

## 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

# TC256P

## 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 °x48 °
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	USB-C, tripod mounting
Wifi	Wifi connection to the mobile terminal for image and real-time video transmission
<b>Power system</b>	
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
<b>Included Accessories</b>	
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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#### TC256P\_DS\_EN\_V01

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