

NOW WITH A

4 YEAR WARRANTY*

EyeCGas 2.0

Optical Gas Imaging Camera
by OPGAL



Gas Leak Detection
& Quantification



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.

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

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



Quantification via EyeCSite software, or other 3rd party devices

* 4 years manufacturer warranty on the camera, 2 years on the sensor
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TECHNICAL SPECIFICATIONS	
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	12VDC; 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 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)
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 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 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.	

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