

SATIR V Series

High Performance Infrared Gas Detection Camera

Introducing the V Series range of infrared gas detection cameras from SATIR. Using the QWIP Detector, which provides a detailed image for both thermal and gas applications.

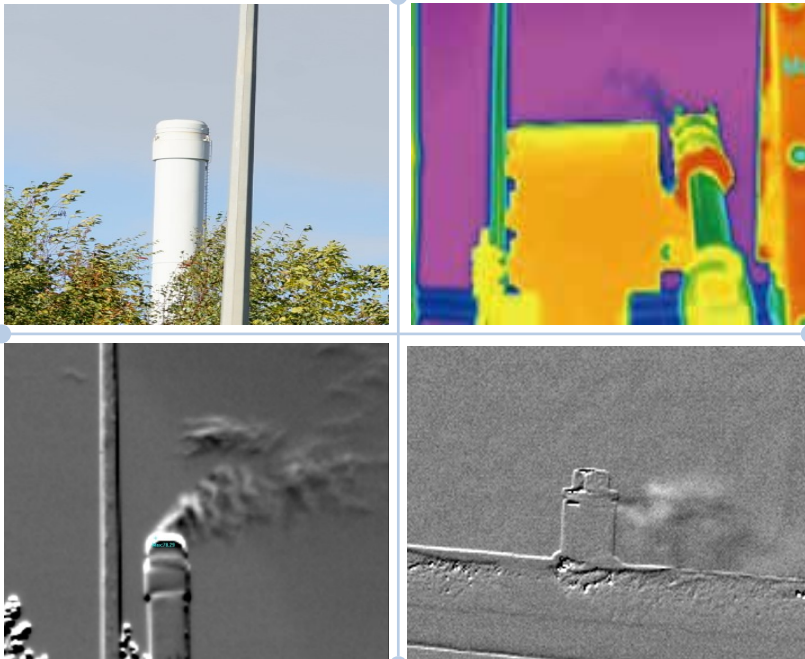
It's multi-functional detection mode works as a gas detector but also as a high end thermal camera. Giving the operator different modes to detect areas of concern.

The V Series is ideal for all industries where escape of gases need to be detected quickly and easily to ensure the facility is working to it optimum performance



Features

- Various Gases can be detected
- 3.5 inch LCD Touch Screen
- Built-in HD Digital Camera
- Recorded fully radiometric IR-Video with temperature data
- Leak Detection operations without any auxiliary
- High Gas detection Sensitivity
- Laser Positioning
- Temperature Measurement
- Voice Recording
- Ex Certification (V90 Model)



Product Display may Vary



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Camera Name	V80	V90
Image Performance		
Detector Resolution	320X256	
Detector Type	Cooled QWIP detector	
Thermal Sensitivity (N.E.T.D)	0.015°C@30°C	
Responsivity	0.001ml/s	
Spatial Resolution	0.6mrad	
FOV	24°X18 / 11°X 8.8°	
Minimum Focus Distance	0.3m	
Frame Frequency	50Hz	
Focus Mechanism	Manual/Automatic	
Spectral Range	10.3~10.7um	3.2 ~3.5um
Start-up Time	≤7min	
Temperature Measurement		
Temperature Range	-20°C ~ + 350°C	
Accuracy	±2°C or ± 2% of readings	
IR Video Storage (No need for laser)		
IR-Video	Recording of 16 bit fully radiometric IR-Video to SD-Card	
Laser		
Type	Class 2, red	
Laser Point	Laser point displayed on the IR Image and showed its temperature	
Image Storage		
Voice annotation	60 sec of digital voice clip stored together with the image	
Text annotation	Stored together with the image	
Built-in Memory	1G, stores more than 4000 images	
Removable SD Card	32G (stored more than 4 hours IR-Video)	
Physical Characteristics		
Weight (Includes Battery)	≤2.4kg	
Camera Size	292x148x138 (mm)	
Environmental Specification		
Operating temperature range	-20°C~50°C	
Storage temperature range	-40°C ~70°C	
Humidity	10%~95%, non-condensing	
Encapsulation	IP54, IEC 529	IP65
Shock	25G,IEC68-2-99	
Vibration	2.5G,IEC68-2-6	
Interfaces		
USB2.0	Image (thermal & visual) temperature measurement, voice and text transferred to PC	
Gas Detection Type		
Gas Types	Sulfur Hexafluoride, Acetyl Chloride Acetic Acid, Allyl Bromide, Allyl Chloride, Allyl Fluoride, Ammonia (NH3),Bromomethane, Chloride Dioxide, EthylCyanoacrylate,Ethylene, Furan, Hydrazine Methylsilane, Methyl Ethyl Ketone ,Vinyl Cyanide, Methyl Vinyl Ketone, Propene, Tetrahydrofuran, Vinyl Ether. Trichloroethylene, Uranyl Fluoride,Vinyl Chloride, Propenal	Benzane, Ethanol, Ethylbenzene, Heptane, Hexane, Isoprene, Methanol, MEK, MIBK, Octane, Pentane, 1-Pentene, Toluene, Xylene, Butane, Ethane, Methane, Propane, Ethylene, Propylene,