

# Thermal Imager Camera PCE-TC 25



## Thermal Imager Camera PCE-TC 25

**Thermal imaging camera for the practitioner in maintenance, servicing and research/ Picture-in-picture function / 33 x 33 Pixel / Save the images as a BMP file**

The PCE-TC 25 thermal imaging camera with built-in digital camera helps detect thermal problems in electrical installations, detect mechanical faults, perform preventive maintenance and save energy. With the simultaneous, congruent display of real and IR image with a resolution of 33 x 33 pixels (picture-in-picture) and the adjustment of the crossfade (0, 25, 50, 75 and 100%), this thermal imaging camera is optimally usable in all applications for which selective temperature measurement is otherwise insufficient.

In addition to the microbolometer for non-contact temperature measurement, the thermal imager has an additional temperature and humidity sensor. With this sensor, the thermal imager also measures the air temperature, humidity, dew point and wet bulb temperature. This additional sensor makes the PCE-TC 25 thermal imaging camera an optional aid in the field of building thermography. The thermal imager can be used optimally to identify thermal bridges, mould, etc. in houses. The images of the thermal imager are stored directly on the micro SD card as a BMP file. The memory of this thermal imager is transferred via the integrated USB interface.

- ▶ Picture-in-picture function
- ▶ 33 x 33 Pixel
- ▶ Additional temperature and humidity sensor
- ▶ Micro USB interface
- ▶ SD card memory
- ▶ LC Display
- ▶ Measures e.g. dew point & humidity
- ▶ Ideal for building inspection

# Specifications

Measuring function	<b>Thermal imaging</b>
Measuring range	-20 ... 380 °C
Resolution	0.1 °C
Accuracy	> 0 °C: ± 2 % / ± 2 °C, < 0 °C: ± 3 °C
Measuring function	<b>Air temperature (AT)</b>
Measuring range	-20 ... 70 °C
Resolution	0.1 °C
Accuracy	± 1 °C
Measuring function	<b>Humidity (RH)</b>
Measuring range	0 ... 100 % r.H.
Resolution	0.1 % r.H.
Accuracy	35 .. 70 % rH: ± 3 % rH, Other: ± 4 % rH
Measuring function	<b>Dew point (DP)</b>
Measuring range	-30 ... 100 °C
Resolution	0.1 °C
Accuracy	± 1 °C
Measuring function	<b>Wet bulb temperature (WBT)</b>
Measuring range	-30 ... 100 °C
Resolution	0.1 °C
Accuracy	± 1 °C
Resolution	Thermal image: 33 x 33 Pixel Real image: 300,000 Pixel
Field of view	32 x 32 °
Frame rate	9 Hz
Focus	0.5 m
Emissivity	0.1 ... 1
Thermal sensitivity	0.15 °C
Spectral range	8 ... 14 µm
Crossfade	Picture-in-Picture stepwise in 25% steps
Memory	Format: BMP Medium: Micro SD card to 8 GB
Interface	USB
Shutdown	Automatic Adjustable: 3, 5, 20 minutes
Power supply	4 x 1.5 V AA batteries
Operating conditions	-5 ... 40 °C / 10 ... 80 % r.H.
Storage conditions	-20 ... 55 °C
Dimensions	195 x 100 x 55 mm
Weight	ca. 295 g

# More information

Manual



More product info



Similar products



Subject to change