



MTi13 Thermal Imager

The MTi13 Thermal Imager, featuring a 256 x 192 pixel sensor at 25Hz and built-in Wi-Fi, is designed for predictive maintenance, equipment troubleshooting and verification tasks. This device quickly identifies anomalies in drive motors, electrical panels or HVAC systems. The 2.8" LCD display with 240 x 320 pixels ensures clear visualization of thermal images, covering a temperature range of -20°C to 550°C. Additional features include adjustable emissivity, centre spot temperature and hot/cold alarms. The included Thermview Pro software streamlines the capture, analysis and sharing of thermal data, enhancing safety, preventing downtime and optimizing operations.

Features

- Real-time streaming of videos and images via Wi-Fi
- Thermview Pro Software included for seamless integration and data transfer to PC/Mobile using USB Type-C or Wi-Fi
- Field of View (FOV)/Minimum Focus Distance of 62°x48°/0.5m
- Thermal Sensitivity of <0.04°C at 30°C (86°F)/40mK
- Object Temperature Range from -20°C to 550°C (-4°F to 752°F)
- Measurement Correction options including Emissivity and Reflected temperature
- Versatile IR/Visual Images, simultaneous storage of IR and Visual Images
- Storage Media options include 8GB Micro SD card and 3.4GB internal EMMC
- MPEG-4 encoded Video Storage, allowing up to 60 minutes of 240x320 video at 30fps
- Up to 4 hours of uninterrupted operation with the rechargeable Li-Ion battery
- 25Hz Image Frequency
- Colour Palettes include Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Hot-Cold and Feather



| Function | Range |
|--------------------------------------|---|
| Imaging and Optical Data | |
| IR Resolution | 256 x 192 Pixel |
| Field Of View | 62° x 48° |
| Spatial Resolution | 4.6mrad |
| Thermal Sensitivity | <0.04°C at +30°C (86°F)/40mK |
| Image Frequency | 25Hz |
| Focus | Focus Free |
| Image Presentation | |
| Display | 2.8" LCD, 240 x 320 |
| Image Modes | IR Image, Visual Image, Auto Fusion |
| Colour Palette | Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Hot-Cold, Feather |
| Measurements | |
| Object Temperature Range Object | -20°C to 550°C (-4°F to 752°F) |
| Temperature Accuracy | +2°C (3.6°F) or ±2% of reading |
| Measurement Analysis | |
| Spot | Centre Spot |
| Automatic Hot/Cold Detection | Auto Hot or Cold markers |
| Measurement Corrections | Emissivity, Reflected Temperature |
| Storage | |
| Storage Media | 8GB Micro SD Card, 3.4GB Internal EMMC |
| Video Storage Format | Standard MPEG-4 encode, 240x320@30fps, on memory card, > 30 minutes |
| Video & Image Storage Mode | IR/Video images, simultaneous storage of IR and Visual images |
| Image Storage Format | Standard JPEG or HIR files including measurement data, on memory card > 6000 pictures |
| Image Analysis | Internal Image analyses tools, Complete function |
| Digital Camera | |
| Built-in digital camera | 2 Megapixels |
| Built-in digital lens data | FOV 65° |
| Data Communication Interfaces | |
| Interfaces | USB-Type C |
| USB | Data transfer between camera and PC. Live video between camera and PC |
| Wi-Fi | 802.11, transfer images and real time video stream |
| Size | 224 x 77 x 96mm |
| Weight | 500g |



File Transfer via Wi-Fi to free iOS or Android app (phone not included)



MTi13 | **256 x 192 Pixels Thermal Imager**

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