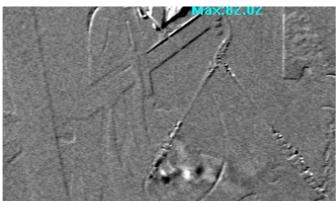# V80-T
Gas Detection

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

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

Tel:+353(41)9846786
Email:enquiry@satir.com
Website:www.satir.com

V80-T Specifications

Camera Name	V80-T
Image Performance	
Detector Resolution	640x480
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°x 10.5°
Frame Frequency	30Hz
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	
Type	32GB SD Card
Video Storage	H.264 video/fully radiometric IR-video to SD card
Thermal Image Format	.jpg/.png
Visual Image Format	.jpg/.png
Power System	
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	
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 25G
Vibration	2G

Please be aware specifications can vary from time to time

V80-T   Specifications

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

Please be aware specifications can vary from time to time