



MTi65 Thermal Imager

The MTi65 is a high-performance thermal imager designed for precise long-distance measurements, displaying thermal readings on a large 3.5" 640 x 480 pixel LCD touchscreen. With a high resolution of 384 x 288 pixels at 50Hz, a built-in laser distance meter and Wi-Fi connectivity, the MTi65 offers enhanced effectiveness and accuracy during thermal inspections. Its manual focus, bright touchscreen and intuitive toolbar allow users to fine-tune and analyse images with ease. The touchscreen also supports manual addition of up to three spot or area measurements, automatic hot/cold spot markers and adjustable zone alarms. This device features a temperature range from -20°C to 1200°C, 32X digital zoom, HDMI video output and on-screen adjustable level and span. The MTi65 comes with a hard protective carry case, memory card, lithium polymer battery, power supply and USB cable.

Features

- 384 x 288 Pixel Thermal Detector
- 110,592 points real temperature
- 50Hz Image Frequency
- Laser Distance 30m
- 3 Area and 2 Line Analysis
- 3 Manual Spots
- Hot, Cold and Centre Spot Temperature
- 3.5" TFT LCD display, Touch Screen
- Instant share & save via WiFi to PC, iOS and Android smart devices
- Colour Palettes include Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Feather, Zone Alarm
- Rugged and industrial design casing
- Easy to use functions via touch screen
- Specially used for long distances



Function	Range
Imaging and Optical Data	
IR Resolution	384 x 288 Pixel
Field Of View	17° x 12.7°
Spatial Resolution	0.45mrad
Thermal Sensitivity	<0.05°C at 30°C (86°F)/50mK
Image Frequency	50Hz
Focus Mode	Manual Focus
Zoom	1-32x Continuous, Digital Zoom
Image Presentation	
Display	3.5" 640 x 480 TFT, Capacitive Touch Screen
Image Modes	IR Image, Visual Image, Pic-in-Pic, Auto Fusion, Distance
Colour Palette	Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Hot-Cold, Feather, Above Alarm, Below Alarm, Zone Alarm, Vision Zone
Measurements	
Object Temperature Range	-20°C to 150°C (-4°F to 302°F) / 0°C to 1200°C (32°F to 2192°F)
Object Temperature Accuracy	+2°C (3.6°F) or ±2% of reading
Laser Range Finder	0.05 to 30m
Laser Accuracy	Typically +1.5mm
Measurement analysis	
Spot	Centre Spot, 3 Manual Spots
Automatic Hot/Cold Detection	Auto Hot or Cold markers
Line	2 Line Analysis
Area	3 Area Analysis
Measurement Corrections	Emissivity 0.01 to 1.0 Adjustable
Storage	
Storage Media	8GB Micro SD Card, 3.4GB Internal EMMC
Video Storage Format	Standard MPEG-4 encode, 640x480@30fps, on memory card, > 60 minutes
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 > 60 minutes
Image Analysis	Internal Image analyses tools, Complete function
Digital Camera	
Built-in digital camera	5 Megapixels
Built-in digital lens data	FOV 59°
Data Communication Interfaces	
Interfaces	USB-Mini, HDMI
USB	Data transfer between camera and PC. Live video between camera and PC
Video Out	HDMI
Wi-Fi	802.11, transfer images and real time video stream
Size	261 x 103 x 128mm
Weight	820g



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



MTi65 | **384 x 288 Pixels Thermal Imager**



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