



OSCAR OGI™ Optical Gas Imager

POWERED BY



HIGH PERFORMANCE 6-INCH STABILIZED EO/HOT MWIR OPTICAL GAS IMAGING SYSTEM FOR AIRBORNE APPLICATIONS

DETECTABLE GASSES

Ethane, Propane, Propylene, methane
1-Pentene, Butane, Ethyl Benzene, Heptane
Hexane, Isoprene, Octane

VISUALIZE HYDROCARBON GASES

Including Methane and Propane

MWIR AND VISIBLE CAMERAS

Day and night operations capable

INDUSTRY APPLICATIONS

Transportation Lines, Drilling Sites, Refineries

DETECTOR TYPE

High Operating Temperature MWIR

GAS ENHANCMENT MODE

Colorizes hydrocarbon gas leaks

ONBOARD GPS/ INS

Real-time sensor location and attitude

CERTIFICATIONS

0000a Certified Ventus OGI sensor



FEATURES

- Real time colorized detections
- 30 Hz Frame rate
- NTSC Analog video output
- 14-bit Digital video output
- Digital Zoom / Pan 2x, 4x, 8x
- CSV metadata for use in mapping applications
- Removable USB data storage
- Field upgradeable software

ELECTRICAL

- Gimbal control over serial
- Camera link video connector
- 16W Typical at 24V input, Maxium 110W Peak
- 24VDC regulated input (21.8V - 25.4V)
- GPS L1C/A, GLONASS L10F, BeiDou B1I
- GPS Connector: CAN2
- Multiple control/monitor interfaces
 - UART
 - Sbus
 - Micro USB
 - PWM
 - Ethernet

MECHANICAL

SPECS

- Hybrid aluminum and composite construction
- Payload weight 6.3 lbs
- 14,500ft MSL | 0-90% Humidity
0-60C Temp
- Universal mount
- 3-axis closed-loop stabilization
- Universal controller



CAMERA CONFIGURATION

	VENTUS OGI F1.5 optical zoom		16mm Visible Global Shutter
RES	640 x 512		1440 x 1080
FL	25mm	50 mm	16mm
HFOV	21.7 Deg	11.0 Deg	17.6 Deg
VFOV	17.5 Deg	8.0 Deg	13.3 Deg