECIFICATIONS

Temperature Measurement Range	-15°C ~ 600°C
Accuracy	±2°C or ±2% of reading, whichever is greater
IR Resolution	256x192 px
Spectral Range	8~14 μm
Refresh Rate	25Hz
NETD / Spectral Response	<50mK @25°C
Emissivity	User-settable; 0.01 to 1.00
Lens	3.2mm
FoV	56° x 42°
App Functions	Temperature measurements Automatic tracking of high and low temperatures Center point temperature measurement Point temperature measurement Regional temperature measurement Line temperature measurement Temperature range viewing Offline Analysis Line, Point and Rectangular Frame Analysis High temperature quick check Live image flipping Image editing
Colour Palettes	Iron, White Hot, Black Hot, Rainbow, Red Hot, Cool Blue
Photographs	Supported; saved on Smartphone memory
Videos	Supported; saved on Smartphone memory
Settings Available	Thermal imaging professional parameter configuration; temperature unit (°C / °F / °K); language; high temperature alarm; video sound on/off
Operating Temperature	-10°C ~ 75°C
Storage Temperature	-45°C ~ 85°C
Protection	IP54 Splash-proof and dustproof

