

TC256P

Pocket Sized Thermal Camera



- 256x192 resolution
- 3.5" LCD colour touchscreen
- -20°C~550°C temperature measurement
- IR, VIS, PIP, MIF temperature details
- 5 MP photo and video recording
- Laser ranging
- Area calculation tool
- Share files via mobile app
- Real-time video streaming and video storage in IRGD format, with ThermoLink PC application and Thermography mobile APP

DESCRIPTION

The TC256P pocket-sized thermal camera is a non-contact inspection tool for diagnosing problems and finding hidden deficiencies of electrical, mechanical and HVAC equipment.

The TC256P includes 256x192 pixel infrared detector, -20°C to 550°C temperature range, 5 MP visible light camera and 3.5-inch LCD touchscreen.

The extraordinary thermal imaging detail, easy operation and built-in Wi-Fi allow users to quickly and easily share the reports with colleagues and customers.

FEATURES

- The 256x192 infrared detector produces crisp imagery
- The InfraRed, Visible Light, Multi-Image Fusion and Picture-in-Picture modes reveal temperature details
- -20°C to 550°C temperature range with auto-switching capability
- Laser ranging and intelligent area calculation of rectangle objects
- Fast image review and search for desired functions
- 4 hours of operation and standard Type-C for fast charging

APPLICATIONS

- Domestic electrical circuits
- Electrical distribution boards and cabling
- Commercial or industrial circuits
- Industrial distribution boards
- Motor, generator and rotating machine maintenance
- Air conditioning maintenance
- Heating systems (central heating, underfloor, heat pumps etc)
- Domestic, commercial and industrial solar PV systems
- Heat loss surveys and building insulation
- IT systems
- Air leaks and moisture issues

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Pocket Sized Thermal Camera

SPECIFICATIONS

Imaging and optics

Detector type	VOx, 7.5 – 14 µm
Infrared resolution	256 × 192@12 µm
NETD	45 mK
Frame rate	25 Hz/9 Hz
Focal length	3.2 mm
Field of view	56 °×48 °
IFOV	3.75 mrad
Min. object distance	0.3 m
D:S	266:1
Focusing mode	Focus-free
Digital zoom	1.1x to 8x

Measurement and analysis

Measurement range	Support auto-switching: -20°C to 150°C, 100°C to 550°C
Measurement accuracy	±2°C or ±2%, whichever is greater
Analyzed target	Spot x 2 (include Center spot); Area x 3
Alarm	Full screen temperature threshold alarm (image and flash)
Parameter settings	Emissivity, reflected temperature, target distance

Image display

Screen size	3.5" LCD colour touchscreen
Image mode	InfraRed, Visible Light, Multi-Image Fusion and Picture-in-Picture
Color palettes	6: Iron Red, White Hot, Black Hot, Arctic, Rainbow, Hot Iron,
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual
Digital camera	5 MP

Functions

Laser	Laser (indication and ranging)
Recording function	Photo
Cloud services	Available
Other	Customisable Function Buttons (F1 and F2)

Storage and transmission

Storage media	16 GB internal storage
Image file type	JPG with temp info

External interface

Wifi	Wifi connection to the mobile terminal for image and real-time video transmission
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Power system

Battery type	Rechargeable lithium-ion battery, non-removable
Operating time	4 hours
Charging mode	USB-C charging; PC/portable charger; Capable of charging while using
Charging time	90% of full charge in 2.5 hours

Environmental parameters

Working temperature	-10°C to 50°C
IP rating	IP54
Drop	1m drop test
Certification	CE, FCC, RoHS, KC, Anatel, IP54, 1m drop test, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS

Physical parameters

Spotlight	1
Weight	296 g
Size	138 × 89 × 34 mm
Software kit	PC: ThermoLink app iOS/android: Thermography app
Box contents	TC256P Thermal Camera, Rigid protective case, Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Quick Start Guide, Calibration certificate.

ORDERING INFORMATION

Description	Part number
TC256P Pocket Thermal Camera	1016-973
Included Accessories	
Wrist Strap	
Battery charger (including plug adaptors (UK, EU, AU))	
USB-C charging/data cable	
Rigid protective case	
Quick Start Guide	
Calibration certificate	

SALES OFFICE
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