



Laserliner®

ThermoCamera Compact

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

Rev.12/14



- **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, 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 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 7 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 (W x H x D) 77 x 244 x 97 mm
WEIGHT 0,5 kg (incl. battery pack)



2.8" colour display

Target laser for pinpointing

LED object lighting



ThermoCamera Compact

including carrying case
 + Li-Ion battery pack
 + USB cable
 + Video cable
 + 8 GB micro-SD card with adapter

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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