

## Thermal Imager

### Camera features:

- High sensitivity of detectors and a wide temperature range
- Comprehensive image analysis tools
- Intuitive user interface
- Different imaging modes: IR, MIF, visual, PiP
- Built-in visual camera: 2 Mpx
- Interfaces: USB C type, slot microSD (Max up to 32 GB)
- Laser pointer

### Technical Specifications:

- Detector resolution 120 x 90
- Spectral range 7.5~14  $\mu\text{m}$
- Pixel size 17  $\mu\text{m}$
- Thermal sensitivity 60 mK
- Super resolution : 2x 240 x 180
- Automatic signaling of exceed alarm threshold
- Tripod mountable
- Frame rate: 25HZ
- Fixed focus
- IFOV (standard lens) 7.46 mrad
- Lens (field of view/focal length)- 50° x 38°/2.28 mm
- Display- 2.4", 240 x 320, LCD
- Imaging mode- IR /Visual/PiP/MIF
- Temperature range:
  - 1) Range 1: -20°C...150°C
  - 2) Range 2: 100°C...550°C
- Accuracy  $\pm 2^\circ\text{C}$  or 2% of reading
- Image analysis mode- Point. 3 areas. Temperature indication: min, max. Temp. alarm
- Colour Palettes: 6
- Emissivity coefficient: Adjustable from 0.01 to 1.00 or taken from the material list.
- Photo image format: JPG
- Notes to IR photos: Audio (60 seconds), text, graphic, photo.
- Report module: PDF or word format reports through the software
- Built-in functions: Visual camera 2 MPix, LED torch, laser pointer.
- Interfaces: MicroSD card slot, microUSB C type
- Power supply: Li-Ion battery (operating time >5 hours), built-in charger (charging time <2.5 hour), AC adapter 110-230 V, 50/60 Hz
- Operating temperature: -10°C...50°C
- Storage temperature: -40°C...70°C
- Humidity: 10% ... 95%
- Housing: IP 54
- Weight: approx. 0.35 kg (with battery)