MADE IN FRANCE

GasViewer

OGTECH
Oil & Gas Technologies

OGI PORTABLE CAMERA GASVIEWER GV-P 3234-GEN3

To see gas leaks invisible to the naked eyes. For fugitive emissions detection, localization, visualization, and quantification (optional). Gases « appear » in real time as fumes on the built-in screen. Approved as Smart LDAR Equipment in EPA method 21 and EN15446 regulations.
Safe for hazardous areas.

ACCURACY
• Cooled detector technology allows to find leaks as low as 0,35 gr/hr. for CH4 at 2m distance.

CAMERAS MODES
• Color (5 Mega pixels camera with low light mode)
• Infra-red (Cooled high sensitivity detector)
• 10 levels of gas detection enhancement, for highest sensitivity
• Thermography (optional)

DISPLAY
• 5" embedded touchscreen display,

ADVANCE FEATURES
• Electronic image stabilization and background enhancement, to facilitate the gas detection by the operator
• Remote control from telephone or tablet
• On screen virtual keyboard
• Quantification (optional)

CONNECTIVITY
• WIFI HOTSPOT: To connect to an external screen, for video streaming in real time, or to our quantification tablet GV-Q-3234 (optional).

SAFETY CERTIFICATION
• Ex II3GD
• Ex ec nC IIC T6 Gc
• Ex tc IIIC T85°C Dc

OGI camera GASVIEWER GV-P 3234- GEN 3 FOR VOC

OGI (Optical Gas Imaging) camera is vital in keeping your employees, your site, and the environment safe.
Our GV-P-3234 saves time in the search for fugitive gas leaks and provides confidence that the inspected equipment is free from leaks of Hydrocarbons, volatile organic compounds (VOC) or other gases (list of gases in the datasheet).
Optical Gas detection Camera is ideal for facilities with flammable materials and combustible storage areas that are sensitive to gas emissions such as refineries, petrochemical plants, tank farms, gas compression station, gas transportation, biogas plants…
It can detect small and big leaks, leaks from distance, leaks under insulation, underground leaks, unexpected leaks…

GV-Q-3234

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ISO 9001:2015 BUREAU VERITAS Certification

GasViewer

DATA SHEET

IMAGING PERFORMANCE	
Thermal Imager	
THERMAL SENSITIVITY	<10mK@30°C
F #	1.2
FIELD OF VIEW	15.6° × 12.5° with 35 mm lens
FOCUS NEAR	<0.5m
FOCUSING	Manual
Digital Video Camera	
EMBEDDED DIGITAL VIDEO CAMERA	1280 x 720 – 5 M pixel camera with interior/exterior mode for situational awareness even in low light

DETECTOR	
TYPE	Cooled high sensibility 320 x 256 pixels
SPECTRAL RANGE	3.2 – 3.4 µm

POWER INPUT	
VOLTAGE	25 VDC
POWER CONSUMPTION	25 W
BATTERY LIFE	>4.5 hours continuous operation

PHYSICAL CHARACTERISTICS	
WEIGHT	2.7 kgs
SIZE IN (LXHXW)	220 x 160 x 165 mm
INTERFACE	Tripod mounting UNC 1/4", rotation safe

THERMOGRAPHY(OPTIONAL)	
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	Black and White, Iron Bow Rainbow, Steel, Hot Metal

ADVANCE FEATURES	
IMAGE STABILIZATION	Electronic image stabilization
BACKGROUND ENHANCEMENT	Improve background details
VIRTUAL KEYBOARD ON SCREEN	To save the leaking equipment tag number directly on the video and in the video file name
GAS QUANTIFICATION (optional)	Quantification using GasViewer tablet GV-Q-3234 connected GasViewer camera through Wifi

DISPLAY	
DISPLAY UNIT	5" TFT, Resistive touchscreen (can be used with gloves) 800 x 480 pixel

GAS LEAK DETECTION PERFORMANCE	
OPERATION FEATURES	Visual, Infrared, Gas Modes 10 level High sensitivities for Gas Mode
DETECTED GASES	Any gases with absorption wavelength between 3.2 and 3.4 µm, including all VOCs and Hydrocarbons, but not limited to: 400+ compounds such as: Methane, Benzene, Butadiene, Butene, Butane, Dimethyl-Benzene, Ethane, Ethylene, Ethanol, Ethyl benzene, Ethylene oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol, MEK Methyl Ethyl Ketone, methyl isobutyl ketone, Octane, Pentene, 1-pentene, toluene, xylene, Propane, Propanol, propylene ....

ENVIRONMENTAL CONDITIONS	
OPERATING TEMPERATURE RANGE	-20°C to + 50°C
STORAGE TEMPERATURE RANGE	-40° to + 70°C
TEMPERATURE AND HUMIDITY	IEC 60068-2-30 Temp. +25°C / +40°C Humidity 95% RH
WATER AND DUST PROTECTION	IP65 - Blowing Dust test IP65 - Jetting Water
HALT - HIGH ACCELERATED LIFE TEST	Vibration level: Max temp: 55 deg, Min temp: -20 deg
Applied harmonized standards	EN IEC 60079-0 : 2018 EN 60079-7 : 2015 EN 60079-15 : 2019
CERTIFICATIONS	Ex II3GD Ex ec nC IIC T6 Gc Ex tc IIIC T85°C Dc

DIGITAL VIDEO AND PHOTO RECORDING	
VIDEO RECORDING	MKV videos recording in all modes
PHOTO RECORDING	Snapshot command generates a .PNG file on any of the available modes
STORAGE	Up to 40 hours of video storage over a 32 GB solid state memory

COMMUNICATION INTERFACES	
USB	USB-C data transfer, videos and images file transfer
WI-FI	2.4 GHz for video streaming Wi-Fi rooter to connect to GV-Q-3234

SUPPLIED ACCESSORIES
Battery Pack, Battery Charger, USB Cable, Neck strap, Carrying Case, Cleaning Kit.

Figure 1

With your naked eye

Figure 2

With GV-P-3234

«We see, what you can't see. »

www.og-tech.fr
contact@og-tech.fr

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Do not hesitate to contact your local representative: