



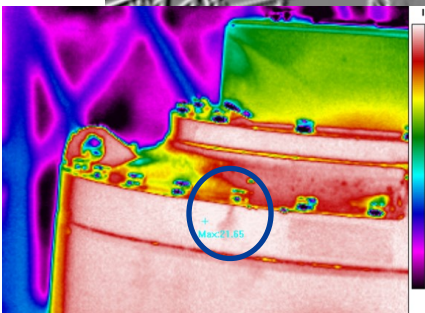
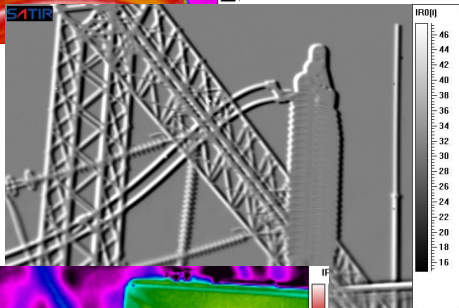
V-Series Gas Detection

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.

Unlike the standard Sniffer which has been used for many years, the V series can easily, allow the user to identify a leak and track the leak to the source.

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.



Key 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
- High Gas detection Sensitivity
- Laser Positioning
- Temperature Measurement
- Voice Recording
- Ex Certification (V90 Model)



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	
Digital Zoom	1X-8X	
Responsivity	0.001 ml/s	
Spatial Resolution	0.6mrad	
FOV	11°x 8.8° / 24°x 18°	
Frame Frequency	50Hz (PAL) / 60 Hz (NTSC)	
Focus Mechanism	Auto/Manual	
Spectral Range	10.3~10.7µm	3.2 - 3~5 µm
Start -up Time	≤7min	
Image Presentation		
Digital Camera	5MP Digital Camera	
Output	AV	
External Display	3.5 LCD Screen	
View Finder	Built-in TFT LCD with High Resolution (800x600pixels)	
Palette	8 Palettes	6 Palettes
Temperature Measurement		
Temperature Range	-20°C ~ + 350°C	
Accuracy	±2°C or ± 2% of readings	
Analysis	Automatic Tracking max/ with temperature data	
Emissivity Correction	Variable from 0.01 to 1.0	
IR Video Storage		
Voice & Text Annotation	Yes	
Internal Memory	1GB	
Removable SD Card	32GB	
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	JPEG/IMA format, with temperature measurement data stream	
Power System		
Battery Type	Li-ion, rechargeable, field replaceable	
Battery Life	≥2.5 hours	
Charging System	Dual Bay Charger Optional: External power cable)	
Laser		
Type	Class 2, Red	
Laser Point	Laser Point Laser point displayed on the IR Image and showed its temperature	
Physical Characteristics		
Weight (includes battery)	≤2.40kg	
Dimensions	292mmx140mmx138mm	
Environmental Specification		
Storage Temperature Range	-40°C to +70°C	
Operating Temperature Range	-20°C~50°C	
Humidity	10%~95%, non-condensing	
Encapsulation	IP54, IEC 529	
Shock	Shock 25G,IEC68-2-99	
Vibration	Vibration 2.5G,IEC68-2-6	
Gas Detection Type		
Gas Detected	Sulfur Hexafluoride, Acetyl Chloride, Acetic Acid, Allyl Bromide, Allyl Chloride, Allyl Fluoride, Ammonia (Nh3), Bromomethane, Chloride Dioxide, Ethyl Cyanoacrylate , Ethylene, Furan, Hydrazine, Methylsilane, Methyl Ethyl Ketone, Vinyl Cyanide, Methyl-Vinyl Ketone, Propene, Tetrahydrofuran, Vinyl Ether, Trichloroethylene, Uranyl Fluoride, Vinyl Chloride, Propenal	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