M300 Handheld Thermal Camera

Check clearly, solve quickly. Built-in 110,000-pixel VOx infrared detector, optimized circuit, MatrixIII intelligent image processing algorithm, and patented measurement algorithm work together to provide clearer temperature images as well as more accurate and stable temperature measurement data; intelligent touchscreen, manual focusing lens, dual-spectrum, and multiple analysis functions ensure accurate test results and efficient analysis, diagnosis, and processing.

Measurement range: -20°C~+550°C

Image mode: thermal imaging, thermal fusion, visible light, PIP

Infrared resolution: 384×288

Pixel size: 12μm

Focal length: 6.2mm

Features of M300 Handheld Thermal Camera

Better performance makes M300 greater

- With 384×288 thermal resolution, thermal sensitivity of 0.05°C, and 44 ° FOV, M300 can display rich details that low resolution products cannot, and makes sure the abnormal temperature targets were not missed.
- Manual focusing provides clear images of targets from far to near, especially for observing tiny near targets.
- 3.5" LCD HD (640×480) capacitive touch screen, brightness adjustable, easy to observe and analyze.
- Measurement range up to -20°C~+550°C. From building detection to automotive maintenance, it is adaptive to various scenes and purposes. There is no need to switch equipment, to ersave costs, and improve efficiency.
- Powerful image fusion function with the 5-megapixel visible light camera provides more comprehensive and richer information, easier for observation under complex conditions.

Intelligent analysis. Discover more within the image

- Support WiFi transmission. After connected to mobile phone APP, it can analyse and share thermal images and temperature data at any time and anywhere.
- Intelligent PC analysis software supports the resetting of the measurement parameters. Click to form the detection report, convenient for data sorting, analysing, and mining.

Professional design, expert's choice, choose to be an expert

- It supports both screen-touch and button operation. The touch panel is clear to see, easy to use, and convenient to analyse the data. The physical buttons are user-friendly and convenient to operate with gloves.
- The operation interface is clear and user friendly. It can be easily operated without training.
- It needs only one button to take photos or videos. Voice annotation is supported to perfectly restore the scene and simplify the complicated work procedures.
- The large capacity 4500mAh battery in M300 is designed to be quickly detachable. Each M300 is shipped with two batteries and a charging dock, to meet heavy daily usage.
- 3.5-inch LCD high definition (640×480) capacitive touch screen, with adjustable screen brightness, is more convenient for observation and analysis.
- Compact and robust design with IP54 protection and 2m dropproof. All these are to ensure you can work without worry.
- Dual modes support hand-held operation and fixed operation on the tripod, flexible and reliable.
- Laser pointer can locate targets quickly and accurately, improving inspection efficiency.
- Built-in high/low-temperature alarm supports user-defined alarm temperature.
- Specifications:

Model	M300
Detector Type	VOx Uncooled infrared FPA detector
Detector Resolution	384×288
Spectral Band	8~14μm
Pixel Pitch	12μm
NETD	<35mK
Frame Rate	25Hz
FOV	43.7°×31.9°
IFOV	1.98mrad
Focusing Mode	Manual focusing
Measuring Range	-20 ℃～+550 ℃
Temperature Measurement Accuracy	±2℃ or ±2% of the reading (whichever is the greater)
Measurement Tools	Central spot measurement/Hotspot and cold spot tracing
Image Modes	IR, Visible, PIP,Fuse

Palette	7
Temperature Alarm	Full frame high/low temperature alarm
Secondary Analysis	Equipped with PC and app analysis software for secondary analysis of data
WiFi	Support WiFi data transmission
Screen Size	3.5" LCD (640×480) touch screen
Laser	Laser pointer
Storage	Standard 32GB SD card
Tripod Support	Yes, at the bottom of the handle
Operating Time	4h, @25℃ indoor
Charging Time	About 3h, @25℃ indoor
Weight	670g
Dimension	256.4×105.1×102.3mm
Operating Temperature	-10℃~+50℃
Storage Temperature	-20℃~+60℃
Operating Humidity	Relative humidity 10%~95%, non-condensing
Drop Protection	2m
IP Encapsulation	IP54