

BENNING

TC 30

Thermal Imaging Camera

NEW!
available as of Q2/2024

Easily identify hot and cold spots

Pocket-size thermal imaging camera

- capture of thermal images/videos and visual images
- temperature measuring range: -20 °C to 400 °C
- thermal resolution: 256 x 192 pixels (49,152 pixels)
- thermal sensitivity: < 0.04 °C (40 mK)
- precise visualisation of temperature differences
- 5 image modes (Thermal, Fusion, Visual, PiP (picture in picture), Blending) and 8 colour palettes for displaying the thermal image
- 8 MP camera with 4x digital zoom
- high temperature alarm function
- integrated 16 GB flash memory
- 3.5" (8.9 cm) colour LCD touchscreen
- data transfer to the PC via USB type C
- WLAN and device hotspot for mobile devices



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INFO

Pocket-size thermal imaging camera

with 16 GB memory for images and videos, WLAN, PC software and app*

BENNING TC 30 Thermal imaging camera

- capture of thermal images/videos and visual images
- precise measurement within the range of - 20 °C to 400 °C
- high image quality via 49,152 temperature measuring points
- 5 image modes (Thermal, Fusion, Visual, PiP (picture in picture, Blending) and 8 colour palettes (Ironbow, Rainbow, Rain, White Hot, Black Hot, etc.) for displaying the thermal image
- integrated 8 MP camera with 4x digital zoom
- automatic detection of hot and cold spots
- 3 capture modes: "Capture One Image", "Scheduled Capture" (time interval: 1 s to 60 s) and "Continuous Capture" (1 to 9 images)
- high temperature alarm function (visual/acoustic)
- macro mode for electronic circuits and small objects (macro lens TC 30 required)
- compact design and intuitive operation

PC software "BENNING TC Analyser"

- for analysis and documentation of captured thermal imaging data
- various measuring tools for temperature measurement (point, line, area, delta, ...), 5 image modes, 16 colour palettes and temperature distribution diagrams for easier detection of problem areas
- data transfer via USB-A to USB-C connecting cable
- free download and updates

App "BENNING TC-Image Link"*

- enables camera live view, download, analysis and storage of thermal imaging data on mobile devices
- easy sharing of reports and thermal images directly from the camera location with people and organisations in charge
- data transfer via device hotspot and WLAN



PC software "BENNING TC Analyser"

App "BENNING TC-Link"*



BENNING TC 30
scope of delivery
(050530)

Macro lens
BENNING TC 30
(10237623)

Thermal Imaging Camera

	BENNING TC 30
Display	3.5" colour touchscreen (640 x 480 pixels)
Measuring range / accuracy	- 20 °C to 400 °C / ± (2 °C or 2 % of the measured value)
Radiometric resolution of thermal images	256 x 192 (49,152 pixels)
Thermal sensitivity (NEDT)	<0.04 °C (40 mK) @ 25 °C
Frame rate	25 Hz
Visual image resolution	2 MP, 5 MP and 8 MP
Automatic measurements	MAX, MIN, CENTER temperature
Capture mode	"Capture One Image", "Continuous Capture" (1 to 9 images), "Scheduled Capture" (time interval: 1 s to 60 s)
Screen casting to PC	via USB cable using UVC protocol
Battery / charging	Li-ion battery / charger with USB-C
Flash memory / file format	16 GB / radiometric JPEG (images), MP4 (videos)
Storage capacity	max. 60,000 images or 54 hours of video recording time
Interfaces	USB-C, WLAN, device hotspot
Protection category / drop test height	IP 54 (protection against dust/splash water) / 2 m
Dimensions / weight	144 x 25 x 85 mm / 210 g
Item no.	050530

Scope of delivery

	BENNING TC 30
Scope of delivery	protective pouch, wrist strap, charger with USB-C connecting cable, PC software "BENNING TC Analyser"

Optional accessories

	Art.-Nr.
Macro lens BENNING TC 30 attached lens can be folded and fixed by means of a magnet	10237623

* App in preparation