

Laserliner®

ThermoCamera Compact Plus



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

Rev.1115



- **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, digital image
MIX image: crossfade infrared/digital image
- Selectable standard **colour pallets:**
 IRON, RAINBOW, GREY, GREY-INV
- Central measuring point for **temperature analysis** and additional hot/cold spot measurement
- **Measured value correction for ambient and reflected temperature** for easy compensation of error effects



- **Data storage** on exchangeable micro-SD card
- **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



2.8" colour display

Target laser for pinpointing

LED object lighting

TECHNICAL DATA	
IR SENSOR	uncooled microbolometer, 25 Hz, 8-14 µm
Resolution	80 x 80 pixels
IR OPTICS	germanium infrared lens, FOV 17° x 17°
IFOV	3.78 mrad
Focus	adjustable 0.5 - 10 m
THERMAL SENSITIVITY	NETD 0,1°C @ +30°C
MEASUREMENT RANGE	-20°C...150°C, 0°C...350°C
ACCURACY	±2°C or ±2% of measured value
DISPLAY	2.8" colour TFT
IMAGE MODES	infrared image, digital image, MIX image
IMAGE FUNCTION	1-32x digital zoom
DIGITAL CAMERA	resolution 1.280 x 960 pixels
FORMAT	JPEG format, MPEG-4 standard (30 Hz), max. 1.280 x 960 pixels
MEMORY FUNCTION	micro-SD card up to 16 GB
PORT	mini USB
CONNECTIONS	micro-SD, video (HDMI), audio, microphone/headphone
LED	white LED, object lighting
TARGET LASER	Laser class 2 < 1 mW
OTHER FEATURES	choice of 7 languages
OPERATING TEMPERATURE	-20°C...50°C
STORAGE TEMPERATURE	-40°C...70°C
RELATIVE HUMIDITY	10%rH...90%rH, no condensation
PROTECTION CLASS	IP54
POWER SUPPLY / CHARGING TIME / OPERATING TIME	li-Ion battery pack 3.7V/2.6Ah / approx. 4 h / charg. electronic system, DC 5V
DIMENSIONS (W x H x D)	80 x 230 x 95 mm
WEIGHT	0.5 kg (incl. battery pack)



ThermoCamera Compact Plus

- including carrying case
- + QuickReporting-Software
 - + Li-Ion battery pack with power supply/battery charger and international adapter
 - + USB cable
 - + Video cable
 - + Headphone
 - + 8 GB micro-SD card with adapter
 - + 1/4" tripod connection

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

DISPLAY	2.8" colour TFT	ZOOM	32x	SENSOR/CAMERA	IR-SENSOR 80 x 80 pixel	1.280 x 960 pixel	Laser 635 nm	REC jpg/mp4	micro	USB	LED LIGHT	IP 54	1/4"	RECHARGE	HARD
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Packing dimension (W x H x D)
440 x 370 x 115 mm