



MTiB12 Thermal Imager

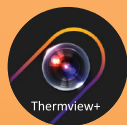
The MTiB12 Body & surface Thermal Imager is a handheld thermal imaging camera used for measuring body temperature and can also be used for predictive maintenance, equipment troubleshooting and verification. The MTiB12 features a 20mS sampling rate and is ideal for scanning multiple targets. The adjustable 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: $< 0.1^{\circ}\text{C} \mid 300^{\circ}\text{C} \mid 100\text{mK}$
- 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
Imaging and Optical Data	
Field of View	21° x 21°
Spatial resolution (IFOV)	4.53mrad
Thermal Sensitivity/NETD	$< 0.1^{\circ}\text{C} @ +30^{\circ}\text{C} \mid 100\text{mK} 10.12:1$
Image range	50Hz
Focus mode Manual	
Focus Mode	Focus Free
Focal length	7.5mm
Focal Plane Array (FPA)/Spectral range	Uncooled microbolometer / 8-14um
IR Resolution	80 x 80 pixels
Image Presentation	
Display	22 colour TFT LCD, 240 x 320 pixels
Image Modes	IR Image
Colour Palletes	Iron, Rainbow, Grey, Grey Inverted, Rainbow high contrast
Measurement	
Temperature Range	-20°C to +380°C $\pm(2.0\% + 2^{\circ}\text{C})$
Body Temperature Range	+32°C to +42°C $\pm 0.5^{\circ}\text{C}$
Storage	
Images Format	Bitmap (BMP) including measurement data
Size	175 x 58 x 70mm
Weight	450g



MTiB12 | Body Thermal Imager

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