



V340 OGI Infrared Camera for Gas Leak Detection

The Cantronic Systems' **V340 Optical Gas Imaging (OGI)** camera offers unmatched gas leak detection capabilities. This OGI camera can detect the smallest leaks of more than 400 different VOC gases and has a spectral response from 3.2 μ m to 3.5 μ m wavelength.

The **V340** integrates **KT Photonics'** most advanced **High Operating Temperature (HOT)** mid-IR OGI infrared detector giving the ability to quickly visualize gas leaks and to accurately pinpoint the source. With real-time crystal-clear images, users can scan large industrial areas rapidly, improving the efficiency of leak detection and remedy operations.

- Exceptional image quality to quickly and accurately identifies leaks.
- Advanced HOT MWIR Infrared detector that has high sensitivity, low power, whisper quiet cooler with extending operational life.
- Live scenes display with gas leak plume overlay. On-board video, voice recording and snapshot function.

| | | | V340 | | | | V340 |
|---------------|---------------|-----------------------------|---|-----------------------|------------|------------------------------------|------------------------------------|
| Detector | Detector | Detector type | High Operating Temperature (HOT) Mid-wave T2SL, Long life | Digital visual camera | Image | Imaging sensor | 1/2.7 inch CMOS |
| | | IR resolution | 320x256 | | | Resolution | 16 million pixels |
| | | Detector pitch | 30μm | | | Focal Length | 8 mm |
| | | Spectral response | 3.2~3.5 μm | | | FOV | 40° x 30° |
| | | NETD | ≤12mK | | | Image modes | Visible/IR image |
| | | F-number | 1.2 | | | Digital image enhancement | Edge and detail enhancement |
| | | Focal length | 35mm | | | Zoom | Yes (x8) |
| | | FOV | 15°x12° | | | Snapshot | Yes |
| | | Focus | Manual/Automatic | | | Palettes | 12: white hot, black hot iron... |
| | | Video output | HDMI | | | Video recording | Yes |
| Interface | Interface | Data protocol | Type-C, mini HDMI, TF card | Video | Extra data | Video format | H.264/MJPEG |
| | | Memory storage | Yes | | | Image preview | Support thumbnail navigation |
| | | Power supply | DC12V 3A | | | Cool-down time | <5 min |
| | | Battery type | Liion battery | | | Capacity check | Real-time display of battery level |
| Power system | Power system | Battery operating time | >3.5 h at 30° C and typical use | Physical data | | LCD display | 5.5 inch screen: 1920x1080 |
| | | Charging type | Charger | | | Weight | ≤2.8 kg |
| | | Operating temperature range | -20°C~50°C | | | Camera size including lens (LxWxH) | 311x196x195 mm |
| Environmental | Environmental | Storage temperature range | -40°C~60°C | Lens size | | 80mm x 55mm | |
| | | Humidity | ≤95°C (no condensation) | | | | |

Detectable gases

400+ compounds: Methane, Acetic acid, Benzene, Butadiene, Butene, Dimethyl-Benzene, Ethane, Ethylene, Ethyl Benzene, Ethylene oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol, MEK, Methyl Ethyl Ketone, Octane, Pentene, Propane, Propana.

Applications:

- Natural gas pipeline valves
- Oil storage
- Transportation of finished oil and hazardous chemicals
- Environmental law enforcement
- Oils and gas transmission pipeline
- Unorganized emission of VOCs