

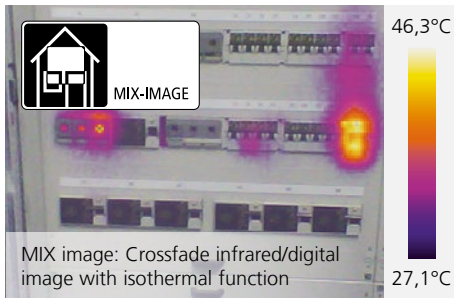
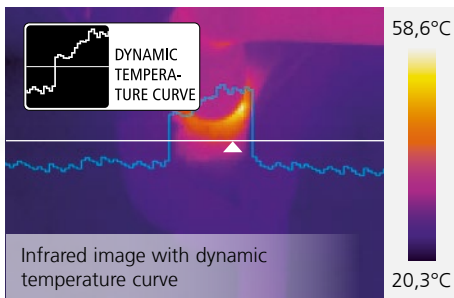
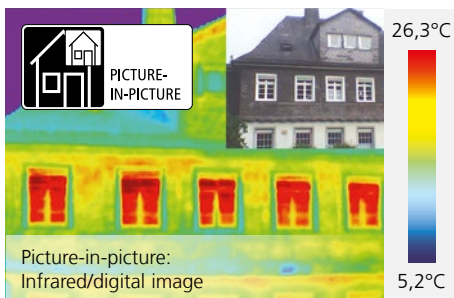
# Laserliner®

## ThermoCamera-Vision



High-resolution thermal camera for professional applications in construction, photovoltaics, electrical engineering and mechanical engineering.

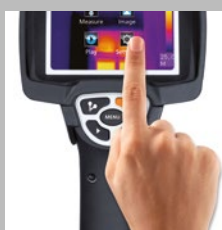
Rev.0314



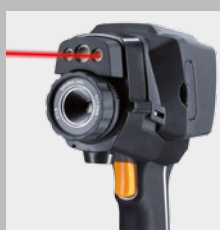
- **Large, high-resolution 3.5" colour display with touch screen** for direct control and analysis
- **160 x 120 pixel infrared sensor** with focusable interchangeable lens (optional) enables detailed and varied image analysis
- 50 fps **high-speed infrared sensor** suitable for fast and dynamic procedures
- **Large measuring range** from -20°C to 400°C
- **QuickRange-Setup** Optimum measurement range set with hot key
- **Analysis** in various image modes:  
**Full screen:** Infrared image, camera  
**Picture-in-picture:** Infrared/camera, camera/infrared  
**Dual-image:** Infrared/camera crossfade
- Standard colour palettes and **CustomColorPalettes**, freely definable user-specific colour palettes
- **Measured value correction** for ambient and offset temperature, relative humidity, measuring distance
- **Extended real-time analysis:**  
 3 measuring points, 2 measuring lines (horizontal/vertical), 3 measuring areas (with min/max/avg calculation)
- Automatic hot/cold point marking and **isothermal function**
- **Image and video recordings** for documentation with additional voice recording and text notes
- **CustomApps** Configuration-optimised templates (apps) for individual applications

### TECHNICAL DATA

<b>IR SENSOR</b> 160 x 120 pixel resolution, 50 fps, uncooled microbolometer, 8-14 µm
<b>IR OPTICS</b> Germanium interchangeable lens, 33° x 24° FOV, 3.33 mrad IFOV, manual focus 0.3 m min.
<b>THERMAL SENSITIVITY</b> 80 mK NETD, 0.08°C
<b>ACCURACY</b> ±2°C or ±2% of measured value
<b>MEASUREMENT RANGE</b> -20°C ... 150°C / 0°C ... 400°C
<b>DISPLAY</b> 3.5" colour TFT touch screen display
<b>IMAGE MODES</b> Infrared, digital, picture-in-picture, MIX image
<b>IMAGE FUNCTION</b> 1-2x digital zoom, rotation 0° - 360°, in steps of 1°
<b>DIGITAL CAMERA</b> Resolution: 640 x 480 pixels
<b>FORMAT</b> JPEG format, max. 640 x 480 pixels, MPEG-4 standard, 640 x 480 pixels, 30 fps
<b>MEMORY FUNCTION</b> Micro-SD card up to 16 GB
<b>LED</b> White LED, object lighting
<b>TARGET LASER</b> Laser classe 2 < 1 mW
<b>PORTS</b> USB, micro-SD, video, audio, microphone/headphone
<b>PROTECTION CLASS</b> IP65, drop test 2 m, impact 25 g (IEC60068-2-29), vibration 2 g (IEC60068-2-6)
<b>POWER SUPPLY / CHARGING TIME / OPERATING TIME</b> Li-Ion pack battery 7.4V / 2.7Ah / approx. 7 hours / approx. 3-4 hours per battery
<b>DIMENSIONS</b> 243 mm x 103 mm x 160 mm
<b>WEIGHT</b> 920 g (incl. battery pack)



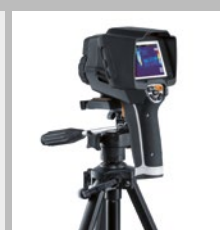
3.5" colour display with touch screen



Target laser for pinpointing



LED object lighting



1/4" tripod adapter



### ThermoCamera-Vision

- including carrying case
- + 2 Li-Ion battery packs with external charging station
- + Power supply/battery charger incl. internal adapter
- + USB cable
- + Video/audio cable
- + Microphone/headphone
- + QuickReporting-Software
- + 4 GB micro-SD card with adapter
- + 1/4" tripod connection
- + Protective case with visor

**Packing dimension** (W x H x D)  
450 x 375 x 125 mm

ARTICLE	ARTICLE NO	EAN-CODE	PU
ThermoCamera-Vision	082.085A	4 021563 684458	1

<b>DISPLAY</b>	TOUCH 3.5" TFT	ZOOM 2x	360°	<b>SENSOR/CAMERA</b>	IR-SENSOR 160x120 pixel	640x480 pixel	Laser 635 nm	2	REC jpg/avi	Micro	USB	LED LIGHT	IP 65	1/4"	RECHARGE 7h	HARD
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