# Vision Gas Camera

# EyeCGas

# Feature



## **Field productivity**

Robust, ruggedized and hazardous environment certified, simplifying and broadening opportunities for use inside the facility limits without the need of a hot work permit, allowing video and audio recording while maintaining intrinsic safety.

#### No more guesswork

The EyeCGas<sup>™</sup> includes a digital CCD camera for fast recognition of the components being inspected or leaking, also available for video recording.

# Powerful but simple

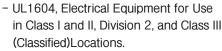
The EyeCGas<sup>™</sup> allows the inspection of vast areas in a plant with an Automated and simple user interface, visualizing the infrared image on a large color LCD.



## Specialized

EyeCGas<sup>™</sup> is an Infrared Camera specially designed for the Petrochemical and Gas & Oil market requirements for gas detection and Smart LDAR compliance.

## ) Safety



- CSA C22.2 No. 213–M1987, Non Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.
- ANSI/ISA-12.12.01 Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III Hazardous (Classified) Locations.
- ATEX II 3G Ex nL IIC T6.







\*Specifications are subject to be changed without prior notice.

# Specification

Imaging Performance	
Thermal Imager	
Thermal Sensitivity	20mK@ 25°C
F #	1.1
Field of View	18° with 30 mm lens
Focus near	<0.5m
Focusing	Manual
Digital Zoom	x2, x4
Digital Video Camera	٨८, ٨٩
Embedded Digital Camera	VGA, fixed focus, for situational awareness
Detector	
Туре	Cooled High Sensitivity, 320x240 pixels
Spectral range	$3-5\mu$ m
Power Input	
Voltage	12 VDC
Power consumption	14.4 W
Battery Life	4 hours continuous
Physical Characteristics	+ Hours continueds
Weight (with battery and lens)	2.5 kg (5.5 lbs.)
Color	Grey and Black
Size in (LxHxW)	9" x 4.3" x 5.1" (230 x 110 x 130)mm
	Tripod mounting UNC 1/4", rotation safe
Display	
Display Unit	3.5" Color LCD 640X480
Environmental Conditions	
Operating temperature range	-20°C to + 50°C
Storage temperature range	$-40^{\circ}$ C to + 70^{\circ}C
Temperature and Humidity	IEC 60068-2-30 Temp. +25°C / +40°C Humidity 95% RH
Temperature and Humidity	FCC 47 CFR part 15 subpart B - Radiated Emissions
EMC/ EMI	EN 610000-6-4 : 2007 class A - Radiated Emissions EN 610000-6-2 : 2005 class A - Immunity to Electrostatic Discharge (ESD) EN 610000-6-2 : 2005 class A - Radiated Immunity to RFE EN 610000-6-2 : 2005 class A - Radiated Immunity to Power Frequency magnetic field
Vibration	2.4 GRMS Random Vibration
Water and Dust Protection	IP65 - Blowing Dust test IP65 - Jetting Water
HALT - High Accelerated Life Test	Vibration level: Max temp : 55 deg, Min temp : -20 deg
Safety	EN60950-1:2006
Safety	UL1604, Electrical Equipment for Use in Class I and II, Division 2, and Class III (Classified) Locations. CSA C22.2 No. 213-M1987, Non Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous
	Locations. ANSI/ISA-12.12.01 - Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations. 2011 edition. ATEX II 3G Ex nL IIC T6
Environmental Conditions wh	
Free Fall (Drop) Test	ASTM-D 4169-06 Schedule A
Loose cargo vibration Test	ASTM-D 4169-08 Schedule F Test method D999
Vibration	ASTM-D 4169-08 Schedule F Test method D999
Gas Leak Detection Performa	
Operation features	Auto Mode and Enhanced Mode
Designed for detection of	Ethylene, 1-Hexane, Propanal, 1,3-Butadiene, 1-Butene, Methane, Propylene 1-pentene, Styrene, Toluene, Acetic acid, Xylene, 1,2-dimethyl-Benzene, Isobutylene, Isoprene, Benzene, Ethyl benzene, Ethylene oxide, Hexane, Methanol, Propylene oxide, Propylene, Ethane, Octane, Heptane, Isopropyl alcohol, MEK Methyl Ethyl Ketone 2-butanone, Propane, Butane, Pentane
Digital Video and Audio Reco	rding
Video and Audio recording	Digital recorder build-in with connection to PC via USB 2.
Storage Capacity	Up to 8 hours of MPEG4/H.264 in ENH mode of video & audio recording in a 16 Gbyte SD card (Built In)
Others Features	
Connectivity	Bluetooth, USB 2
Supplied Accessories	
	Battery Set (3), Tri Battery Charger, USB Cable, Headset, Neck strap, Glare Shield, Carrying Case
OPTIONAL ACCESSORIES	
	75mm f#1.2 Lens - FOV 7.3° x 5.5° - P/N 8G9T7500A