

Laserliner®

ThermoCamera Compact



Compact thermal imaging camera for applications in construction, electrical engineering and mechanical engineering

Rev.1214



- **High-resolution 2.8" colour display** for reliable evaluation and analysis of temperature conditions
- **Infrared sensor with 80 x 80 pixel** resolution and focusable infrared lens for detailed and varied image analysis
- **Large measuring range from -20 °C to 350 °C**, adjustable emissivity range from 0.01 to 1.0 or selection from material table
- **Analysis** in various image modes:
Full screen: Infrared image, camera
Picture-in-picture: Infrared/visual image
Dual-image: Infrared/camera crossfade
- Selectable standard **colour pallets:** IRON, IRON-INV, RAINBOW, GREY, GREY-INV
- Central measuring point for **temperature analysis** and additional automatic hot/cold spot marking
- **Measured value correction for ambient and reflected temperature** for easy compensation of error effects
- **Built-in USB 2.0 PC interface** for smooth data exchange and additional PC camera function
- Simple and easy to operate thanks to easy-to-access menu buttons

TECHNICAL DATA

IR-SENSOR	80 x 80 measuring points, 25 fps uncooled microbolometer, 8-14µm
IR OPTICS	Germanium interchangeable lens 17° x 17° (FOV) 3,78 mrad (IFOV) adjustable focus 0,5 m - 5 m
THERMAL SENSITIVITY NETD	0,1°C
ACCURACY	±2°C or ±2% of measured value
MEASUREMENT RANGE	-20°C...+150°C LO - RANGE 0°C...+350°C HI - RANGE
DISPLAY	2.8" colour TFT,
IMAGE MODES	Infrared, VIS, Picture-in-picture
IMAGE FUNCTION	1-32x digital zoom,
FORMAT	MPEG-4 standard, max. 1280 x 960 Pixel, 30fps > 60 min. on memory card
MEMORY FUNCTION	Micro-SD-Kartenlaufwerk bis zu 16 GB
LED	White LED, object lighting
TARGET LASER	Laser classe 2 < 1 mW
MENU	Choice of 9 languages
PORTS	USB, micro-SD, video (HDMI), audio, microphone/headphone
PROTECTION CLASS	IP65, drop test 2 m, impact 25 g (IEC60068-2-29), vibration 2 g (IEC60068-2-6)
OPERATING TEMPERATURE	-20°C ... 50°C
STORAGE TEMPERATURE	-40°C ... 70°C
RELATIVE HUMIDITY	10%rH ... 90%rH, no condensation
POWER SUPPLY / CHARGING TIME / OPERATING TIME	Li-Ion pack battery 3.7V/2,6Ah / approx. 4 h / charg. electronic system, DC 5V
DIMENSIONS	97 mm x 77 mm x 244 mm
WEIGHT	0,500 kg (incl. batteries)



2.8" colour display

Target laser for pinpointing

LED object lighting



ThermoCamera Compact

including carrying case

- + Li-Ion battery pack with external charging station and internal adapter
- + Video cable
- + 8 GB micro-SD card with adapter
- + USB cable

Packing dimension (W x H x D)
340 x 275 x 83 mm

ARTICLE	ARTICLE NO	EAN-CODE	PU
ThermoCamera Compact	082.083A	4 021563 692729	1

DISPLAY	2.8" colour TFT	ZOOM	32x	240 x 320 pixel	SENSOR/CAMERA	IR-SENSOR 80 x 80 pixel	640 x 480 pixel	Laser	635 nm	REC	jpg/mp4	micro	USB	IP	54	1/4"	RECHARGE	HARD
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