

High Performance Thermal Imager

The Major Tech MTi13 high performance thermal imager is affordable and makes preventative maintenance quick & easy!



Technical Datasheet



MTi13

The MTi13 Thermal Imager with 80 x 80 resolution at 50Hz offers real-time capture and a large touch screen with a toolbar that will assist you to fine-tune and analyze images quickly. Temperature range from -20°C to 350°C, 20X continuous zoom, picture-in-picture, Hot/Cold spot marker, voice comment recording and text annotation on images.



Features:

- 80 x 80 Resolution
- Real time capture
- 2.8" LCD display with touch screen
- Focal length 9mm
- Field of view 17x17°
- Minimum focus distance 0.5m
- Spatial resolution 3.78mrad
- Thermal sensitivity / NETD < 0.1°C / 100mK
- Temperature -20°C - 350°C
- Picture-in-Picture
- Text annotation on images
- Voice comment recordings
- 32X Continuous Digital Zoom
- 5 Megapixels Digital Camera
- Area Min / Max with Auto Hot / Cold Spot Mark
- USB interface with 8GB Micro SD card

Specifications

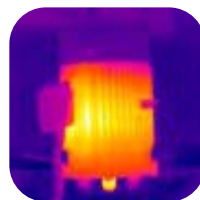
FUNCTION	RANGE
IR Resolution	: 80 x 80 pixels
FPA / Spectral Range	: Uncooled microbolometer / 8-14µm
Focal length	: 9mm
Field of view (FOV)	: 17° x 17° / 0.5m
Spatial resolution (IFOV)	: 3.78mrad
Thermal sensitivity / NETD	: <0.1°C @ +30°C (+86°F) / 100mK
Image Frequency	: 50Hz
Focus mode	: Manual
Zoom	: 1-32 x continuous, digital zoom
Image modes	: IR image, Visual image, Picture-in-Picture
Picture-In-Picture	: IR area on visual image
Color palettes	: Iron, Rainbow, Grey, Grey Inverted
Temperature range	: -20°C - 150°C (-4°F - 302°F) 0°C - 350°C (+32°F - 662°F)
Accuracy	: ±2°C or ±2% of reading
Spotmeter	: Center Spot, Auto hot or cold markers
Storage media	: 8GB Micro SD Card
Video storage format	: MPEG 4 > 60 minutes
Image storage format	: JPEG > 1000 pictures
Built-in digital camera	: 5 Mega pixels
Built-in digital lens data	: FOV 59°
Interfaces	: USB-mini / Audio / HDMI
Video out	: HDMI
POWER SYSTEM	: Li-ion / 4 Hours
Battery	: In camera (AC adapter)
Charging system	: Automatic shutdown
Power management	: 224 x 77 x 96mm
Size (L x W x D)	: 500g
Weight	

Applications

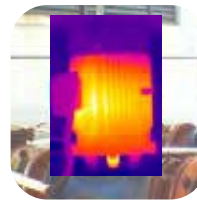
- Plant / General Maintenance
- HVAC/R
- Transportation / Automotive
- Cooling and Reheating
- Serving areas and Cold storage
- Food service equipment

Standard Accessories

- Carry Bag
- 7.5mm Lens
- Sun visor
- Battery
- Charger
- Camera lens cap
- Software
- Handstrap
- USB cable
- RCA cable



Full Infrared



Picture-in-Picture



Colour Alarms



Full visible light

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