

TC640 Thermal Camera



- 640x480 resolution
- 4.3" LCD colour touchscreen
- -20°C~550°C temperature measurement
- IR, VIS, PIP, MIF temperature details
- 13 MP visible light photo and video recording
- Laser ranging
- Share files via mobile app
- Video streaming, real-time data transmission with PC analysis software

DESCRIPTION

The Megger TC640 thermal camera comes with a high-sensitivity IR detector with a maximum resolution of 640 x 480, a 13 MP visible light camera, and 5 focusing modes. This high-precision Thermal Camera is designed specifically for industrial-use, helping users to intuitively view high definition images and temperature details of target subjects. A 9 Hz infrared frame rate provides for fast and accurate access to more temperature data of moving targets and further detailed analysis.

FEATURES

- New generation IR sensor with 640 x 480 resolution
- Algorithms for pixel point details and hidden hazards
- A 13 MP visible light camera and dual spotlight illuminators for easy location of faults
- Up to 9 Hz IR video frame rate for temperature analysis
- IP54 waterproof and dustproof and 2 m drop resistance with military-grade quality
- OTA online upgrades to keep the device up to date
- Built-in Wifi module for easy transfer of images to the cloud and remote instant download and analysis

APPLICATIONS

- Electrical circuits, distribution boards and cabling
- Commercial or industrial circuits
- Industrial distribution boards
- Motor, generator and rotating machine maintenance
- Powergeneration and substations
- Air conditioning maintenance
- CHP systems
- Commercial Heating systems (central heating, underfloor, heat pumps etc)
- Commercial and industrial solar PV systems
- Full heat loss surveys and building insulation
- IT systems
- Component level heat analysis on PCB's
- Air leaks and moisture issues
- Medical use
- Firefighting & other Rescue services
- Law enforcement
- Veterinary and Wildlife

TC640 Thermal Camera

SPECIFICATIONS

Imaging and optics

Detector type	VOx, 7.5 – 14 µm
Infrared resolution	640 × 480@12 µm
Super resolution	Upgrade images to 1280 × 960
NETD	30 mK
Frame rate	9 Hz
Focal length	17.7 mm
Field of view	25 ° × 19 ° / 24 ° × 18 °
IFOV	0.68 mrad / 0.66 mrad
Min. object distance	0.15 m
D:S	1470:1
Focusing mode	Manual / Automatic / Touch autofocus / Continuous autofocus
Digital zoom	1.1x to 20x

Measurement and analysis

Measurement range	Support auto-switching: -40°C to 150°C, 0°C to 650°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	16 in total (Spot/Line/Area)
Alarm	Full screen temperature threshold alarm (image, voice and flash)
Other settings	Isothermals, Smart Stroke, Area calculation

Image display

Screen size	4.3" LCD, colour touchscreen, 800×480
Image mode	InfraRed, Visible Light, Multi-Image Fusion and Picture-in-Picture
Color palettes	15: White Hot, Iron Red, Arctic, Rainbow 2, Hot Iron, Rainbow 1, Fulgurite, Medical, Tint, Black Hot, Blue Hot, Sepia, Green Hot, Ice and Fire, Amber; Customized
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual
Digital camera	13 MP
Functions	
Laser	Laser (indication, ranging 0.1 m to 40 m)
Recording function	Photo (image stitching) and Video (infrared & visible light)
Cloud services	Available
Other	2 Customized buttons, OTA update

Storage and transmission

Storage media	Built-in (64 GB) and external SD card (up to 256 GB)
Image file type	JPG with temp info
Video file type	MP4 format (without temp info) can be used to record audio synchronously; Irgd (with temp info), up to 30 Hz (optional) for temperature analysis
External interface	USB-C, SD card slot, Tripod socket
Wifi	Wifi connection to the mobile terminal for image and real-time video transmission
Power system	
Battery type	Interchangeable rechargeable lithium-ion battery (2 pcs)
Operating time	4 hours
Environmental parameters	
Working temperature	-20°C to 50°C
IP rating	IP54
Drop	2 m drop test
Physical parameters	
Hardware	Spotlight x 2, Microphone, Speaker, Electronic compass, GPS
Weight	1.2 kg (with battery)
Size	292 × 125 × 125 mm
Software kit	PC: ThermoLink app iOS/android: Thermography app
Box contents	TC640 Thermal camera (with lens), Lens front and back cover, Lithium-ion battery (2 pcs), Soft protective case that fits inside hard transport case, Desktop charger, Power adapter, Adapter plug, USB-C to USB-C Cable, USB-A to USB-C Cable, RJ45 Ethernet Patch Cable, USB-C to Ethernet Adapter, SD card (64 GB), Wrist strap, Shoulder strap, Quick Start Guide, Calibration certificate
Optional accessories	Lithium-ion battery pack
Warranty	Camera: 2 years Battery: 1 year

TC640

Thermal Camera

ORDERING INFORMATION

Description	Part number
TC640 Thermal Camera	1017-626
Included Accessories	
Wrist Strap	
Camera neck/shoulder Strap	
Desktop Battery charger with adapter plugs x 3 (UK, EU and AU/NZ/CN)	
Lithium-ion battery (2 pcs)	
Hard transport case	
Soft protective case with shoulder strap (fits inside hard transport case)	
Lens front and back cover	
USB-C power adapter	
USB-C to USB-C Cable	
USB-A to USB-C Cable	
RJ45 Ethernet Patch Cable	
USB-C to Ethernet Adapter	
SD card (64 GB)	
Quick Start Guide	
Calibration certificate	

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TC640_DS_EN_V04

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ISO 9001
The word 'Megger' is a registered trademark

Megger ^R

Diensten van EURO-INDEX

EURO-INDEX is fabrikant van BLAUWE LIJN en importeur/distributeur van diverse A-merken test- en meetinstrumenten. Wij leveren naast instrumenten ook de diensten om het gebruik hiervan in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van instrumenten, maar ook kennisdeling via de EURO-INDEX Academy en verhuur van meetinstrumenten.

Geautoriseerd Service Centrum

EURO-INDEX is van de meeste merken in ons assortiment een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument blijft intact, net als de certificering (ATEX, EN50379, etc.).

Kalibratielaboratorium

Ons moderne service- en kalibratielaboratorium beschikt over een RvA accreditatie naar NEN-EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij [accreditatienummer K105](#).



Kijk voor een overzicht van al onze diensten op euro-index.nl/diensten



KWS®

KWS® is een unieke kalibratieformule voor uw test- en meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten.

Uw kalibratiecertificaten zijn digitaal beschikbaar via Mijn KWS (gratis webportaal en app) en door de QR-code te scannen van de kalibratiesticker op het instrument.

Verhuur van meetinstrumenten

Er zijn diverse situaties waarbij huren handig is:

- U heeft tijdelijk extra toestellen nodig.
- Uw eigen meetinstrument wordt onderhouden en/of gekalibreerd.
- U moet een eenmalige meting verrichten.

EURO-INDEX Academy

- Trainingen (individueel en klassikaal)
- Cursussen, infosessies en workshops
- Demonstratie- en instructievideo's
- Whitepapers



Servicebalie



Onderhoud, reparatie en kalibratie



Cursussen en workshops



Kalibratielaboratorium

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