



Opgal is a world leading manufacturer of cutting edge thermal and active imaging solutions with 40 years of field proven technology.

Over a decade ago, Opgal introduced to the market its first OGI (Optical Gas Imaging) camera, the EyeCGas 1.0. This groundbreaking OGI camera has revolutionized the way inspections were held in the Oil & Gas industry.

Over the years, based on industry's feedback, Opgal released the second generation EyeCGas 2.0, an Intrinsically safe, rugged and highly sensitive OGI camera. Equipped with features such as wireless connectivity, streaming live images and videos, integration with 3rd party analyzers e.g. TVA2020, PHX42, LMm, RMLD and LDAR software, making LDAR inspections faster, and more efficient.

In addition, Opgal added state of the art products for the industry. The world's most compact and affordable OGI camera, the EyeCGas Mini (3 available models; Methane, SF6/Ammonia and refrigerants).

EyeCGas 24/7 Fixed OGI solutions, enabling unmanned detection 24 hours a day, 7 days per week, and the EyeCSite software with two versions; quantification (QOGI) for handheld OGI cameras, and automated video management system for the 24/7 OGI cameras.

EyeCGas® EyeCSite®

EyeCGas 2.0



Handheld OGI Cameras

A highly-sensitive handheld Optical Gas Imaging (OGI) camera, capable of detecting Methane, over 400 VOC's and CO₂. It is Intrinsically Safe and complies with the EPA's "Quad 0a" (0000a) regulations. It is designed to work in harsh conditions, with a wide range of unique features making it the best OGI camera in the world.

Key Features

- **Intrinsically Safe & EPA Quad 0a Compliant**
IECEX intrinsically safe Zone II, ANSI, CSA Class I & Class II div.2 Complies with the EPA's Quad 0a (0000a) regulations
- **Connectivity**
Built-in Wi-Fi, hotspot, Bluetooth and internal GPS capabilities
- **Multi Spectral Filters**
Three operator-replaceable filters; Methane & VOC (3.2 μ m – 3.4 μ m), heavier alkanes 3.3 μ m to 3.5 μ m and for CO₂ 4.2 μ m to 4.4 μ m.
- **Thermography Imaging**
Temperature measurements capabilities and multiple color palettes for better versatility
- **Higher Sensitivity**
<10mK NETD. EyeCGas 2.0 can detect leaks as small as 0.35 g/hr (methane) and is fully certified to meet EPA (NSPS) 40 CFR part 60, subpart 0000a requirements
- **Rugged & Sealed**
Designed to operate under harsh conditions. 4-year warrantee
- **3rd party integrations Capabilities**
Integrates with various analyzers and LDAR software for improved and efficient surveys
- **Live Streaming**
Stream live feeds, transfer images and videos wirelessly

EyeCGas Mini



Key Features

- **Cost-Effective**
Uncooled technology makes for low maintenance.
- **Built in GPS**
Built-in GPS for accurate leak-location identification.
- **Thermography**
Thermographic imaging mode, also in the day camera
- **Automatic Gas Detection**
Detecting gas in real-time overlayed on the visible image
- **Multiple IR Palettes & Image Modes**
13 different palettes and viewing modes for improved detection capability
- **Multiple Models**
Available for Methane, SF₆, Ammonia & HFC Refrigerants
- **User-Friendly Interface**
Simple and easy to operate with minimal training.
- **Connectivity**
Wi-Fi, Bluetooth and USB C connectivity

EyeCGas 24/7



Fixed OGI Cameras

Uncooled continuous monitoring OGI camera for Methane leak detection, with automatic alerts via a control room and dedicated EyeCSite Pro software system.

Key Features

- **Continues Monitoring**
24/7 monitoring with multiple functionalities tailored to each customer.
- **Pan & Tilt Mounting**
Pan & Tilt mounting allows wide coverage and surveillance of multiple area with a single camera.
- **Gas Leak Detection**
Quickly identifies Methane.
- **Automated Alerts (Software)**
Real-time indicators using alarms and visual signal alerts.
- **Smart Software (EyeCSite Pro)**
Dedicated management software for logs and statistics.
- **Versatile Communication (Software)**
Modbus/OPC/ONVIF/HART communication.

EyeCGas 24/7 Pro

Cooled continuous monitoring OGI camera for Methane and over 400 VOC's, with automatic alerts via a control room and dedicated EyeCSite Pro software system. Cooled OGI technology enabling detection of small to large leaks from a far distance.



Key Features

- **Continues Monitoring**
24/7 monitoring with multiple functionalities tailored to each customer.
- **Built to Last**
Rugged/Pan & Tilt for outdoor use.
- **Gas Leak Detection**
Quickly identifies Methane and over 400 VOC's.
- **Pan & Tilt Mounting**
Pan & Tilt mounting enables options to monitor multiple areas with one camera. From longer distances.
- **Wide coverage**
Monitor of multiple areas and configurations with a single PT camera from longer distances.
- **Automated Alerts (Software)**
Real time indicators using alarms and visual signal alerts.
- **Smart Software**
Dedicated management software for logs and statistics.
- **Versatile Communication (Software)**
Modbus/OPC/ONVIF/HART communication.

Quantification, Alert automated video management software

EyeCSite

Quantification (QOGI) and Alert software for handled OGI cameras for the oil and gas industry



Key Features

- **Quantification**
Quantification in leak rate (g/hr) and max concentration (e.g. ppm) values
- **Realtime & Offline**
On-location and remote quantitative measurement of leak rates for Methane and VOC's.
- **Multiple Compound Quantification**
Calibrated to accurately quantify most compounds.
- **User-Friendly Interface**
Virtual assistant wizard to input required parameters.
- **Plume Coloring**
For optimizing of sampling scene and pin pointing leak source.
- **Logs & Reporting**
Quickly pull out reports of your inspections (logs) and review the history of events.
- **Safe & Rugged**
EyeCSite is available in a rugged, portable, powerful and fully certified tablet or laptop.
- **Wireless**
Easily connect via Wi-Fi to the EyeCGas camera.

EyeCSite Pro

Automated video management software for EyeCGas 24/7 Fixed OGI Solutions



Key Features

- **Gas Detection**
Detection of fugitive gas in a configured Region of Interest (ROI).
- **Gas Quantification**
Quantifies the rate of the fugitive gas leaks into the atmosphere.
- **Gas Laser Integration**
Easily integrate 3rd party lasers for increased quantification accuracy.
- **Alert**
Monitor specific areas of interest and alert anomalies
- **Anomalies Detection**
Detection of abnormality related to movement or liquids.
- **Presets & Tour**
Configure different presets positions combining them into a singular tour.
- **Multi-Camera Layout**
View multiple cameras connected to the system using different viewing modes.
- **Video Recovery**
Recover video footage, and the alarms that have occurred.



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Beyond the Visible