

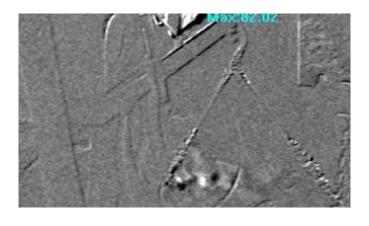
V80-P

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-P 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

- 320x256 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



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Camera Name	V80-P
Image Performance	
Detector Resolution	320x256
Detector Type	QWIP
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	14.5°x 10.8°
Minimum focal length	0.5m
Frame Frequency	50Hz
Focus Mechanism	Auto/Manual
Spectral Range	10.3 ~10.8 μm
Super Resolution	Yes
Start -up Time	≤7min
Image Presentation	
Digital Camera	5MP Digital Camera, with LED
Output	HDMI
Display Screen	5.8-inch Capacitive Touch Screen
Image Mode	IR/Digital/Duo-vision/Duo-vision Plus/ Picture in Picture
View Finder	Built-in HD 0.6" color OLED, 1024x768 pixels
Palette	10 colour palettes including Iron Red/Grey/Inverted Iron Red/Inverted Grey
Thermal Image Adjustment	Auto/Manual
Text Annotation	Yes
Voice Annotation	Yes
Temperature Measurement	
Temperature Range	-20°C ~ + 410°C
Accuracy	±2°C or ±2%
Analysis	10 spots, 10 area boxes, 5 lines, auto-hot/auto-cold/average, Isotherm
Emissivity Correction	Variable from 0.01 to 1.0
Optical Transmission Correction	Manual/Auto
Atmospheric Transfer Correction	Auto
Data Storage	22CD CD Cond
Type Video Storage	32GB SD Card H.264 video/fully radiometric IR-video to SD card
Thermal Image Format	.jpg/.png
Visual Image Format	.jpg/.png
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Power System	Dochargoohlo Li ian Dattony
Battery Type	Rechargeable Li-ion Battery
Battery Life	≥2.5hours
Charging System	2 Bay Intelligent Charger
Power Supply	DC 12V 5A
Power Management	Supports Sleep Mode
Physical Characteristics	3.Flv
Weight (includes battery) Dimensions	2.5kg 297.4x198x179.9 mm
Tripod Mounting	UNC1/4-20
Environmental Specification	OHOLY T LO
Storage Temperature Range	-40°C to +70°C
Operating Temperature Range	-20°C~50°C
Humidity	10%~95%, non-condensing
Encapsulation	IP54
Shock	Shock 25G
Vibration	2G



Please be aware specifications can vary from time to time

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S/TIR V80-P Specifications

Gas Detection	
Gas Detected	Sulphur Hexafluoride, Acetyl Chloride, Acetic Acid, Allyl Bromide, Allyl Chloride, Allyl Fluoride, 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	7°/30°
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



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