

# » MetCam

## Models A160100xxx0 - Methane Optical Gas Imager

MetCam is a fully integrated Quantifying Optical Gas Imaging (QOGI) device which increases site safety by continuously monitoring leaks, covering a large volume, locating and alarming on the presence of hazardous clouds.

MetCam also detects small emissions so that effective preventive maintenance operations can be conducted.

Metcam is certified for installation in hazardous locations (Zone 1, Class I Div 1)

Metcam detects Methane leaks in various Natural Gas phases (natural/liquefied/compressed), in facilities such as Compression stations, Natural Gas skids, LNG gasification/liquefaction facilities, LNG and CNG fueling stations.

MetCam output video and alarm signals are displayed and recorded in the control room using standard ONVIF interface.

Industry standard 4-20 mA output is available on-board MetCam, providing smooth integration into existing alarm systems.

MetCam utilizes advanced algorithms for operation in demanding environments and to minimize false alarms.

MetCam is a reliable and maintenance free device, other than periodical external cleaning.



### » HIGHLIGHT FEATURES

- ▶ 24\7\365 automatic Methane leak detection.
- ▶ Rates gas cloud threat by quantifying cloud dimensions and concentration.
- ▶ Visualizes the gas cloud and leak source on a live video.
- ▶ Industry standard 4-20 mA alarm on-board output.
- ▶ Standard GigE long distance interface with control room.
- ▶ Optional WiFi interface.
- ▶ Incidence recording on internal memory.
- ▶ Withstands harsh environment, IP66 compliant.
- ▶ Self-calibrated, low maintenance cost.
- ▶ Approved for hazardous areas/explosive atmospheres, Zone 1 / Class I, Div.1
- ▶ Provides situational awareness video streaming.

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### » ADVANCED INTERFACE FEATURES

- ▶ Supports user management with password control.
- ▶ Flexible network setting options.
- ▶ Access logs and download saved data with ease.
- ▶ Detection parameter setting.

### » SPECIFICATIONS

<b>OPTICAL</b>		
Field of View	68° Horizontal X 23° Vertical	40 x 12 meters @ 30 meters distance
Working range	10 – 50 meter distance	
<b>DETECTIVITY</b>		
Safety mode alarm levels	A1 and A2 discrete alarms	
Emissions mode	minimal detection level <60 gr/hr Methane	
<b>ELECTRICAL</b>		
Power input	16-32 VDC	
<b>COMMUNICATION</b>		
Local	4-20 mA Warning , alarm, inhibit & fault	
To ONVIF Client	Gigabit Ethernet or WiFi (optional)	
<b>ENVIRONMENTAL</b>		
Explosive Atmosphere Certification	ATEX: II 2 G Ex db ia IIB+H2 T5 Gb IECEX: Ex db ia IIB+H2 T5 Gb -40°C < Ta < 60°C	NEC 500 Class I Div 1 Groups B, C, D, T5 -40°C < Ta < 60°C
Relative Humidity	0% - 100%	
Ingress Protection	IP66 IEC 60529	
<b>PHYSICAL</b>		
Dimensions	156 x 236 x 183 mm without accessories	
Weight	4.3 kg	
<b>INTERFACE</b>		
Mechanical	4 x 10-32 UNF	
Gland entrance thread	3/4" NPT or M25x1.5	