



MTi60 Thermal Imager

The MTi60 High-Performance Thermal Imagers have a resolution of 384 x 288 pixels at 50Hz, with built-in Laser Distance meter and Wi-Fi ensures that thermal inspections are conducted with greater ease, more effective, and with extreme accuracy. With manual focus, large bright touch screen and easy to access toolbar the user can fine-tune and analyze images quickly and effectively. The touch screen allows the user to manually add up to 3 spot or area measurements, Hot/Cold spot marker that automatically finds the hottest and coldest spots and adjustable zone alarm. It features temperature ranges from -20°C to 650°C, 32X digital zoom, HDMI video output and on-screen adjustable level and span. The hard protective carry case contains a 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
- MTi60EX intrinsically safe version available



Function	Range
Imaging and Optical Data	
IR Resolution	384 x 288 pixels
Field Of View	17° x 12.7°
Spatial Resolution	0.77mrad
Thermal Sensitivity	<0.08° at 30°C (86°F)/80mK
Image Frequency	50Hz
Zoom	32x Digital
Focus Mode Manual	
Focus Mode	Manual Focus
Focal Length	22mm
Focal Plane Array (FPA)/Spectral Range	Uncooled Microbolometer/8-14µm
Image Presentation	
Display	3.5" TFT LCD, Touch Screen
Display Resolution	640 x 480 pixels
Image Modes	IR Image, Visual Image, Pic-in-Pic, Auto Fusion
Colour Palette	Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-Red, Feather, Zone Alarm
Measurements	
Object Temperature Range	-20°C to 150°C (-4°F to 302°F) / 0°C to 650°C (32°F to 1202°F)
Object Temperature Accuracy	±2°C (3.6°F) or ±2% of reading
Laser Distance	0.05 to 30m (0.15 to 98ft)
Laser Distance Accuracy	Typically ±1.5mm (0.06in)
Measurement Analysis	
Spot	Centre Spot & 3 Manual spots
Automatic	Auto Hot & Cold markers
Line	2 lines analyse
Area	3 areas analyse
Adjustable Emissivity	0.01 to 1.0
Measurement Correction	Emissivity, Reflected Temperature, Ambient Temperature, Humidity, Infrared Compensation, Distance Compensation
Storage	
Storage Media	8GB Micro SD Card, 3.4GB Internal EMMC
Video Storage Mode	Standard MPEG-4
Image Storage Mode	JPEG and HIR and simultaneous visual image including measurement data
Data Communication Interfaces	
Interfaces	USB-Mini, HDMI
Video Out	HDMI
Wi-Fi	802.11, transfer images and real time video stream
Size	260 x 101 x 120mm
Weight	846g



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



MTi60 | **384 x 288 Pixels Thermal Imager**

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