



# MTiB12 Thermal Imager

The MTiB12 Body & surface Thermal Imager is a handheld thermal imaging camera used for measuring body temperature and can also be used for predictive maintenance, equipment troubleshooting and verification. The MTiB12 features a 20mS sampling rate and is ideal for scanning multiple targets. The adjustable High alarm makes it easy to instantly identify a person in a group that has an above average temperature. Thermal images are displayed on the LCD display and can be saved on the internal memory. With Bluetooth and an instant share function, the thermal images can be transferred to one's smart phone to analyze, share and perform quick reporting.



## Features

- 80 x 80 pixel thermal imaging system
- 6400 points real temperature fast measurements
- Screening Temperature mode 32-42°C
- Measuring Accuracy:  $\pm 0.5^{\circ}\text{C}$
- Thermal sensitivity:  $< 0.1^{\circ}\text{C} \mid 300^{\circ}\text{C} / 100\text{mK}$
- 50Hz fast Thermal image frame rate
- Hot, Cold, Centre three temperature tracking function
- Large, easy-to-read, bright graphical TFT display
- Bluetooth image instant share & save with iOS and Android smart device
- Scene temperature range Lock function.
- With LED flashlight function
- Long running time up to 8 hours with rechargeable battery
- Smart and compact design
- Rugged industrial design

Function	Range
<b>Imaging and Optical Data</b>	
Field of View	21° x 21°
Spatial resolution (IFOV)	4.53mrad
Thermal Sensitivity/NETD	$< 0.1^{\circ}\text{C} @ +30^{\circ}\text{C} / 100\text{mK} 10.12:1$
Image range	50Hz
<b>Focus mode Manual</b>	
Focus Mode	Focus Free
Focal length	7.5mm
Focal Plane Array (FPA)/Spectral range	Uncooled microbolometer / 8-14um
IR Resolution	80 x 80 pixels
<b>Image Presentation</b>	
Display	22 colour TFT LCD, 240 x 320 pixels
Image Modes	IR Image
Colour Palletes	Iron, Rainbow, Grey, Grey Inverted, Rainbow high contrast
<b>Measurement</b>	
Temperature Range	-20°C to +380°C $\pm(2.0\% + 2^{\circ}\text{C})$
Body Temperature Range	+32°C to +42°C $\pm 0.5^{\circ}\text{C}$
<b>Storage</b>	
Images Format	Bitmap (BMP) including measurement data
Size	175 x 58 x 70mm
Weight	450g



## MTiB12 | Body Thermal Imager

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