

# Laserliner

## ThermoCamera HighSense Pro



Optimum, high-resolution thermal imaging camera for use in the construction industry, mechanical engineering and electrical engineering – perfect for detailed image analysis

This thermal imaging camera offers an infrared sensor with particularly high resolution for detailed image analysis and optimum visualisation of extremely small temperature differentials. Thanks to its large measuring range, working range and field of vision, it is highly suitable for use in areas such as the construction industry, mechanical engineering and electrical engineering. One-click configuration allows the thermal imaging camera to be configured quickly with the CustomApp function using an extensive range of parameter setups for many different standard applications. Extremely high thermal sensitivity also enables detection of thermal bridges and insulation errors in buildings, analysis of heating systems, location of overheated components, cables and fuses, and identification of defective solar cells in PV modules. The large, easy-to-read 3.5" colour display has a touchscreen for direct operation. Manual focusing ensures perfect image quality at any distance. Analysis can be carried out on infrared, digital or MIX images. By combining digital and infrared images, the MIX image provides an easily comprehensible and comprehensive representation of the temperature profiles. Measured data can be saved to an exchangeable SD card and transferred to a PC via the USB-C interface.

### TECHNICAL SPECIFICATIONS

MEASURED VARIABLE	Infrared temperature
FEATURES	Point Area Line min./max. Temperature range automatic
SCREEN TYPE	3,5" TFT-Display
SENSOR TYPE	uncooled microbolometer
DISPLAY RESOLUTION	640 x 480 pixels
SPECTRAL RANGE	8-14 µm
THERMAL SENSITIVITY (NETD)	50 mK @30°C
MEASURING RANGE INFRARED TEMPERATURE	-20°C ... 150°C, 0°C ... 650°C
ACCURACY INFRARED TEMPERATURE	± 2°C or 2% of measured value
INFRARED TEMPERATURE RESOLUTION	384 x 288 pixels
POWER SOURCE	Li-ion battery pack 3.7V / 2.6Ah
OPERATING TIME	approx. 4 hours
BATTERY RECHARGING TIME	approx. 4 hours
OPERATING CONDITIONS	-15°C ... 50°C, max. humidity 85% rH, no condensation, max. working altitude 2000 m above sea level
STORAGE CONDITIONS	-20°C ... 70°C, humidity 10 ... 99% rH
DIMENSIONS (W X H X D)	95 mm x 230 mm x 112 mm x (incl. batteries)
WEIGHT	530 g (incl. battery pack)

