



LDAR

Leak Detection and Report

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LDAR

OGI Technology

EyeCGas® 2.0 is the world's most sensitive handheld OGI camera. It quickly identifies fugitive gas emissions for over 400 hydrocarbon and VOC gasses. Including Methane and CO2.

EyeCGas® 2.0 complies with the EPA's "Quad Oa" (OOOOa) regulations and is used globally across the industry for LDAR compliance. It is certified for ATEX zone 2 and UL class I Div II, hazardous environments. Clearly designed to work in harsh conditions.

Based on customer feedback, EyeCGas® 2.0 has a wide range of unique features making it the best OGI camera in the world. EyeCGas® 2.0 by Opgal helps you detect and repair gas leaks inside the facility limits without the need of a hot permit, allowing video and audio recording and streaming, while maintaining safety.



QUANTIFICATION

Innovative built-in LDAR capabilities allow easy integration with quantification LDAR software

HIGH SENSITIVITY

Most sensitive OGI camera in the market identifies small leak detection, 3rd party certification for EPA OOOOa compliance

EyeCGas®
NOW WITH A
4 YEAR
WARRANTY



THERMOGRAPHY MODE

Temperature measurement capabilities and colour pallets for better versatility

SAFETY

Authorised for Hazardous locations (ATEX Zone2, ANSI and CSA class 1 and II Div 2)

WIRELESS

Built in Wi-Fi enables live video streaming and video download for better connectivity

GPS

Built in Global Positioning System



What you see

What i see



What you see

What i see

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We will provide all necessary equipment and qualified personnel to conduct a full site survey, including detailed reports. This information will detail all site areas labelled with a tagging system. There will be a video, including sound, detailing the leaks, areas described and all evidence integrity is maintained in the specific area. If any leaks are found, we will report these back to the client immediately. All detected leaks will be quantified using our software and give clear, defined levels as part of our reports.

We provide fully qualified engineers to do onshore, and offshore, installations. Offshore site work will have fully qualified, experienced and insured engineers available for operational visits to meet the project demand.

We will provide an ATEX, cooled lens camera, capable of providing clear, concise information, live data streaming, private WIFI network delivery and Bluetooth connectivity.

We are also able to find heat sources by utilising the thermography lens fitted to the camera.



EyeCGas VOC



EyeCGas Mini



EyeCGas CO



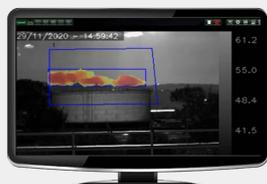
Quantification Software

400+ VOC's DETECTED AND QUANTIFIED..

Methane Benzene Butane Ethane Ethanol Ethylbenzene Ethylene Heptane Hexane Isoprene Methanol MEK Octane 1-Pentene. Pentane Propane Propylene Toluene m-xylene Chlorine Isocyanate (CCINO) Carbon Dioxide (CO₂) Carbon Monoxide (CO) Nitrous Oxide (N₂O) Ketene Ethenone (C₂H₂O) Butyl Isocyanide Hexyl Isocyanide Cyanogen Bromide (CNBr) Acetonitrile (C₂H₃N) Acetyl Cyanide Chlorine Isocyanate (CCINO)

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TECHNICAL SPECIFICATIONS



IMAGING PERFORMANCE	
THERMAL IMAGER	
THERMAL SENSITIVITY	<12mK@ 25°C
F#	f/1.1
FIELD OF VIEW	18° with 30mm lens
FOCUSING	Manual
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	
VOLTAGE	12VDC
POWER CONSUMPTION	13 W
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, @ +/- 1°C between 0°C to 100°C
COLOR PALETTES	6 color palettes (Rainbow, Iron, ISO red, ISO green, Grey Scale and Vivid)
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
VIBRATION	EN 60079-0:2012/A11:2013, EN 60079-11:2012, EN 60079-15:2010, IEC 2.4 GRMS Random Vibration
WATER AND DUST PROTECTION	IP65 - Blowing dust
HALT - HIGH ACCELERATED LIFE TEST	Vibration level: Max temp: 55°C, Min temp: -20°C
SAFETY	EN 60950-1:2006
	CSA C22.2 No. 213-M1987, Non Incendive Electrical Equipment for Use in
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 including Background selection for standard very
WITH SPECTRAL FILTER OF 3.2µM	for detection of VOCs gases
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 wireless connectivity for video streaming and video images file
Video output	Recorded video files and Video Streaming over Wi-Fi and USB
Bluetooth	For: Ear set, TVA2020, PHX42, RMLD and LDAR software as CNTRAL,
GPS	Built in or, external device, for location storage on every image and video
SUPPLIED ACCESSORIES	
Batteries (2), Battery Charger, USB Cable, Neck strap, Glare Shield, Carrying Case	