

EyeCGas 24/7

Automated Continuous Fugitive Emissions Detection by OPGAL



24/7 Condition Monitoring



Automated Alerts



Gas Leak Detection

ROUND-THE-CLOCK 24/7 MONITORING

RELEVANT APPLICATIONS



EyeCGas 24/7 ensures reliable monitoring and quick detection of methane, CO₂ and Volatile Organic Compound (VOC) leaks – making it the ideal tool for industrial outdoor continuous monitoring of gas leaks.

WHY CHOOSE EYECGAS 24/7?



Flare monitoring / Fire detection



Quantification



Thermographic imaging



Dedicated management software for log & statistics



Rugged / Pan & Tilt for outdoor use



Modbus / OPC / ONVIF / HART Communication protocols

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REPSS, Inc.
Instrumentation Specialists

OPGAL
Beyond the Visible



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Automated Continuous Fugitive Emissions Detection by OPGAL

TECHNICAL SPECIFICATIONS		
	EYECGAS 24/7	EYECGAS 24/7 PRO
THERMAL SENSITIVITY	< 22mK@ 30°C	< 10mK@ 25°C
PIXEL PITCH	17µm	30µm
FIELD OF VIEW	12° X 9°, 18° X 13°, 31° X 23°	18.5° X 13.6°
FOCUS	Fixed Focus	Fixed Focus
ACCURACY	+/-1°C (from -10°C to +60°C)	+/-1°C (from -10°C to +60°C)
DETECTOR	VO _x (3-14 µm)	MCT (3-4.4 µm)
FPA	640 x 480 pixels	320 x 240 pixels
SPECTRAL RANGE	LWIR - solution based for Methane detection	3.2 - 3.4 µm for VOC gases detection and optional user replaceable filters
POWER INPUT		
VOLTAGE	9VDC - 48VDC	12 VDC
POWER CONSUMPTION	<3W; PoE	13W
PHYSICAL CHARACTERISTICS		
WEIGHT	5 kg with sun shield	13 Kg with Sun shield
COLOR	White	White
SIZE	397mm x 110mm x 330mm without sun shield	600mm x 240mm x 220mm Including sun shield
INTERFACE	Four threaded UNC 1/4" and tripod mounting UNC 1/4", rotation safe	Four threaded UNC 1/4" and tripod mounting UNC 1/4", rotation safe
ENVIRONMENTAL CONDITIONS		
OPERATING TEMPERATURE	-20°C to +50°C	-20°C to +50°C
STORAGE TEMPERATURE	-40°C to +71°C	-40°C to +71°C
TEMPERATURE AND HUMIDITY	IEC 60068-2-30 Temp. +25°C / +40°C Humidity 95% RH	IEC 60068-2-30 Temp. +25°C / +40°C Humidity 95% RH
WATER AND DUST PROTECTION	IP66	IP65
EMC/EMI	FCC 47 CFR part 15 subpart B - Radiated Emissions EN 610000-6-4: 2007 class A - Radiated Emissions	
	EN 610000-6-2: 2005 class A - Immunity to Electrostatic Discharge (ESD) EN 610000-6- 2: 2005 class A - Radiated Immunity to RFE	
	EN 610000-6-2: 2005 class A - Radiated Immunity to Power Frequency Magnetic Field	
VIBRATION	2.4 GRMS Random Vibration	
HALT - HIGH ACCELERATED LIFE TEST	Max temp.: +50°C, Min temp.: -20°C	
SAFETY	EN60950-1:2006	EN62368-1:2014

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