4 YEAR WARRANTY*

Key Features

Gas Leak Detection
Quick detection of methane, CO, CO2 and Volatile Organic Compounds (VOC's) leaks

Thermographic Imaging
Temperature measurements capabilities and color pallets for better versatility

Gas Quantification
Quantification via EyeCSite software, or 3rd party devices

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

Key Benefits

EPA 0000a Compliant
Complies with the EPA's Quad Oa (OOOOa) regulations

Intrinsically Safe
IECEX intrinsically safe Zone II, ANSI, CSA Class I & Class II div.2

LDAR-Ready Capabilities
Integrates with various softwares and analyzers

Rugged & Sealed
Especially designed for detecting gas leaks in the harsh conditions of the oil and gas industry

EyeCGas 2.0

Optical Gas Imaging Hand-held Camera for gas leak detection and quantification. Certified intrinsically safe.

Optical Gas Imaging Solutions

Oil Refineries
Gas leak detection cameras enable the quick and safe detection and visualization of fugitive emissions leaks, allowing quick detection and repair of leaks, thus helping prevent major damage, and avoid fines.

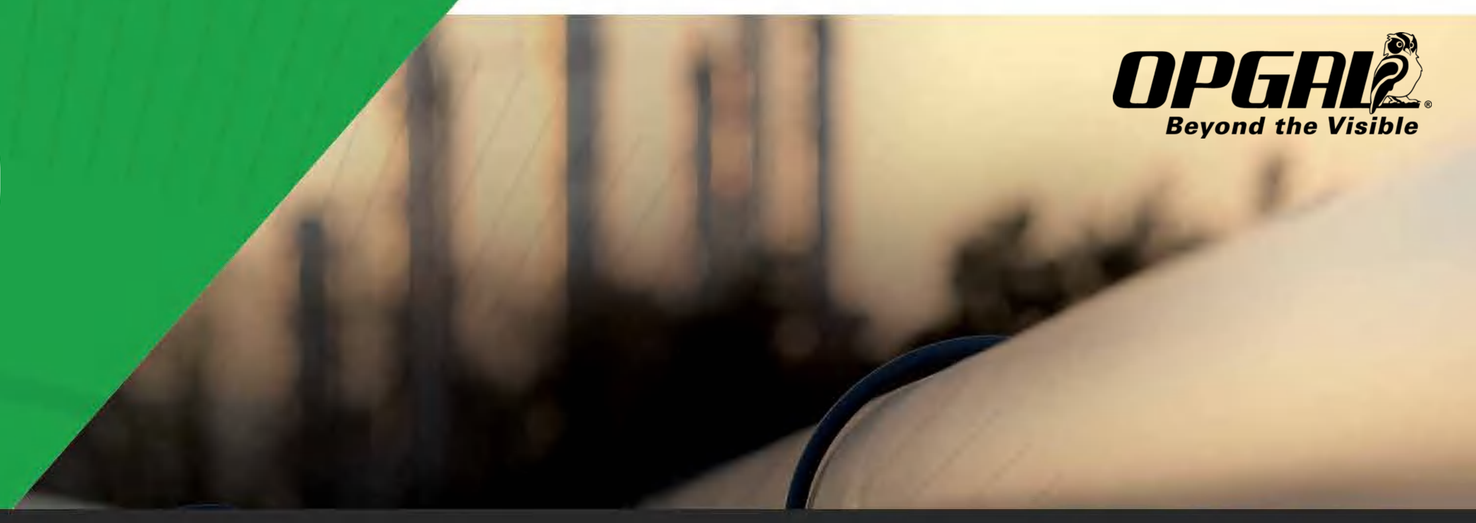
Transmission Pipes
Natural gas must travel a great distance from the original well to reach its point of use. The transportation system for natural gas consists of a complex network of pipelines, all of which have to be regularly monitored and checked to ensure against leaks and faults.

LNG Terminals
These highly volatile sites use various equipment for handling and transporting Liquefied Natural Gas, as well as liquefaction, re-gasification, processing, storage, and more. Early detection can prevent major disaster and ensure proper maintenance.

Off-Shore Oil Rigs
Off-shore drilling rigs deal with volatile substances under extreme pressure and in a hostile environment. This entails many risks, sometimes ending in tragedy. It is crucial to monitor and reach even the most remote station regularly, to catch potential leaks before they escalate.

EyeCGas 2.0

Handheld OGI Camera



TECHNICAL SPECIFICATIONS	
IMAGING PERFORMANCE	
THERMAL IMAGER	
THERMAL SENSITIVITY	<10mK@ 25°C
OPTICS	f/1.1; 18° with 30mm lens; Manual focus
DIGITAL ZOOM	x2, x4, x8 and x16 (only for visible camera)
DIGITAL VIDEO CAMERA	
EMBEDDED DIGITAL CAMERA	HD, fixed focus, for situational awareness
DETECTOR	
TYPE	Cooled High Sensitivity, 320 x 240 pixels
SPECTRAL RANGE	3 to 4.4µm
POWER INPUT	
POWER	12 VDC; 13W
BATTERY LIFE	>4.5 hours continuous operation
PHYSICAL CHARACTERISTICS	
WEIGHT (WITH BATTERY AND LENS)	2.6kg (5.9 lbs)
COLOR	Grey and Black
SIZE IN (LXHXW)	9" x 4.3" x 5.1" (230 x 110 x 130) mm
INTERFACE	Tripod mounting UNC 1/4", rotation safe
THERMOGRAPHY	
MEASUREMENT	Spot temperature measurement
RANGE	-20°C to +350 °C
ACCURACY	At Least ± 1 °C (0 – 100 °C), ± 2% (> 100 °C), ± 2°C (-20 - 0 °C)
COLOR PALETTES	6 color palettes (Rainbow, Iron, ISO red, ISO green, Grey Scale and Vivid)
QUANTIFICATION	
GAS QUANTIFICATION	Image processing VOC gas quantification for desktop or handheld application (offline/online operation)
DISPLAY	
DISPLAY UNIT	3.5” Color LCD 640X480
ENVIRONMENTAL CONDITIONS	
OPERATING TEMPERATURE RANGE	-20°C to + 50°C
STORAGE TEMPERATURE RANGE	-40°C to + 70°C
TEMPERATURE AND HUMIDITY	IEC 60068-2-30 Temp. +25°C / +40°C Humidity 95% RH
EMC/ EMI	EN 60079-0:2012/A11:2013, EN 60079-11:2012, EN 60079-15:2010, IEC 60079-0:2017, IEC 60079-11:2011,IEC 60079-15:2010, IEC 60079-31:2013
VIBRATION	2.4 GRMS Random Vibration
WATER AND DUST PROTECTION	IP65
HALT - HIGH ACCELERATED LIFE TEST	Max temp: 55°C, Min temp: -20°C
SAFETY	EN60950-1:2006
HAZARDOUS LOCATIONS SAFE	CSA C22.2 No. 213-M1987, Non-Incentive Electrical Equipment for Use in Class I, Division 2, ANSI/ISA-12.12.01 - Class I and II, Division 2, and Class III, ATEX intrinsically safe for Zone 2 ratings as: Ex II 3 GD; Ex ic nA nC IIC T6 Gc; Ex ic tc IIIC T85°C DC
ENVIRONMENTAL CONDITIONS WHEN PACKED IN CARRYING CASE	
FREE FALL (DROP) TEST	ASTM-D 4169-06 Schedule A
LOOSE CARGO VIBRATION TEST	ASTM-D 4169-08 Schedule F Test method D999
VIBRATION	ASTM-D 4169-08 Schedule F Test method D999
GAS LEAK DETECTION PERFORMANCE	
OPERATION FEATURES	Auto and Enhanced Modes
WITH SPECTRAL FILTER OF 3.2µM TO 3.4µM FOR VOCs GASES DETECTION	400+ compounds such as: Methane, Acetic acid, Benzene, Butadiene, Butene, Butane, Dimethyl-Benzene, Ethane, Ethylene, Ethyl benzene, Ethylene oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol, MEK Methyl Ethyl Ketone, Octane, Pentene, Propane, Propanal
DIGITAL VIDEO AND AUDIO RECORDING	
VIDEO AND AUDIO RECORDING	Digital video recorder build-in generates a .ts format video on all modes.
SNAPSHOT CAPABILITIES	Snapshot command generates a .jpg file on any of the available modes
STORAGE	Up to 20 hours and more of video storage over a 64GB solid state memory
COMMUNICATION INTERFACES	
USB	Data transfer, video streaming and video images file transfer
Wi-Fi	2.4 GHz for video streaming and file transfer
Bluetooth	Bluetooth 4.2 with other devices: RMLD, TVA2020 ,LDAR software etc…
GPS	Built in or external
SUPPLIED ACCESSORIES	
Batteries (2), Battery Charger, USB Cable, Neck strap, Glare Shield, Carrying Case, Cleaning Kit.	

THE BEST OGI CAMERA
JUST GOT BETTER

RELEVANT APPLICATIONS

VOCs CO_2 CH_4 CO

EyeCGas 2.0 ensures quick detection of methane, CO, CO2 and Volatile Organic Compounds (VOC’s) leaks – making it the ideal tool for leak detection solutions.

ECG2.0 enables quantification based on VOC emissions image processing via dedicated software, connect either to a desktop-based or field-worthy device.

4 YEAR WARRANTY*

* 4 years manufacturer warranty on the camera, 2 years on the sensor