



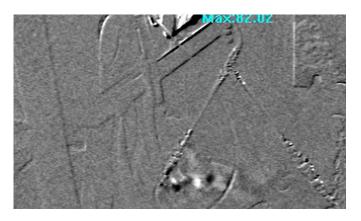
V80-T

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 V80-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

- 640x480 IR Detector
- SF6 Gas Detection
- Built-in 5MP HD Digital Camera
- 10 Colour Palettes
- High Gas detection Sensitivity
- IR/Digital/Duo-vision/Duo-vision Plus/PiP

SATIR V80-T Specifications

Camera Name	V80-T
Image Performance	
Detector Resolution	640x480
	Cooled Quantum Well FPA
Detector Type	
Thermal Sensitivity (N.E.T.D)	0.015°C@30°C
High Sensitivity Level	7 levels in high sensitivity rapid monitoring mode
Digital Zoom	1X-8X
Responsivity	0.001 ml/s
Spatial Resolution	0.39mrad
FOV	15°x 11.25°
Frame Frequency	60Hz
Focus Mechanism	Auto/Manual
Spectral Range	
	10.3 ~10.8 μm
Super Resolution	Yes
Start -up Time	≤7min
Image Presentation	
Digital Camera	5 Megapixels CMOS, with LED
Output	HDMI
Display Screen Image Mode	5.8 inch Capacitive Touch Screen IR/Digital/Duo-vision/Duo-vision Plus/ Picture in Picture
View Finder	HD 0.6" color OLED, with zooming function
Palette	10 colour palettes including Iron Red/Grey/Inverted Iron Red/Inverted Grey
Thermal Image Adjustment Text Annotation	Auto/Manual Yes
Voice Annotation	Yes
Temperature Measurement	
Temperature Range Accuracy	-40°C ~ + 500°C ±2°C or ±2%
Analysis Emissivity Correction	10 spots, 10 area boxes, 5 lines, auto-hot/auto-cold/average, Isotherm Variable from 0.01 to 1.0
Optical Transmission Correction	Manual/Auto
Atmospheric Transfer Correction	Auto
Data Storage	
Туре	32GB SD Card
Video Storage	H.264 video/fullly radiometric IR-video to SD card
Thermal Image Format	.jpg/.png
Visual Image Format	.jpg/.png
Power System	
Battery Type	Rechargeable Li-ion Battery
	≥2.5hours
Battery Life Charging System	≥2.5nours 2 Bay Intelligent Charger
Power Supply	DC 12V 5A
Power Management	Supports Sleep Mode
Physical Characteristics	
Weight (includes battery)	2.5kg
Dimensions	297.4x198x179.9 mm
Tripod Mounting	UNC1/4-20
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	2G

Please be aware specifications can vary from time to time

SATIR V80-T Specifications

Gas Detection	
Gas Detected	Sulphur Hexafluoride, Acetyl Chloride, Acetic Acid, Allyl Bromide, Allyl Chloride, Allyl Fluo-
	ride, Ammonia (Nh3), Bromomethane, Chloride Dioxide, Ethyl Cyanoacrylate, Ethylene,
	Furan, Hydrazine, Methyl silane, Methyl Ethyl Ketone, Vinyl Cyanide, Methyl, Vinyl Ketone,
	Propene, Tetrahydrofuran, Vinyl Ether, Trichloroethylene, Uranyl Fluoride, Vinyl Chloride,
	Propenal
Additional Features	
Optional Lens	24°
Laser Pointer	Class 2
Laser Range	10-1200 metres
Laser Range Distance	40m
Wi-Fi	Yes
GPS	Yes
Bluetooth	Yes
4G	Yes
Alarm	Yes
USB	Yes