

ICI | Gas DetectIR VOC



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We are IR™

ICI | Gas DetectIR VOC

The Gas DetectIR VOC infrared gas leak camera is capable of delivering the optimum solution for the detection of methane and other organic gases. Its Type II MWIR cooled detector displays 320x256 pixels on a rotatable 4.3" (640x480) 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
- Detects over 18 Gases
- Multiple Video Output Options
- Rotatable 4.3" (640x480) LCD screen
- Tilt-able High-Definition Viewfinder
- 60 Seconds Voice Annotation per Image
- Rechargeable (12 V DC/ AC)
- Compact / Portable
- Includes ICI Reporting Software

Specifications

- **Detector Array:** Custom
- **Pixel Resolution:** 320x240
- **Spectral Response:** 3 μm to 5 μm
- **Thermal Sensitivity (NETD):** < 0.014 $^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$ (14 mK)
- **Frame Rate:** 50 Hz to 60 Hz P-Series
- **FOV:** 11 $^{\circ}$ x 8.8 $^{\circ}$
- **Dynamic Range:** 16-bit
- **Temperature Range:** -20 $^{\circ}\text{C}$ to 350 $^{\circ}\text{C}$
- **Operation Range:** -40 $^{\circ}\text{C}$ to 45 $^{\circ}\text{C}$
- **Storage Range:** -40 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$
- **Accuracy:** ± 1 $^{\circ}\text{C}$
- **Pixel Operability:** > 99 %
- **Dimensions (with lens):** 146 x 140 x 292 mm (H x W x D $\pm .5$ mm)
- **Encapsulation:** IP 54, IEC 529
- **Video Output:** S-video / HDMI
- **Weight:** ≤ 3 kg including Battery
- **Battery:** Li-ion, 12V DC/ AC Adapter Rechargeable, Replaceable
- **Operation Time:** ≤ 3 Hours
- **Zoom:** 1-8x Continuous
- **Interface:** USB 2.0
- **Image Storage:** SD Card up to 32 GB
- **Voice Annotation:** 60 seconds per image
- **Screen:** 4.3", LCD Screen
- **Focus:** Automatic / Electronic
- **Start Up Time:** ≤ 5 minutes
- **Digital Camera:** 5 MP

Detectable Gases

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



Software Options

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

