EyeCGas 2.0

ONE OGI CAMERA FULL LDAR SOLUTION.

EyeCGas 2.0 is the world's most sensitive and durable handheld OGI camera. Detecting over 400 VOCs, Methane and CO2. EyeCGas 2.0 is Intrinsically Safe and complies with the EPA's "Quad Oa" (0000a) regulations.

Using its wide range of features and functionalities, it enables surveyors to scan large areas quickly, efficiently and identify gas leaks while staying safe. Allowing for quick repairs and reducing revenue loss.













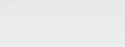






CONNECTIVITY

Real-time video streaming and wireless images/videos sharing during inspections.



REPLACEABLE LENS

- 30mm lens (standard)
- 75mm lens (for improved long-range detection)



3RD PARTY ANALYZERS & LDAR SOFTWARE INTEGRATION

Connects to 3rd party
analyzers (TVA 2020, RMLD,
PHX42 and more). Display data
on camera screen in real-time and store video files.
Integrate your existing LDAR software (Guideware,
CNTRL, Chateau, and more) for easy reporting.

REPLACEABLE FILTERS

Exclusive ability to change spectral filters:

• Default filter (Methane & over 400 VOC's) • Higher Carbons filter (improved higher carbon and long range detection of VOC's) • CO2 (carbon dioxide detection)



The most durable OGI camera by design. Water and dust protected IP65. Intrinsically safe, ATEX Zone2, IECEx, ANSI/ISA Class I, Div.2, CSA C22.2 Class I, Div. 2.

GLARE SHIELD

Enhances the image by x3 and avoids sun glare.



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HIGHER SENSITIVITY

NEDT <10mK with proprietary image processing algorithm detecting 0.35g/hr (Methane). Certified to meet EPA 0000a requirements.



Quantify Methane and other VOCs in a simple and user-friendly interface, while seamlessly creating a report at the end of each inspection.





ATEX

EyeCGas 2.0 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	
DOMED	POWER INPUT	
POWER	12 VDC; 13W	
BATTERY LIFE	>4.5 hours continuous operation	
	PHYSICAL CHARACTERISTICS	
WEIGHT (WITH BATTERY AND LENS) COLOR	2.6kg (5.9 lbs)	
SIZE IN (LXHXW)	Grey and Black 9" x 4.3" x 5.1" (230 x 110 x 130) mm	
INTERFACE	· · · · · · · · · · · · · · · · · · ·	
INTERFACE	Tripod mounting UNC 1/4", rotation safe THERMOGRAPHY	
MEACLIDEMENT		
MEASUREMENT RANGE	Spot temperature measurement	
ACCURACY	-20°C to +350 °C 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)	
COLOR PALETTES	QUANTIFICATION	
GAS QUANTIFICATION		
GAS QUANTII ICATION	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,	
LIVIO/ LIVII	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	
<i>5</i> , 1, 2, 1	CSA C22.2 No. 213-M1987, Non-Incentive Electrical Equipment for Use in Class	
HAZARDOUS LOCATIONS SAFE	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-D4169-06 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 I	LEAK DETECTION PERFORMANCE	
OPERATION FEATURES	Auto and Enhanced Modes	
	400+ compounds such as: Methane, Acetic acid, Benzene, Butadiene,	
WITH SPECTRAL FILTER OF 3.2µM TO 3.4µM	Butene, Butane, Dimethyl-Benzene, Ethane, Ethylene, Ethyl benzene, Ethylene	
FOR VOCs GASES DETECTION	oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol,	
	MEK Methyl Ethyl Ketone, Octane, Pentene, Propane, Propanal	
DIGIT	AL 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 st	Batteries (2), Battery Charger, USB Cable, Neck strap, Glare Shield, Carrying Case, Cleaning Kit.	

