

LinkedAll Aerial Solutions Releases the New OGI 640: Optical Gas Imaging Camera

Specialized Optical Gas Imaging Camera Solves Safety and Compliance Issues for Oil & Gas Companies

HOUSTON, TEXAS, UNITED STATES, August 13, 2021 /EINPresswire.com/ -- According to the [Environmental Protection Agency](#), a typical refinery or chemical plant can emit 600 to 700 tons of volatile organic compounds (VOCs) every year. Some of these VOCs can act as carcinogens. The first in line for exposure? Plant and refinery managers, and their workers.

These emissions typically come from leaking equipment such as valves, connectors, pumps, and compressors. The numbers are well in excess of EPA guidelines, creating issues with both safety and compliance.

[LinkedAll Aerial Solutions](#) is on a mission to solve the problem.

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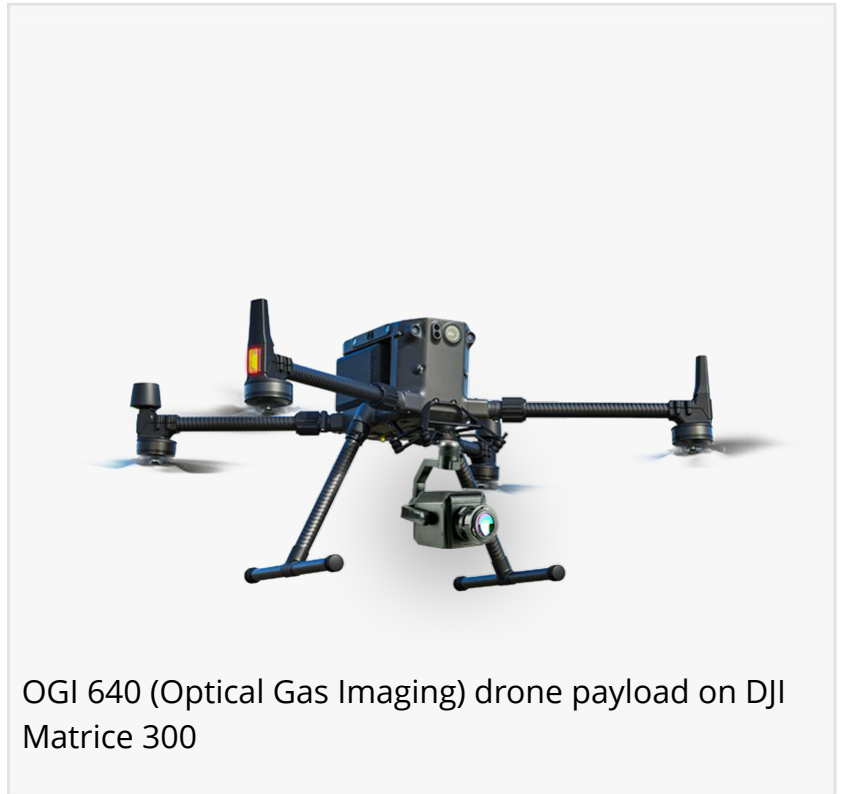
The OGI 640 is a perfect tool for the oil and gas industry. It allows the operators to increase efficiency while working in the field.”

Ricky Yu

Meet the OGI 640, the oil and gas drone payload that can detect gasses which can't be seen by the naked eye. This drone payload is designed to help plant and refinery managers detect these leaks so they may quickly address the problem and cut down on VOC emissions.

Normal optical gas imaging cameras operate the same, but using them would put operators at risk of being exposed

to dangerous concentrations of chemicals and gasses. Additionally, traditional ways of inspections aren't as efficient or cost effective because of the amount of times an outside contractor would have to come to their facility. In-house inspections wouldn't require a



OGI 640 (Optical Gas Imaging) drone payload on DJI Matrice 300

contractor and could potentially save hundreds of thousands of dollars per year.

The OGI 640 will make inspections safe and cost-effective. Operators can remain a safe distance from leaking tanks and malfunctioning equipment. One purchase allows operators to conduct the inspections as long as the drones remain operational.

This American-made camera detects acetic acid, ammonia, benzene, butadiene, butane, ethane, ethylbenzene, ethylene, heptane, hexane, isoprene, MEK, methane, methanol, MIBK, octane, 1-Pentane, propane, sulphur dioxide, toluene, vinyl chloride, and xylene. It's the smallest, lightest, lowest-powered OGI camera on the market today, and it's been combined with UAV technology to make it the safest oil and gas inspection solution on the market.

Operators will enjoy a state-of-the-art 640x512 pixel pitch HOT MWIR detector array with a special narrow bandpass cold filter in a miniature, long life, closed cycle, Stirling cooler with an f/1.5 cold shield and an optimized purpose built lens to provide unmatched thermal sensitivity. It's connected to the Matrice 300 RTK which can measure distances and location within 1 centimeter of accuracy.

"The OGI 640 is a perfect tool for the oil and gas industry," says Ricky Yu, CEO of LinkedAll Aerial Solutions. "It allows the operators to increase efficiency while working in the field. The OGI 640 offers the ability to visualize 23 different hydrocarbons. This, in return, will help increase productivity and decrease emergency situations."

LinkedAll Aerial Solutions will announce the official launch of the OGI 640 at the 4C Market Place on August 19-20, 2021. To learn more, visit <https://www.linkedall.com/ogi-640/>.



OGI 640 (Optical Gas Imaging) camera

Turn Key, Drone Based, Optical Gas Imaging Sensor

Introducing the Smallest, Lightest And Lowest Powered Optical Gas Imaging Core On The Market.

Identify Small Leaks Before They Turn Into Big Problems.

FA HSPS 0000A Certified

About

The OGI 640 (Optical Gas Imaging) camera core brings together the very latest in detector, cooler, and lens design for the detection and visualization of methane, propane, butane, and many other hydrocarbon gas leaks. The combination of these state-of-the-art components creates the smallest, lightest and lowest powered OGI camera core in the market today, making it ideal for integration into gimbals or enclosures for unmanned aerial vehicle platforms or fixed-mounted, continuous monitoring systems.

Specifications

OPTICS, SIZE, AND WEIGHT:

Part Number	SLVGA0320-00
Field Length	25mm
HDFOV	21.7°
FX	13
Weight (approx)	3.6 Pounds
Digital Zoom	4x

ENVIRONMENTAL:

Operating Temperature Range	-55 to +55C
Shock	Operating 10G / Non-operating +5G
Vibration	14-20 Tipoff Phase, 1/4 Tipoff Phase
Certification	00000A Certified (~85 g/hr)

INTERFACE:

Analog Video Output	NTSC/PAL
Digital Video Output	1440p Camera/1080p HSPS or 1080p Embedded
IP Video Output	Unicast / Multicast
IP Resolution	Up to 30FPS max/60FPS
Onboard Video Storage	16GB/32GB/64GB/128GB
Command and Control	10700C / 10700D (10700E pending)
Power Consumption	4x

FOCAL PLANE ARRAY:

Resolution	640 x 512
Array	HOT MWIR
Pixel	10 μ m
Wavelength	3.2 - 3.42 μ m
Frame Rate	30Hz

DETECTABLE GASES:

Acetic Acid, Acetylene, Benzene, Butadiene, Butane, Ethane, Ethylbenzene, Ethylene, Heptane, Hexane, Isoprene, Methyl Ethyl Ketone (MEK), Methane, Methyl Mercaptan, MIBK, Octane, 1-Pentane, Propane, Propylene, Sulphur Dioxide, Toluene, Vinyl Chloride and Xylene.

Machine and Manufacturing

Gain thermal imagery of your equipment and infrastructure, such as vent stacks, compressors, flange connections, valves, tanks, connections, seals, tanks and engines.

Oil and Gas

Monitor and survey drilling and production wells, tank gas leaks, LNG terminals, above/below ground gas pipelines, flare stacks, monitoring of buried and exposed gas and other oil and gas industry infrastructure.

Aerial Surveying

Being lightweight gives the opportunity to integrate into gimbals or enclosures for unmanned aerial vehicle platforms or fixed-mounted, continuous monitoring systems.

Task Loads

Identify gas leaks via continuous imagery of engines and other critical load and other tasks, and data storage.

CONTACT US NOW

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OGI 640 (Optical Gas Imaging) Camera Core Brochure - LinkedAll Aerial Solutions

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ABOUT LINKEDALL AERIAL SOLUTIONS

In 2015, LinkedAll Aerial Solutions launched with the goal of creating an environment where drone enthusiasts can come together, sharing what they love. It's the leading DJI Dealer and repair center in the United States. The team prides itself on giving stellar customer service to every client.

The LinkedAll team helps people with drone knowledge and technology nationwide. They work with people in construction, public safety, oil & gas, energy, agriculture, and other fields to create safe solutions for the kinds of problems good imaging can solve.

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