

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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Optical Gas Imaging Camera
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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 | 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 |
| RANGE | -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 VOCs GASES DETECTION | 400+ compounds such as: Methane, Acetic acid, Benzene, Butadiene, Butene, Butane, Dimethyl-Benzene, Ethane, Ethylene, Ethyl benzene, Ethylene oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol, MEK Methyl Ethyl Ketone, Octane, Pentene, Propane, Propanal |
| 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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