



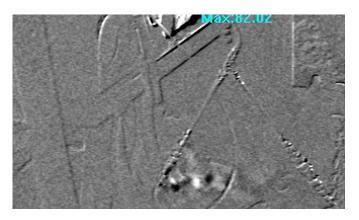
### V80-T

#### **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

# **SATIR** V80-T Specifications

| Camera Name                     | V80- <b>T</b>  |
|---------------------------------|--|
| Image Performance               | V 00-1   |
|                                 |  |
| Detector Resolution             | 640x480  |
| Detector Type                   | QWIP   |
| Thermal Sensitivity (N.E.T.D)   | 0.015°C@30°C   |
| 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  |
| Start -up Time                  | ≤7min  |
| Image Presentation              |  |
| Digital Camera                  | 5MP Digital Camera   |
| 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 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                    |  |
| Туре                            | 32GB SD Card   |
| Video Storage                   | H.264 video/fullly 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<br>Shock          | IP54<br>Shock 25G  |
| Vibration                       | 2G   |
|                                 | 20   |

Please be aware specifications can vary from time to time



# SATIR 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            |