



U340

Aerial OGI Camera for VOCs and Methane Gas Leak Detection

Aerial OGI Camera for **VOCs** and methane gas leak detection is designed for the leak detection of methane and other volatile organic compounds. The **U340** camera is designed to be paired up with the M300 RTK UAV/ Drone or newer.

The infrared camera uses a high-sensitive **320x256** medium wave cooled infrared detector/ Through **UAV** image transmission, the dual vision image of **VOCs** gas leak status can be observed with mobility in real time. The system is suitable for real-time online detection of **VOCs** gas leak in industrial fields, such as refineries offshore oil and gas extraction platforms, natural gas storage and transportation sites, chemical industries, biogas plants and power stations.

- Visualize VOCs gas
- Image/video from a safe distance
- Plan the inspection path
- Efficient and fast inspection
- Non-destructive non-contact inspection
- Automatic sampling at inspection points

	U340
System configurations	One DJI M300RTK and one aerial OGI camera
Detector type	HOT T2SL
Detector resolution	320x256
Detector pitch	30µm
Spectral response	3.2~3.5 µm
NETD	≤15mK
Focal length	23mm
FOV	24°x19°
Digital image enhancement	Equipped with automatic image filtering and digital detail enhancement functions
image adjustment	Brightness and contrast
Image color	8 types of back heat, white hear, and fake color
Digital zoom	1-8 times continuous
Image mode	Temperature measurement mode, ordinary mode, gas mode
measurements temperature range	-20°C~+50°C
Operating temperature	-20°C~+60°C
Image output	Micro HDMI maximum output image support 1920x1080
Interface	DJI H.264 USB/HDMI
Storage	64G TF card can store images and vides files with temperature data
Voltage	DC10-28V
Cool-down time	<6min (room temperature)
Weight	≤800g (without lens)
Size	140mmx85mmx95mm (without lens)

Detectable gases

400+ compounds: Methane, Acetic acid, Benzene, Butadiene, Butene, Dimethyl-Benzene, Ethane, Ethylene, Ethyl Benzene, Ethylene oxide, Hexane, Heptane, Isobutylene, Isopropyl alcohol, Isoprene, Methanol, MEK, Methyl Ethyl Ketone, Octane, Pentene, Propane, Propana.

Applications:

- Natural gas pipeline valves
- Oil storage
- Transportation of finished oil and hazardous chemicals
- Environmental law enforcement
- Oils and gas transmission pipeline
- Unorganized emission of VOCs