

ICI | Gas DetectIR LW



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We are IR™

ICI | Gas DetectIR LW

The Gas DetectIR LW infrared camera is a high performance thermal imager capable of visualizing and accurately pinpointing the source of SF6 and other uncontained gases. Features an HD OLED tiltable viewfinder with a rotatable 4.3" (640x480) LCD screen. The camera is light weight, making it great for remote or convenient on-site observation. The Gas DetectIR LW gas camera is rechargeable with 3 hours of continuous operation as well as USB 2.0 charging. HDMI video Output and 60 seconds of voice annotation per image makes report creation a breeze. Includes ICI Reporting Software.



Features

- Unmatched Gas Detection
- Detects over 15 Gases
- 60 Seconds Voice Annotation per Image
- Multiple Video Output Options
- Rotatable 4.3" (640x480) LCD screen
- Tiltable High-Definition Viewfinder
- Rechargeable Battery (12 V DC/AC)
- Compact / Portable
- Includes ICI Reporting Software

Specifications

- **Detector Array:** Cooled QWIP
- **Pixel Resolution:** 320x240
- **Spectral Band:** 8 μm to 14 μm
- **Thermal Sensitivity (NETD):** < 0.02 $^{\circ}\text{C}$ at 30 $^{\circ}\text{C}$ (20 mK)
- **Frame Rate:** 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:** $\pm 1^{\circ}\text{C}$
- **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, 12 V 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

- Sulfur hexafluoride
- Ammonia
- Ethyl cyanoacrylate
- Chlorine Dioxide
- Acetic Acid
- Methyl Ethyl Ketone
- Ethylene
- Acetyl chloride
- Methyl silane
- Acrolein
- Propylene
- Allyl fluoride
- Trichlorethylene
- Uranyl fluoride bromide
- Vinyl Chloride
- Acrylonitrile
- Vinyl ether

Lens & Software Options

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

