Raytek Thermal Imager **Ti270** *Pro*

‖Raytek®

- 1 second Power On – No need to wait for many seconds for instrument to be ON
- 256 X 192 pixels (49,152 Thermal Detectors) generates very sharp image with smallest hot spot visible
- One Hand Fast Auto Focus
- With 7mm lens it can measure from 0.5 meters to 10 meters
- Micro Lens Option to measure from 5cm to 20cm like PCB Inspections
- 16 hours Battery operation time with Fast Charging
- Measurement Range -20ºC to 550º C auto scalling – no need to select ranges
- Wifi Generation for Viewing on Mobile APP, Interface Type C interface Type convenient for data transfer and PC screen projection, Radiometric JPEG Images with full thermal Analysis, Research and Reporting Raytek Thermo Tools Software

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Thermal Imaging & Optics

Detector type	:	VOx
Infrared resolution	:	256*192 (49,152 PIXELS)
Wavelength range	:	7.5~14μm
Field angle	:	25° X 19°
Minimum object distance	:	0.5m
NETD	:	<50mK
Infrared frame rate	:	25Hz
Focusing mode	:	Focus-Automaticment and analysis

Temperature Measurement & Analysis

Measurement range	:	-20℃~150℃, 100-550℃ (automatic switching)
Measurement accuracy	:	±2°C or ±2%, whichever is greater
Analyzed target	:	Center temperature measuring ON/OFF
Tracking/alarm	:	Full-screen high/low temperature alarm; Alarm mode: Visual and audio alarm
Temperature measuring	:	Emissivity, reflected temperature, target distance

Image Display

Display screen	:	2.4" LCD
Digital camera	:	2M pixels
Image mode	:	IR, VIS, MIF and PIP
Image adjustment	:	Automatic, semi-automatic, manual
Palette	:	6 pseudo colors such as White Hot, Iron Red, Arctic, Rainbow 2, Hot Iron, Rainbow 1

Storage & Transmission

Storage medium	:	TF card (up to 32G)
Image storage format	:	JPG with temp info
External interface	:	TYPE-C, TF card slot, tripod interface
Laser	:	Class 2 laser, only indicating the measured target
WIFI	:	Yes, it can be connected to the mobile terminal for data transmission

Power System

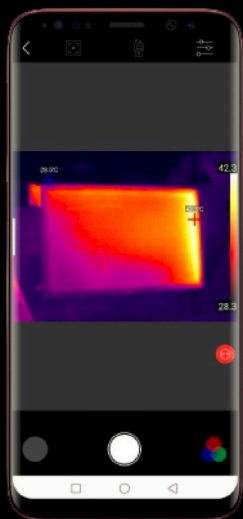|		
Battery type	:	Rechargeable lithium-ion battery, non-removable
Battery working time	:	> 16 H
Power management	:	Automatic shutdown, and adjustable shutdown time from 5 min, 10 min to 20 min
Charging mode	:	TYPE-C charging; PC/portable charger; Capable of charging while using
Charging time	:	90% of full charge in 2.5 hours

Environmental Parameters

Working temperature	:	-15℃~50℃
Storage temperature	:	-40℃~70℃
IP rating	:	IP54
Droptest	:	2m drop test
Certification	:	CE, FCC, ROHS, UN38.3+ air/sea freight, IP54, 2m, damp heat test, shock vibration test, impact test

Physical Parameters

Weight	:	375g
Size	:	194mm*61.5mm*76mm
Software kit	:	Raytek ThermoTools
Standard	:	A device, a 16G TF card, a Quick Product Manual, a USB-TYPEC cable, a wrist strap, an adapter
Optional	:	Tripod

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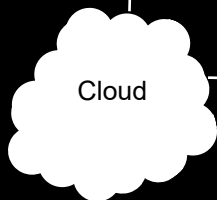Memory Card, C-Type USB, Download
Fully Radiometric JPEG Images.
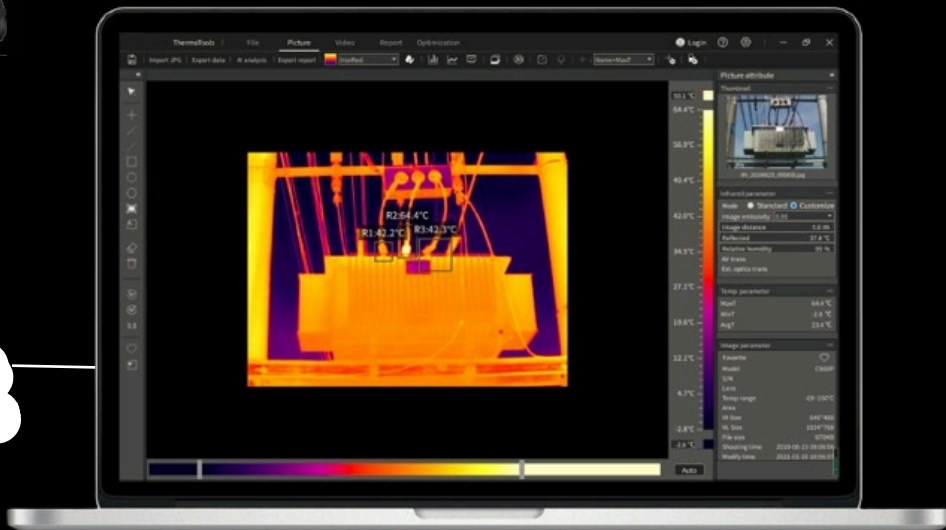Raytek Thremotools full Analysis, Research
and Reporting Software

WiFi

WiFi

Cloud

Sharp Actual Images of Raytek Ti270 Pro

NABL ACCREDITED

ISO 9001:2015 CERTIFIED COMPANY

CE