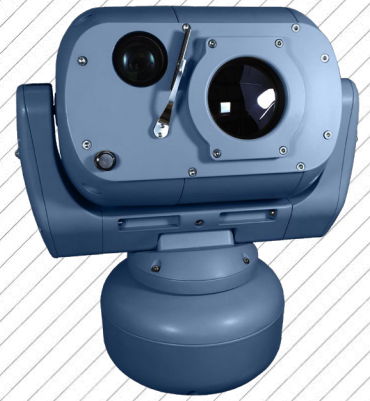


# AERON OGI

COOLED MWIR OPTICAL GAS IMAGING LENS OPTIONS:

25mm

50mm



\* Illustration indicative & subject model

The Aeron 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, thief hatch monitoring, 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 10,000 hour cooler life
- 30x zoom HD visible sensor with a wiper as standard
- 360° continuous rotation with pan and tilt speeds up to 160° per second
- High levels of camera positioning accuracy: 0.01°
- Absolute feedback, virtually zero backlash with automatic self position correction
- Compact and ruggedised for extreme and marine environments
- IP67 rating
- Mounting options include inverted, upright or inclined
- Suitable for mobile and vehicle mounted applications



### DETECT GASES

Including methane, propane, butane, and many others



### WIPER AS STANDARD

The visible HD camera comes with a wiper as standard



### HIGH SENSITIVITY

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

# AERON 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	21.7°	11°
F Number	F1.5	F1.5
Cooler MTBF	Up to 10,000 hours	
Sensitivity	<35 mK	
Detector Type	High Operating Temperature (HOT) MWIR	
Resolution	640 x 512, 15µm	
Spectral Band	3.2 - 3.42µm (MWIR)	
Frequency	30Hz	
Focus	Manual (push autofocus cost option)	
Digital Zoom	2x, 4x and 8x	
Image Stabilisation	Yes, electronic (cost option)	
Image Processing	Gas Enhancement Mode, Local Area Processing, Dynamic Contrast Enhancement, Noise Reduction Filter, Foreground And Background Boost Contrast, Automatic Gain And Level Control	

### 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	

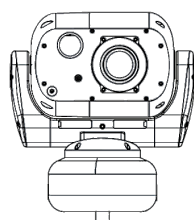
### AERON PAN AND TILT UNIT

Pan Range; Pan Velocity	360° continuous; 0.01° to 160.0° per second
Tilt Range; Tilt Velocity	-30° to +90°; 0.01° to 160.0° per second (upright) -90° to +30°; 0.01° to 160.0° per second (inverted) -68° to +90°; 0.01° to 160.0° per second (inclined)
Accuracy	0.01° / 0.17 mRad
Repeatability	0.05° / 0.87 mRad
Actuation	Custom stepper motors

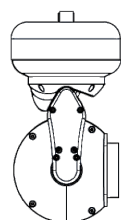
### PART CODES

RC4-51IYJ30X-GD21FBL	Aeron, IP, 640x512, 30Hz, gas detection (OGI) thermal camera with a 25mm thermal lens, and a HD, 4.3-129mm (30x optical zoom lens) video camera, blue colour
RC4-51IYJ30X-GD11FBL	Aeron, IP, 640x512, 30Hz, gas detection (OGI) thermal camera with a 50mm thermal lens, and a HD, 4.3-129mm (30x optical zoom lens) video camera, blue colour

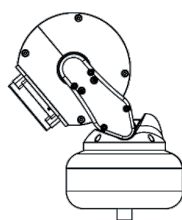
### TYPICAL AERON COMPACT PTZ CAMERA



[Upright]

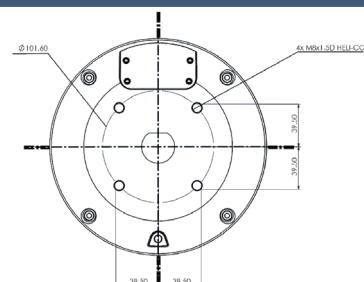


[Inverted]



[Inclined]

**Aeron Fixing Points**  
(base of the Aeron with an industry standard 4" PCD mount)



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

Specifications may be subject to change without notice.  
E&OE 24/11/21 V4.0

