

# GAS DETECTIR VOC

The Gas DetectIR VOC is an ATEX certified explosion proof infrared camera capable of delivering the optimum solution for the detection of methane and other organic gases. Its Type II MWIR cooled detector displays 320 x 256 pixels on a rotatable 4.3" (640 x 480) LCD screen and tilt-able high resolution viewfinder for higher resolution imaging. Easy to use interface allows for intuitive operation. The Gas DetectIR VOC has 60 seconds of voice annotation, which is stored together with the image. Additionally, it is compact and portable, enabling users to quickly pinpoint the failure and give clear vision of leaking gases. Includes ICI Reporting Software.

## Features

- Unmatched gas detection
- ATEX certified - explosion proof
- Detects over 18 gases
- Multiple video output options
- Rotatable 4.3", 640 x 480 LCD screen
- Tiltable high-definition viewfinder
- 60 Seconds voice annotation per image
- Compact / Portable

## Gases Detected

- |                           |                        |
|---------------------------|------------------------|
| • Benzene - 3.5 g/hr      | • Xylene - 1.9 g/hr    |
| • Ethanol - 0.7 g/hr      | • Butane - 0.4 g/hr    |
| • Ethylbenzene - 1.5 g/hr | • Ethane - 0.6 g/hr    |
| • Heptane - 1.8 g/hr      | • Methane - 0.75 g/hr  |
| • Hexane - 1.7 g/hr       | • Propane - 0.4 g/hr   |
| • Isoprene - 8.1 g/hr     | • Ethylene - 4.4 g/hr  |
| • Toluene - 3.8 g/hr      | • Propylene - 2.9 g/hr |
| • Methanol - 3.8 g/hr     | • MIBK - 2.1 g/hr      |
| • MEK - 3.5 g/hr          | • Octane - 1.2 g/hr    |
| • Pentane - 3.0 g/hr      | • 1-Pentene - 5.6 g/hr |

## Options & Accessories

- ICI Reporting Software
- Windows 32-bit SDK
- Linux SDK (x86, x64 and ARM)

## Specifications

- **Detector Array:** Custom
- **Focus:** automatic / electronic
- **Pixel Resolution:** 320 x 240
- **Spectral Band:** 3  $\mu$ m to 5  $\mu$ m
- **Thermal Sensitivity (NETD):** < 0.014  $^{\circ}$ C at 30  $^{\circ}$ C (14 mK)
- **Frame Rate:** 50 Hz - 60 Hz
- **Dynamic Range:** 16-bit
- **Temperature Range:** -20  $^{\circ}$ C to 350  $^{\circ}$ C
- **Operation Range:** -40  $^{\circ}$ C to 45  $^{\circ}$ C
- **Storage Range:** -40  $^{\circ}$ C to 70  $^{\circ}$ C
- **Humidity:** 5% to 95% non-condensing
- **Accuracy:**  $\pm$  1  $^{\circ}$ C
- **Pixel Operability:** > 99 %
- **Dimensions (without lens):** 292 mm x 140 mm x 146 mm (L x W x H  $\pm$  .5 mm)
- **Power:** 12V DC/ AC adapter
- **Battery:** Li-ion, rechargeable, replaceable
- **Operation Time:**  $\geq$  3 Hours
- **Start Up Time:**  $\leq$  5 minutes
- **Weight:**  $\leq$  3 kg
- **Interface:** USB 2.0
- **Video:** S-video / HDMI
- **Image Storage:** SD Card up to 32 GB
- **Emmissivity Correction:** 0.1 to 1.0
- **Screen:** 4.3", LCD screen
- **Digital Camera:** 5 MP
- **Zoom:** 1x - 8x Continuous
- **Voice Annotation:** 60 seconds per image
- **Protection:** ATEX - explosion proof
- Built in shutter
- **ICI IR Flash Software Requirements:**  
**Processor:** i5 or above  
**RAM:** 4 GB or above  
**OS:** Windows 8/8.1/10  
**Hard Drive:** 256 GB or above



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