

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.

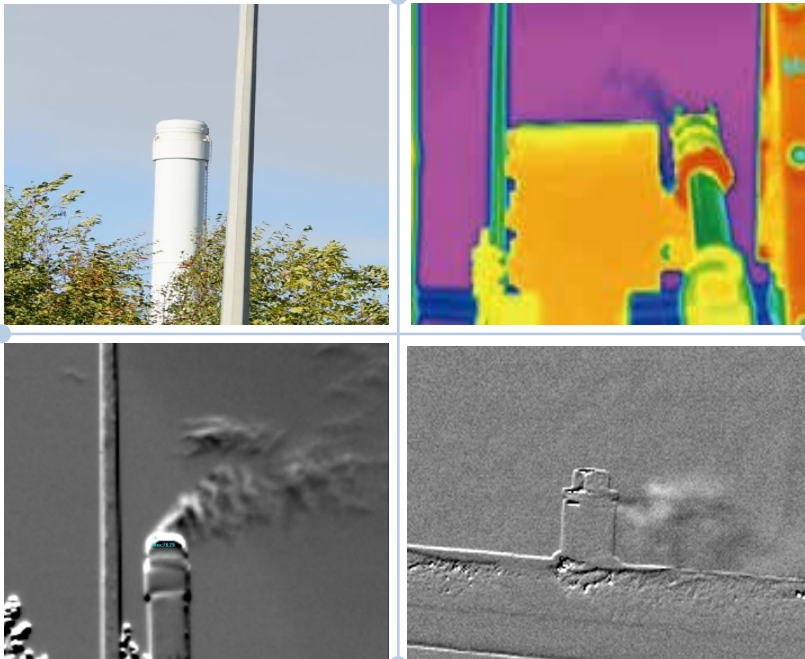
It's multi-functional detection mode works as a gas detector but also as a high end thermal camera. Giving the operator different modes to detect areas of concern.

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



Product Display may Vary

Marley's Business Park, Marley's Lane, Drogheda, Co. Louth, Ireland

Tel: + 353 (41) 9846786

Email: enquiry@satir.com

Website: www.satir.com

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		
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, Touluene, Xylene, Butane, Ethane, Methane, Propane, Ethylene, Propylene,	