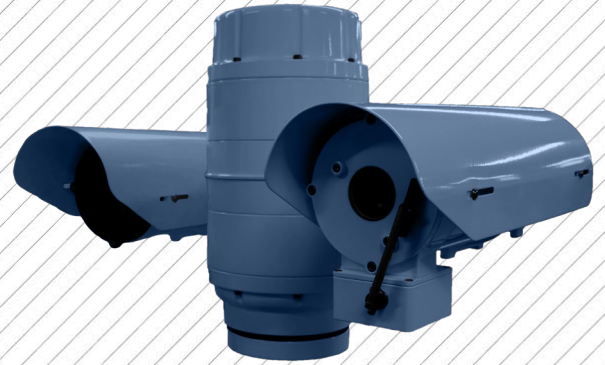


# OSIRIS OGI

## COOLED MWIR OPTICAL GAS IMAGING LENS OPTIONS:

25mm

50mm



\* Illustration indicative & subject model

The Osiris OGI (Optical Gas Imaging) camera brings together the very latest in detector, cooler and lens design for optimizing the visualisation 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 thermal camera on the market today making it ideal for integration continuous monitoring systems.

Ideal Applications: Pipelines, above and below ground gas pipelines, fuel gas lines, valves, pumping stations, connection, seals, vent stacks, compressors, gas storage tanks and many more.

## KEY FEATURES

- The visualisation of hydrocarbons, including methane, propane, butane and more
- Cooled thermal camera offers outstanding images for gas and security purposes
- Cooled MWIR thermal sensors with fixed lens options of 25mm and 50mm
- Up to 20,000 hour cooler life
- 360° continuous rotation with pan and tilt speeds between 0.02° and 45° per second
- High level of camera positioning accuracy: 0.002°
- Absolute feedback, virtually zero backlash with automatic self position correction
- Unique cable managed, rapid release mechanism and bore sighting allows cameras to be quickly installed and changed in the field
- Ruggedised for extreme and challenging environments
- IP67 rating
- Ideally suited for single mast deployments such as mobile, border and maritime applications



### DETECT GASES

Including methane, propane, butane, and many others



### RAPID RELEASE MECHANISM

Allows quick changing of payloads

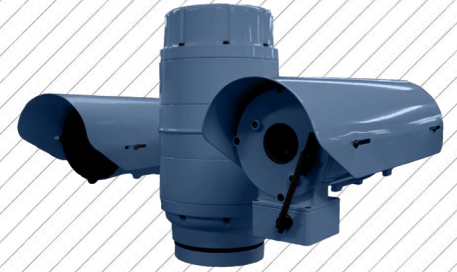


### HIGH SENSITIVITY

Clear images from 15µm detector and MWIR thermal with 640x512 resolution

# OSIRIS OGI

## COOLED MWIR OPTICAL GAS IMAGING CAMERAS



\* Illustration indicative & subject model

### THERMAL SENSOR – 640 x 512, 15µm PIXEL PITCH

Focal Length	25mm	50mm
Horizontal FOV	22°	11°
F Number	F1.5	F1.5
Cooler MTBF	Up to 20,000 hours	
Sensitivity	<35 mK	
Detector Type	Cooled XBn "Hot"	
Resolution	640 x 512, 15µm	
Spectral Band	3.2 - 3.4µm (MWIR)	
Frequency	30Hz	
Focus	Manual	
Digital Zoom	2x, 4x and 8x	
Image Stabilisation	Yes, electronic (cost option)	

### HD VISIBLE SENSOR

Focal Length	4.3mm to 129mm	
Image Sensor	1/2.8" CMOS Exmor (2.13MP), full HD 1080p (1920 x 1080)	
F-Number	F1.6 to F4.7	
Horizontal FOV	63.7° (W) to 2.32° (T)	
Optical Zoom	30x	
Digital Zoom	12x	
Focus	Automatic, manual	
Min. Sensitivity	Colour 0.01 lux, mono 0.0008 lux (high sensitivity mode)	
Other Features	De-fog, digital noise reduction, WDR, image stabilisation, boresight adjustment	

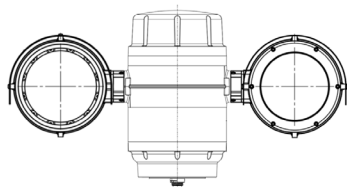
### OSIRIS PAN AND TILT UNIT (PTU)

Pan Range / Velocity	360° continuous / 0.02° to 45.0° per second
Tilt Range / Velocity	-90° to +90° / 0.02° to 45.0° per second
Accuracy	0.002° / 0.035 mRad
Repeatability	0.002° / 0.035 mRad
Actuation	Custom stepper motors
Speed Control	Zoom dependent speed control (subject to payload)
PTU Weight	15.2kg / 35.5lb (excluding mounts and payloads, payload capacity 50kg)
PTU Size (mm)	H361.3 x W225 x D225 (excluding mounts and payloads)

### PART CODES

RHT07IGDB22FBL	Cooled Optical Gas Imaging (OGI) thermal IP camera, with a 25mm, F1.5 thermal lens and array format of 640x512, 30Hz, blue colour
RHT07IGDB11FBL	Cooled Optical Gas Imaging (OGI) thermal IP camera, with a 50mm, F1.5 thermal lens and array format of 640x512, 30Hz, blue colour

### TYPICAL OSIRIS CAMERA PLATFORM\*



\* Illustrations are indicative and subject to the final configuration/model.

### IMAGE PRESENTATION

Video Output	IP, ONVIF, RTSP and Composite (PAL / NTSC)
Video Over IP	Integrated IP encoders provide simultaneous H.264 RSTP (H.265 optional) and ONVIF Profile-S

### TELEMETRY

Presets	127x Preset positions, 16x preset tours
Protocols	Pelco D, Pelco D Extended, ONVIF Profile S
Interface	RS485, ONVIF Profile-S, Serial <-> IP
Positioning	Absolute positioning feedback

### INTERFACES

Ethernet	Command and control of all functions incl. streaming of H.264 Video (ONVIF)
RS485	Command and control of all functions and firmware upgrade

### ELECTRICAL AND MECHANICAL

Input Voltage	Nominal 30vDC (28-32vDC)
Power Consumption	Typical: 53W, peak: 100W (including thermal and visible sensor payloads)
Housing Material	Anodised aluminum (sunshields are iridized aluminum), white powder marine grade paint finish (other colours are available upon request)

### ENVIRONMENTAL

IP Rating	IP67
Temperature Range	-32°C (-25°F) up to 65°C (149°F) (-40°C with optional heater)

Osiris PT Platform Mounting

