



THERMAL MASTER P3 Mini Thermal Camera for iOS/Android



Modelis: TM-P3

Gamintojas: THERMAL MASTER

EAN: 6977658980241

Prekės kodas: 560962

287.99€

THERMAL MASTER P3 Mini Thermal Imaging Camera (iOS/Android)

The THERMAL MASTER P3 is a professional mini thermal imaging camera designed for precise diagnostics of electronics, PCBs, electrical systems, industrial applications, HVAC, and home and automotive inspections. The device uses a 256 × 192-pixel VOx detector and X³IR™ technology, which increases image resolution to 512 × 384 pixels, providing a clear and detailed view of temperature distribution. The camera measures temperatures ranging from -20°C to 600°C with an accuracy of ±2°C or ±2% of reading, and its thermal sensitivity (NETD) of 35 mK at 25°C allows it to detect even subtle thermal differences. Despite its advanced capabilities, the P3 remains exceptionally compact—it measures 59 × 27 × 17.2 mm, weighs 26.3 g, and consumes only 0.32 W of power.

Precise PCB diagnostics at the 1 mA level

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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The P3 was developed with a focus on printed circuit board analysis, making it particularly well-suited for applications where rapid detection of micro-defects is critical. The camera enables PCB testing and leakage current detection at the 1 mA level, facilitating the identification of problematic components without the need for time-consuming checks of the entire circuit. The macro lens with manual focus allows for precise adjustment of the image to small electronic components, and the 4.3 mm focal length supports close-up work. This makes the P3 a practical tool for service centers, electronics engineers, technicians, and device repair professionals.

A thermal image that reveals more detail

X³IR™ technology increases image detail to 512 × 384 pixels, resulting in a clearer thermogram and easier interpretation of results. The Razor X™ algorithm delivers an ultra-clear image, while the Thermal Master High-Sensitivity Sensor core ensures precise mapping of temperature differences. A 25 Hz refresh rate provides a smooth preview during operation, even when the camera is panned across the area being analyzed. You can also use the 15x digital zoom to take a closer look at selected parts of the image. The THERMAL MASTER P3 also offers 12 color palettes, including White Hot, Black Hot, Iron Red, and Red Hot, as well as 8 other variants. This allows you to tailor the image display to a specific task, surface type, or your own preferences. The camera allows for emissivity adjustment, distance correction, and ambient temperature setting, enabling you to better adapt the measurement to working conditions. These features are particularly important when analyzing various materials and surfaces that may reflect or emit heat differently.

Wide measurement range for demanding tasks

With a measurement range from -20°C to 600°C, the THERMAL MASTER P3 is suitable for both electronics diagnostics and the inspection of installations, machinery, heating elements, and industrial systems. An accuracy of ±2°C or ±2% of the reading helps ensure reliable results in daily service and inspection work. The camera supports high and low temperature alarms, making it easier to spot values outside the expected range. The isotherm feature allows you to highlight a selected temperature range with a separate color, which speeds up the analysis of areas requiring attention. The aircraft-grade alloy housing ensures durability while maintaining a lightweight design.

Intelligent measurement and convenient data analysis

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The P3 offers advanced measurement tools that facilitate the analysis of various areas of the image. You can use 3-point, 3-line, 3-rectangle, and 3-circle measurements, as well as automatic tracking of center, maximum, and minimum temperatures. IQ+ Precision Temp technology uses a dynamic temperature drift compensation algorithm and intelligent ambient temperature measurement to help maintain the stability and accuracy of readings. Free professional offline data analysis is also available after taking a photo, which is useful for documenting defects and preparing reports.

Temp Master app and multi-device support

The camera works with the Temp Master app, which can be downloaded from Google Play and the App Store. Supported devices include iPhone 8–16, smartphones running Android 7.0 and later, as well as iPads, Android smartphones, and computers. PC software is available on the manufacturer’s website, allowing you to work not only on mobile devices but also on a larger screen. The P3 supports 12 languages, photo and video recording, and IR and PIP (picture-in-picture) modes.

Included in the package:

- Thermal imaging camera
- Carrying case
- USB-C to Lightning adapter
- Extension cable (50 cm)
- User manual

Manufacturer	THERMAL MASTER
Model	P3
Detector	VOx 256 × 192 pixels (12 μm)
X ³ IR™ resolution	512 × 384 pixels
Temperature measurement range	From -20°C to 600°C
Temperature measurement accuracy	±2°C or ±2% of reading

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Focal length	4.3 mm
Focusing mode	Macro lens with manual focus
Printed circuit board testing	Detection of PCB leakage current at 1 mA
Application scenarios	Printed circuit boards, electronics, industrial, HVAC, home and automotive inspections
Compatibility	Connects to iPhone, iPad, Android smartphones, and computers
Supported systems	iPhone 8-16 / Android 7.0 and later
Digital zoom	15×
Image refresh rate	25 Hz
Thermal sensitivity (NETD)	35 mK at 25°C
Thermal Core	Thermal Master High-Sensitivity Sensor
Razor X™	Ultra-clear image algorithm
IQ+ Precision Temp	Dynamic temperature drift compensation algorithm with intelligent ambient temperature measurement
Temperature measurement	3 points / 3 lines / 3 rectangles / 3 circles, automatic tracking of center, maximum, and minimum temperatures
High/low temperature alarm	Supported
Isotherm	Highlighting of selected temperature range with a distinct color
Photo and video recording	Supported
Free professional data analysis	Offline analysis after taking a photo
Image mode	IR (default), PIP (picture-in-picture)
Color palettes	12 palettes (White Hot, Black Hot, Iron Red, Red Hot, and 8 others)
Measurement parameter correction	Emissivity adjustment, distance correction, and ambient temperature setting
App name	Temp Master

App download [Google Play / App Store](#)

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PC software	Available at www.thermalmaster.com
Estimated runtime	300 to 480 minutes (e.g., Samsung Galaxy S23+ with a 4700 mAh battery – approximately 367 minutes of runtime)
Power consumption	0.32 W
Field of view (FOV)	40° × 30.2°
Dimensions	59 × 27 × 17.2 mm
Weight	26.3 g
Housing material	Aviation-grade alloy
Operating temperature	-20°C to 55°C
Storage temperature	From -20°C to 60°C
Supported languages	12 languages
Connector	Protrudes 2 mm, compatible with most phone cases

Net weight: 299, Box length: 13,00, Box width: 10,00, Box height: 5,00, Gross weight: 300, GPSR

Link: <https://psr->

assets.innpro.pl/photo_and_accessories/sg_photo_and_accessories_photo_accessories.pdf,

Information about data generation: https://dataact.innpro.pl/THERMAL_MASTER/6977658980012

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