

OPGAL Beyond the Visible

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 handled OGI cameras, and automated video management system for the 24/7 OGI cameras.

EyeCGas® EyeCSite®

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 Oa" (OOOOa) 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.

EyeCGas 2.0











Intrinsically Safe & EPA Quad 0a Compliant

Key Features

IECEX intrinsically safe Zone II, ANSI, CSA Class I & Class II div.2 Complies with the EPA's Quad Oa (0000a) regulations

Connectivity
 Built-in Wi-Fi, hotspot ,Bluetooth and internal GPS capabilities

Multi Spectral Filters
 Three operator-replaceable filters; Methane
 VOC (3.2µm - 3.4µm), heavier alkanes
 3.3µm to 3.5µm and for CO2 4.2µm to 4.4µm.

Thermography Imaging
 Temperature measurements capabilities and multiple color pallets 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 maintainence.

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





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.

EyeCGas 24/7 Uncooled alerts via a





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

Ouantification

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

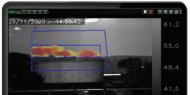
EyeCSite is available in a rugged, portable, powerful and fully certified tablet or laptop.

Wireless

Easily connect via Wi-Fi to 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

Easly integrate 3rd party lasers for increased quantification accuracy.

Alert

Monitor specific areas of interest and alert anomalies

Anomalies Detection

Detection of abnomality 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.







Karmiel, 2161401, Israel

Atlanta, GA 30336, USA









info@opgal.com | www.opgal.com

