

# 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, CO<sub>2</sub> and Volatile Organic Compound (VOC) 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



Methane **quantification** (optional)

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## Technical Specs

IMAGING PERFORMANCE	
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
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, @ +/- 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 EN 60079-0:2012/A11:2013, EN 60079-11:2012, EN 60079-15:2010, IEC
VIBRATION	2.4 GRMS Random Vibration
WATER AND DUST PROTECTION	IP65
HALT - HIGH ACCELERATED LIFE	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	Normal and Enhanced Modes
MIN. DETECTABLE LEAK RATE	0.35 g/hr. (Methane)
DIGITAL VIDEO AND AUDIO RECORDING	
IMAGE / VIDEO FORMAT	JPEG / TS
STORAGE	64GB solid state memory (over 20 hours of video recording)
COMMUNICATION INTERFACES	
USB	File transfer and video streaming
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	

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