

Thermal Image Camera

A fully radiometric, high-resolution cameras which records temperature at each point of the image. This camera makes shooting professional IR images fast and easy as never before. Everything closed in a durable, water and dust proof casing, small size, and low weight. More features, options, and functions (compass, GPS, IR analyzing functions, Wi-Fi reports printing, others). Additional we offer you fully free, professional but intuitive software for image editing and reports creating.

Feature:

- Visible light digital camera 8MP resolution with LED lamp provides sharp images regardless of lighting conditions
- 5-inch 720P high resolution LCD touch screen for better image clarity and easy operation
- Rotating LCD display up to 270° for easy viewing angle
- Rotating lens detents up to 90° for easy viewing angle
- 35x continuous zoom with auto/motorized focus
- Android based operation system with open platform for various APP developments and convenient program updating
- Powerful onboard analysis and reporting capabilities
- Multiple image presentation including IR visible, PIP and IR blending
- Wi-Fi, Hot spot, Bluetooth, Ethernet, Mini HDMI & USB-C type

Technical Specifications:

- IR resolution 640 x 480 (3,07,200 pixels)
- Temperature range: -40°C to 800°C
- Tripod Mountable
- Spectral range 7.5...14μm
- Process single and multiple hotspots tracing and alarm
- Able to capture both thermal and digital camera image
- Display size 5", 1280x720, HQ touch LCD, with the ability to tilt and rotate 270° independently of the camera & 90° tiltable optical blocks
- Inbuilt super resolution feature with 1280 x 960
- The kit should have panoramic images
- Software compatible with windows
- FOV / focal length - for lenses 24.9° x 18.7°/15mm/F1.0
- Accuracy ±2°C or 2% of reading
- The kit should have view finder with 1280 x 960 LCOS
- Zoom 1 to 35x
- Temperature range selectable
 - Range1: -40 to 150°C
 - Range2: 100 to 800°C
- Auto range option should be available
- GPS, digital compass, LED flashlight and laser pointer with laser distance meter
- Focus auto/manual
- Thermal sensitivity 0.040°C or 40mK

- Colour Palette 10
- Real image 5MP & 8MP (Selectable)
- InfraFusion IR image/Visual image/PIP/MIF (combined)
- IR video LAN 1 Gb/s, mini-HDMI, Wi-Fi
- 16 points, 16 lines, 16 areas. Temperature indication: min, max, average. Isotherm. Temperature alarm. Smart stroke.
- Emissivity regulation 0.01..1
- Internal Memory of 64 GB & External memory Removable SD card (64 GB)
- Picture files format JPG or raw data
- Video files format MP4 & irgd (with temperature data)
- add voice and text notes, draw graphical symbols on images
- PC interface SD card, LAN 1 Gb/s, mini-HDMI, micro-USB 2.0, Wi-Fi
- saving IR images and videos to SD card or directly to a PC
- Power from rechargeable batteries Li-ion battery (work time >4 hours)
- The kit can be able to operate through charger also.
- Built-in charging
- Software full, free
- Working temperature 15°C to 35°C
- Storage temperature -40°C to 70°C
- Humidity 10% to 95%, without condensation
- Vibrations 2G, IEC 60068-2-6
- Shock 25G, IEC 68-2-29
- Ingress protection according EN 60529: IP 54
- Dimensions 206 x 145 x 135 mm
- Weight (kg) 1,4 kg (2,9 lbs.)
- Possibility to create reports on the device and printing on a Wi-Fi printer.