








-  EPA Compliant
-  Low SWaP
-  Gas Enhancement Mode
-  Detection Up to 200m
-  Longlife HOT T2SL
-  GPS Location

RedEagle U340 Aerial OGI Camera for Gas Leak Detection

The Cantronic's **RedEagle Aerial OGI** Camera for **VOCs** and methane gas leak detection is designed for the leak detection of methane and other volatile organic compounds. The **RedEagle** camera is also designed to be easily integrated with DJI M300, M350, and other drone models.

The infrared camera uses a high-sensitive 320x256 cooled MWIR detector. Through **UAV** image transmission, the dual image of the **VOC** gas leak source can be observed with real-time mobility.

Cantronic's **RedEagle** Aerial OGI captures detailed images from a safe distance, enhancing worker safety and reducing the risk of accidents, explosions, or exposure to harmful substances, making inspections more efficient and accurate.

- Compliant with EPA's OOOOa/b/c regulatory standards
- Visualize VOCs from a safe distance
- Plan efficient and fast inspection paths
- Exceptional service and support, with free firmware updates

	U340
Drone Compatibility	DJI M300, DJI M350 and Mavlink
Detector Technology	Long-life HOT T2SL MWIR
IR Resolution	320x256
Frame Rate	30 fps
Detector Pitch	30µm
Spectral Filter	3.2 - 3.5 µm
Thermal Sensitivity/NETD	≤15mK
Lens	15°, F = 35mm
Field of View/FOV	15° x 12°
Detection Modes	Default / Gas Enhancement / PseudoColor
Image Color	8 Color Palettes
Image Mode	IR / Visual / Dual
Detection Temperature	-20°C to +50°C
Operation Temperature	-20°C to +60°C
Interface	DJI Pilot 2 App / 3rd Party App
Storage	64GB MicroSD Card (included), supports up to 1TB
Data Output	USB-C Port
File Format	Video MP4 and Image JPG
Power Requirement	DC 12 V
Start-up Time	≤ 5 min (at room temperature)
Weight (with lens)	800gr
Size (with lens)	170 mm x 80 mm x 75 mm

**400+
Detectable
Gases**

- Methane
- Propane
- Benzene
- Butane
- Ethanol
- Ethane
- Heptane
- Hexane
- Acetic acid
- Butadiene
- Ethylene
- And more...

Applications for Oil and Gas Facilities:

- Inspection of:
Pipelines, Valves, Flare Stacks, Offshore Platforms, Storage Tanks, etc.
- Real-Time Leak Detection During Maintenance
- Environmental Regulation Enforcement
- Safety and Hazardous Area Monitoring
- Emergency Response and Crisis Management
- Remote and Autonomous Inspections