



MFE
DETECT
MW

Introducing MFE Detect MW OGI Camera. The Ultimate Solution for Detecting Hydrocarbon Gas Leaks

The Quad-O compliant MFE Detect MW features Sierra Olympic's industry-leading, mid-wave infrared Ventus OGI camera core and is designed to detect and visualize hydrocarbon gases, including methane and propane. Operators can take the camera right to the source to determine the size, movement, and direction of the gas leak in order to quickly get people out of harm's way and repair the leak.



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A suite of advanced image processing functions, including automatic gain and dynamic contrast control, delivers visual acuity to operators for efficient leak detection and remediation. The camera features shutter and scene-based non-uniformity correction (NUC) resulting in more accurate correction, especially for complex or rapidly changing temperature profiles. The MFE Detect MW is an invaluable tool that saves time and money, increases efficiency, limits product loss, protects lives and reduces harm to the environment.

Key Features:

- Detect methane leaks in real time
- Carry by hand for further diagnosis
- Digital noise reduction
- Achieve more accurate results with shutter & scene-based NUC
- 640x512 resolution



MFE Detect MW



Other OGI Camera





MFE Detect MW & Boston Dynamics Spot Unleash the power of mobility for gas leak detection.

Introducing the ultimate solution for detecting hydrocarbon gas leaks: the MFE Detect MW and Boston Dynamics' Spot.

The Quad-O compliant MFE OGI camera features Sierra Olympic's industry-leading, mid-wave infrared Ventus OGI camera core and is designed to detect and visualize hydrocarbon gases, including methane and propane.

When mounted on Boston Dynamics' Spot, operators may rely on Spot's unprecedented mobility to automate routine inspection tasks. When further inspection is required, the MFE Detect MW can be used as a handheld device for precise close-up detection.

A suite of advanced image processing functions, including automatic gain and dynamic contrast control, delivers visual acuity to operators for efficient leak detection and remediation.

Whether it's used as handheld device or mounted on Spot, the MFE Detect MW is an invaluable tool that saves time and money, increases efficiency, limits products loss, protects lives and reduces harm to the environment.

Key Features:

- Detect methane leaks in real time
- Carry the MFE Detect MW by hand for further diagnosis
- Seamless integration, unparalleled gas leak detection



Focal Plane Array:

Resolution	640x512
Sensor	HOT MWIR
Pitch	15ym
Wavelenght	3.2 - 3.42 ym
Framerate	30 Hz

Optical, Size, and Weight:

Focal Length	640x512
HFOV	HOT MWIR
F#	15ym
Weight (without handles)	3.2 - 3.42 ym
Dimensions (LxWxH) (approx)	30 Hz
Digital Zoom	8x

Environmental:

Operating Temperature Range	-35 to +65C
Shock	Operating: 15G / Non- operating: 40G
Mounting	1/4 -20 Tripod Mount, M4 Tapped Hole
Certificaton	OOOOa Certified (<=60g/hr)

Detectable Gases:

Acetic Acid, Ammonia, Brenzene, Butadiene, Butane, Ethane, Ethylbenzene, Ethylene, Heptane, Hexane, Isoprene, Methyl Ethyl (MEK), Methane, Methanol, MIBK, Octane, 1-Pentane, Propane, Propylene, Sulphur Doixide, Toluene, Vinyl Chloride and Xylene.



ADDITIONAL FEATURES

- OGI Optimized Lens
- Shutter/Scene-based NUC
- Automatic/Manual Gain Control
- Adaptive Contrast Control (CLAHE)
- Temporal De-Noise
- Electronic Image Stabilization
- Multiple Color Palettes/LUT
- Picoblade and FFC hardware interfaces
- Simultaneous analog/Digital Output
- 32GB of Onbioard Video Sequence/Still Image Storage

ADDITIONAL FEATURES

ECCN 6A003.b4.a. Products require a licence for export. EU/NATO countries, Australia, S. Korea, Japan, New Zealand, Argentina, and India are elegible for STA license exemption. Customer and end-use documentation required. Re-export is controlled under STA rules.

APPLICATIONS:

- Systems integrators
- Pipe racks
- Gathering and Transmission lines
- Above and below ground gas pipelines
- Fuel Gas Line
- Valves
- Flanges
- Connections
- Seals
- Vent Stacks
- Compressors
- Storage Tanks and more...



Small Rig Mini V-Mount Battery for Handheld Use

Compact and lightweight to be carried around intelligent BMS chip for efficient and safe use practical OLED display for precise control.

Run Time	About 4 Hours
Charge Time	Less than 1 hour w/D-Tap Charger
Material	Fireproof PC
Capacity	14.8V, 3.4 Ah, 50Wh
Rated Power	Discharge: 50W Charge: 45W
# of Batteries included	3