Manuals+ — User Manuals Simplified.

SATIR V80-T
Gas
Detection
Camera

SATIR V80-T Gas Detection Camera Owner's Manual

Contents

SATIR V80-T Gas Detection Camera

Product Usage Instructions

Turning On/Off the Camera

To turn on the V80-T camera, press and hold the power button for a few seconds until the screen lights up. To turn it off, press and hold the power button again until the screen goes dark.

Questions (FAQ)

Q: How do I charge the battery?

A: Use the provided 2 Bay Intelligent Charger and connect it to a DC 12V 5A power supply. Insert the battery into the charger and ensure it is securely in place. The battery will start charging automatically.
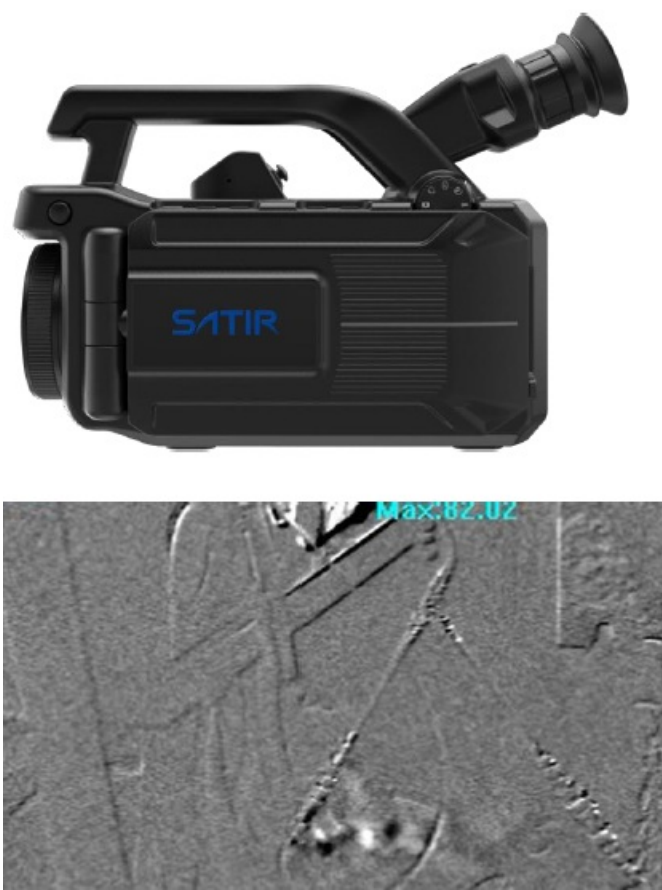
Gas Detection

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

- 640×480 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

V80-T Specifications

Camera Name	V80-T
Image Performance	
Detector Resolution	640×480
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, 1024×768 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

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

Documents / Resources

[**SATIR V80-T Gas Detection Camera**](#) [pdf] Owner's Manual
V80-T, V80-T Gas Detection Camera, Gas Detection Camera, Detection, Camera

References

- [**User Manual**](#)