

# THERMAL IMAGER

PCE-TC 38



- » **infrared image resolution: 384 x 288 pixels**
- » **internal memory for over 40000 images**
- » **image format: JPG**
- » **WiFi image transmission**
- » **5 different colour palettes**
- » **automatic power-off**

Our thermal imager offers reliable temperature measurement within a range from -20 °C to 550 °C (-4 °F to 1022 °F). The infrared images are displayed with a resolution of 384 x 288 pixels on the 3.5-inch colour display. The compact and user-friendly design of the thermal imager features an ergonomic handle and an intuitive key control system directly below the screen for easy operation.

The camera offers multiple colour palettes, including rainbow and iron oxide red, as well as various viewing options to accurately capture thermal data. With a thermal sensitivity of 0.06 °C and an adjustable emissivity of 0.01 to 1.0, even subtle temperature differences can be detected. It saves more than 40000 images in the internal 6 GB memory in JPG format. With a frame rate of 25 Hz, a wavelength range of 8 ... 14 µm and selectable automatic power-off times, this thermal imager is a versatile tool for professional and private users.

The unique feature of this thermal imager is the possibility of a remote connection via a WiFi network, e.g. to a smartphone from which the thermal imager can be set remotely or the recorded thermal images can be saved directly to the end device. Once a smartphone is connected to the thermal imager via WiFi, the corresponding colour palette, emissivity or even the display of the maximum and minimum value can be set remotely.

Specification

Temperature	
Measurement range up to	-20 ... +550 °C
Resolution	0,1 °C
Accuracy	<0 °C: ±3 %   >0 °C: ±2 or ±2 %
Temperature	
Measurement range up to	-4 ... +1022 °F
Resolution	0,1 °F
Accuracy	<32 °F: ±3 %   >32 °F: ±2 °F oder ±2 %

General technical data	
Units	°C, °F
Display type	TFT colour display
Display size	3,5 Inch
Display resolution	640 x 480 pixels
Measuring rate	25 Hz
Storage medium	Internal memory
Storage capacity	6 GB
Memory capacity (additional information)	for approx. 40000 images
Interface	Micro-USB, WiFi
Resolution	Infrared image: 384 x 288 pixels
Operating time	4 h
Automatic power-off from...to	5 ... 20 min.
Automatic power-off can be deactivated	Yes
Emissivity from/to	0.01 ... 1
Wavelength range	8 ... 14 µm
Field of vision (FOV)	28.4° x 21.4°/ 13 mm
Colour palette	Rainbow, Iron, Cold colours, white-black (+inverted)
Image / video format	JPG
Thermal sensitivity	0,06 °C
Menu language	German, English, Italian, Chinese
Protection class (device)	IP20
Power supply	100 ... 240 V AC   50/60 Hz
Connector type	Euro plug
Weight	634 g
Operating conditions	0 ... 45 °C , 0 ... 85 % RH

#### General technical data

Storage conditions -20 ... 60 °C , 0 ... 85 % RH

Capacity 5000 mAh

Dimensions ( L x W x H ) 245 x 97 x 110 mm