ICI | INFRARED CAMERAS INC

LIGHTWEIGHT GAS DETECTION CAMERA

UNCOOLED GAS DETECTION + TEMPERATURE MEASUREMENT

Featuring a wide temperature range, the G-Cam 106 is ideal for petroleum, chemical, natural gas, and electric power industries to routinely inspect as well as maintain equipment, prevent accidents and protect the environment. Enable the center/hot/cold spot temperature points and alarming features to assist in detecting costly gas leaks. Stream media to a PC using the USB Type-C connector. The G-Cam 106 is easy to use and has reliable performance. Cloud services also offered.
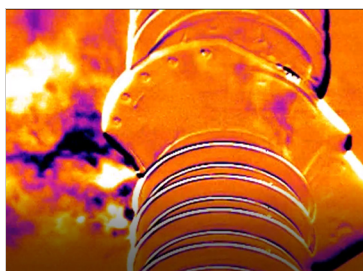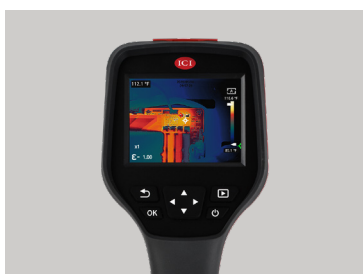
G-Cam 106

LONG LASTING SF6 DETECTION

The highly sensitive G-Cam 106 has an uncooled VOx detector designed specifically to detect SF6 and other gases. Each G-Cam 106 ships with two rechargeable, replaceable 4500 mAh batteries and a charging dock to meet the requirements of heavy daily use. Power management is built-in to conserve battery life.

HI-RES THERMAL IMAGES

Provides 640 x 512 high resolution thermal images. Captures visible images with 5 MP digital camera. Features 5 image modes: detail enhancement, picture-in-picture, visible, infrared and ICI Dual Vision for situational awareness and target location. 10 color palettes to enhance viewing and easily find hot spots. Save images to the provided MicroSD card.

EASY TO USE

Quick start instruction guide provided. No additional training required. One-handed, 5-button easy operation for fast inspections. Use handheld or on a tripod. Features a 3.5" LCD high definition (640 × 480) capacitive touch screen with adjustable screen brightness for on the spot analysis. Also utilize the Type-C connector to plug-and-play streaming to an external device.

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G-CAM 106

Industry

The G-Cam 106 handheld gas imager provides clear vision of SF6 and other dangerous gases. Measuring up to up to 550°C (1022°F), the imager has an accuracy of ± 2°C (± 3.6°F) or ± 2%. Obtain sharp 640 x 512 resolution images with manual focus and stream media to a PC using the USB Type-C connector. Features tools for performing analysis on-the-go making it ideal for the petroleum, chemical, natural gas and electric power industries. Cloud services offered.

Features

- Touchscreen, 3.5" color LCD
- Central spot, hot spot and cold spot tracing
- Customized point/line/area temperature analysis
- Click-and-drag temperature measurement
- Single-handed operation with 5-button design
- High-temperature measuring
- Alarm threshold settings
- Automatic/manual file naming
- Power management
- Cloud services
- Small size
- Light weight

Gases Detected

- Sulfur hexafluoride
- Ammonia
- Ethylene
- Ethylene ether
- Vinyl chloride
- Trichloroethylene
- Methyl vinyl ketone
- Propylene
- Acrolein
- Acrylonitrile
- Ethyl cyanoacrylate
- Allyl fluoride
- Allyl chloride
- Allyl bromide
- Furan

Accessories

- USB Cable
- 32 GB Micro-SD card
- Charging dock
- 2 batteries
- 1/4"-20 tripod support (built-in)

Specifications

- **Pixel Resolution:** 640 x 512
- **Accuracy:** ± 2°C (± 3.6°F) or ± 2%
- **Temperature Range:** -20 °C to 550 °C (-4 °F to 1022 °F)
- **Operation Range:** -10°C to 50°C (14°F to 122°F)
- **Storage Range:** -20°C to 60°C (-4°F to 140°F)
- **Detector Array:** FPA (VOx)
- **Pixel Pitch:** 12 µm
- **FOV:** 48° x 38°
- **IFOV:** 1.31 mrad
- **Focal Length:** 9.1 mm
- **Focus:** manual
- **Humidity:** 10% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Shock/Vibration:** 25 G/2.5 G
- **Dimensions (without lens):**
  256.4 mm x 105.1 mm x 105.3 mm (L x W x D ± 0.5 mm)
  (10.09" x 4.14" x 4.15" (L x W x H ± 0.02"))
- **Weight (without lens):** 670 g (1.48 lbs)
- **Power:** 5V DC, 2A
- **Battery:** Li-ion, rechargeable/replaceable
- **Operation/Charging Time:** 3 hours/3 hours
- **Power Management:** adjustable
- **Interface:** USB Type-C, Micro SD
- **Video Format:** H.264 (without data)
- **Image Format:** IR JPG (with data) + visible JPG
- **Image Polarity:** 10 options
- **Image Modes:** IR, fusion (ICI Dual Vision), visible, picture-in-picture, detail enhancement
- **Memory:** MicroSD card (up to 64 GB)
- **Screen:** 3.5" color LCD touch screen, 640 x 480
- **Brightness:** adjustable
- **Digital Camera:** 5 MP
- **Zoom:** 2x, 4x, 8x
- **Emissivity Correction:** 0.01 to 1.0
- **Measurement Units:** °C, °F, °K
- **IP Rating:** IP54
- **Laser:** Class II 650 nm, < 1 mW
- **Language:** multi-language
- Automatic alarms
- Internal non-uniformity correction (NUC)
- Cloud services

Specifications subject to change without notice.