



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