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EOC-GDIC-V340 & V640 OGI Infrared Camera for Gas Leak Detection

The EOC-GDIC-V340 & V640 Optical Gas Imaging (OGI) camera offers users unmatched gas leak detection capabilities. This OGI camera can detect the smallest leaks of more than 400 different VOC gases such as methane, benzene, ethanol, and gasoline to name a few. The V340/V640 has a spectral response from 3.2 μm to 3.5 μm wavelength.

The V340/V640 integrates the most advanced High Operating Temperature (HOT) mid-IR OGI infrared detector enabling users to quickly visualize gas leaks and to accurately pinpoint the source. With real-time crystal-clear images, users can confidently scan large industrial areas rapidly, thus improving the efficiency of leak detection and repair operations.

V340 uses a highly sensitive 320x356 pixels HOT T2SL cooled OGI detector while the V640 uses a 640x512 pixels HOT T2SL OGI detector.



Key Features:

- 1. Exceptional Image Quality to accurately & quickly identify leak locations.**
- 2. Advanced HOT MWIR infrared detector. High Sensitivity, Low Power, Whisper Quiet Cooler with extended operating life.**
- 3. Live scenes display with gas leak plume overlay. On-board video & voice recording, snapshot function.**

SPECIFICATIONS

Item		Specifications		Item	Specifications	
DETECTOR	Detector type	High Operating Temperature(HOT) Mid-wave T2SL, Long-life		DIGITAL VISUAL CAMERA	Imaging Sensor	1/2.7inch CMOS
	IR resolution	320 × 256	640 × 512		Resolution	16 million pixels
	Detector pitch	30 μm	15 μm		Focal Length	8mm
	Spectral response	3.2~3.5 μm			FOV	40° x 30°
	NETD	≤12mK	≤20mK	IIMAGE	Image Modes	Visible / IR image
	F-number	1.2			Digital Image Enhancement	Edge enhancement and detail enhancement
LENS	Focal Length	35mm	23mm	Zoom	Yes (x8)	
	FOV	15° × 12°	24° × 19°	Snapshot	Yes	
	Focus	Manual / Automatic		Palettes	12: white hot, black hot, iron...	
INTERFACE	Video output	HDMI		VIDEO	Video Recording	Yes
	Data Protocol	Type-C、miniHDMI、TF card			Video Format	H.264/MJPEG
	Memory Storage	Yes			Image Preview	Support thumbnail navigation
	Power supply	DC12V 3A		EXTRA DATA	Cool-down time	< 5 min
Battery type	Liion battery		Capacity Check		Real time display of battery level	
POWER SYSTEM	Battery Operating time	> 3.5 hours at 30°C and typical use		PHYSICAL DATA	LCD Display	5.5 inch screen :1920x1080
	Charging type	Charger			Weight	≤2.8kg
ENVIRONMENTAL DATA	Operating Temperature Range	-10°C~50°C			Camera Size Including Lens(LxWxH)	311 × 196 × 195mm
	Storage Temperature Range	-40°C~60°C			Lens Size	80mm x 55mm
	Humidity	≤95°C(no condensation)				
DETECTABLE GASES:	400+ compounds such as: Methane, Acetic acid, Benzene, Butadiene, Butene, Butane, Dimethy-Benzene, Ethane, Ethylene, Ethyl benzene, Ethylene, oxide, Hexane, Heptane, Isobutylene, sopropyl alcohol, soprene,Methanol, MEK Methyl Ethyl Ketone, Octane, Pentene, Propane, Propane					

* Specifications subject to changes without notice.

APPLICATIONS



Natural gas pipeline valves



Oil storage



Transportation of finished oil and hazardous chemicals



Environmental law enforcement



Oil and gas transmission pipeline



Unorganized emissions of VOCs

BR-VX40-2023V1