



## 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 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



|                                 |                    |             |                    |                |         |                       |       |       |      |
|---------------------------------|--------------------|-------------|--------------------|----------------|---------|-----------------------|-------|-------|------|
| IR-SENSOR<br>384 x 288<br>pixel | 3,5" colour<br>TFT | ZOOM<br>32x | 640 x 480<br>pixel | REC<br>jpg/mp4 | microSD | DIGITAL<br>CONNECTION | USB-C | IP 54 | 1/4" |
| Li-Ion<br>Battery               | RECHARGE           | HARD        |                    |                |         |                       |       |       |      |

### TECHNICAL DATA

|   |   |
|---|---|
| <b>Measured Variable</b>                    | Infrared temperature  |
| <b>Features</b>                             | Point<br>Area<br>Line<br>min./max.<br>Temperature range automatic                                   |
| <b>Screen Type</b>                          | 3,5" TFT-Display  |
| <b>Sensor Type</b>                          | uncooled microbolometer   |
| <b>Auflösung IR-Sensor</b>                  | 384 x 288 pixels  |
| <b>Display Resolution</b>                   | 640 x 480 pixels  |
| <b>Spectral Range</b>                       | 8-14 µm   |
| <b>Image Frequency</b>                      | 9 Hz  |
| <b>Thermal Sensitivity (NETD)</b>           | 50 mK @30°C   |
| <b>Measuring Range Infrared Temperature</b> | -20°C ... 150°C, 0°C ... 650°C  |
| <b>Accuracy Infrared Temperature</b>        | ± 2°C or 2% of measured value   |
| <b>Infrared Temperature Resolution</b>      | 0.1°C   |
| <b>Power Supply</b>                         | Li-ion battery pack 3.7V / 2.6Ah  |
| <b>Operating Time</b>                       | approx. 4 hours   |
| <b>Battery Recharging Time</b>              | approx. 4 hours   |
| <b>Operating Conditions</b>                 | -15°C ... 50°C, max. humidity 85% rH, no condensation, max. working altitude 2000 m above sea level |
| <b>Storage Conditions</b>                   | -20°C ... 70°C, humidity 10%  |

### SCOPE OF DELIVERY



Item No. 082.076A      GTIN (EAN) 4021563719358      SU 1