EyeCGas® CO

Hand-held Optical Gas Imaging Camera for Carbon Monoxide

NOW WITH A 4 YEAR WARRANTY*

EyeCGas® CO is a handheld OGI camera for CO gas leak detection. With this OGI camera you can safely and remotely detect and locate carbon monoxide as well as other harmful gas emissions. Whether these toxic gases are part of the manufacturing process, or a byproduct of the production line, EyeCGas® CO helps increase safety and protect the environment Discover unparalleled safety and efficiency with the EyeCGas CO camera. Effortlessly and remotely identify and pinpoint carbon monoxide and other hazardous gas emissions. Opgal's EyeCGas CO camera is among the select few certified for ATEX Zone 2 and UL Class I Div II, ensuring unprecedented performance even in the most challenging hazardous environments. EyeCGas 2.0 CO enables you to Stream your inspection in real time, or share your results using the dedicated EyeCGas App. Receive free software upgrades, which are based on customer feedback, and rest assure that your investment is guaranteed with our exclusive 4-year warranty.

STREAMING
Real-time video streaming and wireless images/videos sharing with the official EyeCGas App.

KEY FEATURES

- **Gas Leak Detection**
  Quick detection of CO and CO_2.
- **Thermographic Imaging**
  Temperature measurements capabilities and color pallets for better versatility.
- **Connectivity**
  Built-in Wi-Fi, GPS, hotspot and Bluetooth capabilities.
- **Meets Regulatory Compliance**
  Complies with the EPA's OOOO'a/b/c regulations.
- **Gas Quantification**
  Built-in quantification or remotely operated quantification via EyeCSite software and other 3rd party devices.
- **LDAR-Ready Capabilities**
  Integrates with various softwares and analyzers.
- **Free Firmware Upgrades**
  Receive camera upgardes and improvements free of charge.
- **Intrinsically Safe**
  IECEX intrinsically safe Zone II, ANSI, CSA Class I & Class II div.2.
- **Rugged & Sealed**
  Especially designed for detecting gas leaks in the harsh conditions of the oil and gas industry.
- **Multi Spectral OGI**
  Replaceable filters enabling CO_2 detection with the same camera.

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SPECIFICATIONS

IR Resolution	320 x 240 pixels
Focus	Manual Focus
Detector Pitch	30 µm
Thermal Sensitivity/ NETD	<10 mK at 30°C (86°F)
Gas Sensitivity	5.0 ppm m, ΔT =10°C, 1 m/s wind speed, distance 2m
Hazardous Location Compliance	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
Gas leak detection capabilities	With spctral filters for Carbon monoxide and Carbon dioxide
Detector and Optical Data	
Detector Type	Focal plane array (FPA), cooled MCT
Detector Spectral Range	4.0 µm to 4.7 µm
Optical filters	Std. CO 4.4-4.7 µm; Optional CO_2 4.1-4.4 µm
Sensor Cooling	Stirling Microcooler
Digital Image Enhancement	High sensitivity mode (HSM), noise reduction filter
Available Lenses	18° (30 mm); 7.5° (75 mm)
F-Number	1.1
Image Presentation	
Display	3.5" (10'equivlent using glare shield), 640 × 480 pixel, LCD
Image Presentation Modes	IR image, visual image, Normal, Enhanced & Thermography
Color Palettes	6 color palettes (Rainbow, Iron, ISO red, ISO green, Grey Scale and Vivid)
Zoom	x2, x4, x8 and x16 (only for visible camera)
Measurement & Analysis	
Measurement Temperature Range	-20°C to 350°C (-4°F to 662°F)
Accuracy	At Least ± 1 °C (0 – 100 °C), ± 2% (> 100 °C), ± 2°C (-20 – 0 °C)
Gas emission Quantification	Built-in real-time and offline Image processing gas quantification for desktop or handheld application (offline/online operation)
Accessories & Apps	
Head up display	Seamless integration including voice commands with Realware® head up display
Mobile APP	Android 10 /IOS 14 and up

Communication interface & Data Storage	
GPS	Included, can be added to any still or video recording
Storage Media	Up to 20 hours and more of video storage over a 64GB solid state memory
Image File Formats	JPG Format (on available modes)
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
Video Out	Digital video recorder build-in generates a .ts format video on all modes.
Video Recording and Streaming	
IR or Visual Video	Digital video recorder build-in generates a .ts format video on all
Radiometric IR Video Streaming	Over Wifi
Environmental & Certifications	
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)
Encapsulation	IP65 (Intrinsically safe)
Drop	ASTM-D 4169-06 Schedule A
Vibration	ASTM-D 4169-08 Schedule F Test method D999
HALT	Max temp: 55°C, Min temp: -20°C
Safety	EN60950-1:2006
Additional Information	
Battery Type	Rechargeable Li-ion battery; 7.4 V, charger included
Battery Operating Time	>4.5 hours continuous operation
Battery Charging Time	3 hours to 95% capacity, charging status indicated by LEDs
Camera Size	9" x 4.3" x 5.1" (230 x 110 x 130) mm
Camera Weight	2.6 kg (5.9 lb)
Mounting Interfaces	UNC ¼"-20
Warranty	4 years (Detector & cooler – 2 years; Batteries 1 year)
Box Contents	
Packaging	Infrared camera with lens, Batteries (2), Battery Charger, USB Cable, Neck strap, Glare Shield, Carrying Case, Cleaning Kit.

* Batteries – 1 year warranty
* IR Detector & Cooler – 2 years warranty