

NOW WITH A

**4** YEAR WARRANTY\*

# EyeCGas 2.0

Optical Gas Imaging Camera  
by OPGAL



Gas Leak Detection



EPA 0000a Compliant



Thermographic Imaging

## THE BEST OGI CAMERA JUST GOT **BETTER**

RELEVANT APPLICATIONS



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

## WHY CHOOSE **EYECGAS 2.0?**



Wireless connectivity



Integrates with various LDAR software and analyzers



Built-in GPS



IECEx intrinsically safe Zone II, ANSI, CSA Class I & Class II div.2



Gas quantification (optional)

\* 4 years manufacturer warranty on the camera, 2 years on the sensor  
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Optical Gas Imaging Camera  
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TECHNICAL SPECIFICATIONS	
<b>IMAGING PERFORMANCE</b>	
THERMAL IMAGER	
THERMAL SENSITIVITY	<12mk@ 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
<b>DETECTOR</b>	
TYPE	Cooled High Sensitivity, 320 x 240 pixels
SPECTRAL RANGE	3 to 4.4µm
<b>POWER INPUT</b>	
POWER	12VDC; 13W
BATTERY LIFE	>4.5 hours continuous operation
<b>PHYSICAL CHARACTERISTICS</b>	
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
<b>THERMOGRAPHY</b>	
MEASUREMENT RANGE	Spot temperature measurement -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)
<b>DISPLAY</b>	
DISPLAY UNIT	3.5" Color LCD 640X480
<b>ENVIRONMENTAL CONDITIONS</b>	
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
<b>GAS LEAK DETECTION PERFORMANCE</b>	
OPERATION FEATURES	Auto and Enhanced Modes
WITH SPECTRAL FILTER OF 3.2µM TO 3.4µM	for detection of VOCs gases
<b>DIGITAL VIDEO AND AUDIO RECORDING</b>	
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
<b>COMMUNICATION INTERFACES</b>	
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
<b>SUPPLIED ACCESSORIES</b>	
Batteries (2), Battery Charger, USB Cable, Neck strap, Glare Shield, Carrying Case, Cleaning Kit.	

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