



# FalconOGI X1

## Optical Gas Inspection / Gas Leak Detection Payload



Airborne Innovations is proud to present FalconOGI, a drone payload that uses optical gas imaging to detect and identify gas leaks. It is currently available for the DJI Matrice M300 and M350 drones. The FalconOGI payload features an advanced 640x512 resolution cooled mid-wave infrared imaging sensor with narrow bandpass filter optimized for direct gas imaging. It also features real-time downlink of imaging video, onboard flat field correction shutter, and onboard recording of video with video overlay of time and location. The operator has real-time control of multiple gas enhancement modes for effective leak detection and gas imaging.

The sensor features an advanced 640x512 resolution cooled mid-wave infrared imaging sensor with narrow bandpass filter optimized for direct gas imaging.

The operator can view a real-time downlink of imaging video and has full control of recording, snapshots, and multiple gas enhancement modes, as well as flat field correction shutter non-uniformity corrections. Rock solid gimbal stabilization allows for standoff detection of tiny leaks.

### BENEFITS

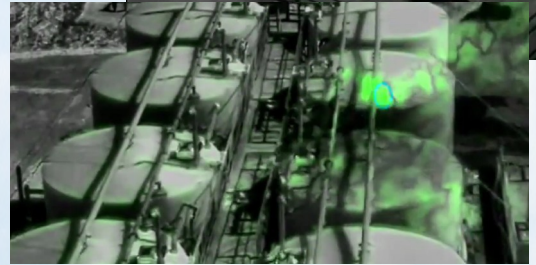
- Fast and efficient gas leak detection and identification
- Reduced risk of exposure to hazardous gases
- Reduced downtime and costs
- Improved safety and compliance

### APPLICATIONS

- Oil and gas inspection
- Power plant monitoring
- Pipeline and leak detection monitoring
- Environmental monitoring and compliance

### INFO

- Product page, manual



Gas Enhancement Mode

#### Features

- DJI M300 / M350 PSDK Integration
- Advanced Cooled MWIR 640x512 Sensor
- Realtime Downlinked Video
- Multiple Operator Controlled Gas Enhancement Modes
- Onboard MicroSD Card Video and Snapshot Recording Control
- Time and Location Video Tagging
- Contact us about Pixhawk and custom integrations

Contact us today to learn more about FalconOGI and how it can help you detect and identify gas leaks.

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