Laserliner

ThermoCamera HighSense

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 has a high-resolution infrared sensor and allows highly detailed image analysis as well as optimum visualisation of extremely small temperature differentials. It is an extremely versatile product due to the large measuring range: typical applications include the construction industry, mechanical engineering and electrical engineering. One-click configuration allows the thermal imaging camera to be configured quickly in the CustomApp function via extensive parameter setups for a wide range of standard applications. The 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 ideal solution for detailed image analysis and identifying extremely small temperature differentials using high-resolution infrared microbolometer sensors
- Versatile applications in construction work, and electrical and mechanical engineering

TECHNICAL DATA

Measured Variable	Infrared temperature
Features	Point Line Area min./max. Temperature range automatic
Screen Type	3,5" TFT-Display
Sensor Type	uncooled microbolometer
Auflösung IR-Sensor	160 x 120 pixels
Display Resolution	640 x 480 pixels
Spectral Range	8-14 µm
Image Frequency	9 Hz
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	0.1°C
Power Supply	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

SCOPE OF DELIVERY

IR-SENSOR 160 x 120 pixel · 3,5" colour TFT · ZOOM 32x · 640 x 480 pixel · REC jpg/mp4 · micro · DIGITAL CONNECTION · USB-C · IP 54 · 1/4"

Li-Ion Battery · RECHARGE · HARD