



V88-T

Gas Detection

Introducing the New Gas Detection Camera from SATIR, following on from the V-Series range we have re-designed the new camera to improve the performance of the camera in terms of operation and ergonomics.

The V88-T has been designed with a new platform that enables easy operations and control of the camera, we still incorporate both normal and gas mode operation for gas detection and normal inspection.



Key Features

- Various Gases can be detected
- Built-in 16MP HD Digital Camera
- Recorded fully radiometric IR-Video with temperature data
- High Gas detection Sensitivity
- Laser Positioning
- Temperature Measurement
- Android Platform



V88-T Specifications

| | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera Name | V88-T |
| Image Performance | |
| Detector Resolution | 320x256 |
| Detector Type | Cooled Hot Class II Superlattice Detector |
| Thermal Sensitivity (N.E.T.D) | 0.015°C@30°C |
| Digital Zoom | 1X-8X |
| Responsivity | 0.001 ml/s |
| Spatial Resolution | 1.3mrad |
| FOV | 24.5°x 20° |
| Frame Frequency | 25Hz |
| Focus Mechanism | Auto/Manual |
| Spectral Range | 3.2 ~3.5 μm |
| Start -up Time | ≤5min |
| Image Presentation | |
| Digital Camera | 16MP Digital Camera |
| Output | HDMI |
| External Display | Built-in 5.5 inch Capacitive Display |
| View Finder | Built-in 0.49 inch OLED 1920x1080 |
| Palette | 11 Palettes (Normal / Gas mode (5 levels)) |
| Temperature Measurement | |
| Temperature Range | -20°C ~ + 350°C |
| Accuracy | ±1°C or ±1% |
| Analysis | Automatic Tracking max/ with temperature data |
| Emissivity Correction | Variable from 0.01 to 1.0 |
| Data Storage | |
| Type | 64GB TF Card |
| Video Storage | AV Recording of 16 bit fully radiometric IR-video to SD-card |
| Video Format | IRV: 16-bit full-motion infrared video stream containing all temperature data Standard video format: 16-bit full-motion infrared video stream without temperature data |
| Image Format | JPG format with temperature data (infrared)/ Standard JPG Format (Visible) |
| Power System | |
| Battery Type | Li-ion Battery, 8.4V, 6800mAh |
| Battery Life | ≥3hours (Room Temperature) |
| Charging System | 2 Bay Intelligent Charger (Optional: External Power Cable) |
| Physical Characteristics | |
| Weight (includes battery) | ≤3kg |
| Dimensions | 311mmx196mmx195mm |
| Environmental Specification | |
| Storage Temperature Range | -40°C to +70°C |
| Operating Temperature Range | -20°C~50°C |
| Humidity | 10%~95%, non-condensing |
| Encapsulation | IP54 |
| Shock | Shock 30G |
| Vibration | 2.5G |
| Additional Features | |
| Optional Lens | 6°, 11°, 48° |
| Laser Pointer | Class 2 |
| Laser Range | 10-1200 metres |
| GNSS | GPS/GLONASS/BeiDou |
| Wi-Fi | Yes |
| Bluetooth | Yes |
| 4G | Yes |
| Audio | MIC, SPK |
| Gas Detection Type | |
| Gas Detected | Benzene, Ethanol, Ethylbenzene , Heptane, Hexane , Isoprene, Methanol, MEK, MIBK, Octane, Pentane,1-Pentene, Toluene, Xylene, Butane, Ethane, Methane, Propane, Ethylene, Propylene |

Please be aware specifications can vary from time to time