

Explosion Proof 1080p Analog Remote Observation Camera - Day/Night Infrared - 12V DC EXPCMR-ALG-1080P-12V

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



EXPCMR-ALG-1080P-12V Explosion Proof Remote Observation Camera

Dimensions: 8"L x 6"W x 9"H
Camera Weight: 8 lbs
Total Watts: 3.5W Max
Voltage: 12V DC
Video Framerate: 1080p @ 30fps
Image Sensor: 1/2.7" Progressive Scan CMOS
Signal System: NTSC
Effective Pixels: 1930(H) * 1088(V)
Min. Illumination: 0.1 Lux @ F1.2 AGC On / 0 Lux w/ IR
Shutter Speed: 1/30s to 1/50,000s
Lens: 3.6mm
Angle of View: 90°
Day/Night: ICR
Infrared Range: Up to 50'
D/N Mode: Color / BW/ Auto / EXT
White Balance: Auto / User / Push / 8000K / 6000K / 4200K / 3000K
Privacy Mask: On/Off, maximum 2 zones
Motion Detection: On/Off, maximum 4 zones
Blacklight Compensation: Support
Anti-flicker: On/Off
Display Functions: Digital noise reduction, Mirror
Video Output: (1) Analog HD Output
Protocol: Coaxitron
Signal to Ratio: >52 dB
Language: English
Ambient Temperature Range: -10°C to +50°C
Housing Materials: Aluminum
Lens Material: Tempered Glass
Mounting: Adjustable Bracket w/ Set Screws
Power Connection: Terminal Strips, Customer Provided Cord
Signal Connection: BNC Connector, Customer Provided Cord
Wiring Hub: (2) 3/4" NPT
Wiring: Customer Provided 2-Conductor Cable & Coax Cable

Quick Summary

Class I, Divisions 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H2, IIA
Class II, Divisions 1 & 2, Groups E, F, G
Class III, Divisions 1 & 2
Ex db IIC Gb
Ex tb IIC Gb Db IP66
NEMA 3, 4, 4X, 7 (B, C, D), 9 (E, F, G)

Special Orders- Requirements

Contact us for special requirements
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E-mail: sales@larsonelectronics.com

The EXPCMR-ALG-1080P-12V explosion proof high definition analog camera from Larson Electronics is an inspection camera that can be used for remote observation in hazardous locations. It is available in a fixed lens configuration, a 3.6mm 90° lens to capture large wide areas, and can produce an image up to 1080p resolution. The EXPCMR-ALG-1080P-12V

allows operators to see visual process data from a centralized control room up.

Camera Features: The EXPCMR-ALG-1080P-12V explosion proof camera is designed to allow operators to have a live feed from inside a tank, reactor, vessel or other workplace observation in hazardous locations. The explosion proof camera is incredibly durable and ready to be deployed in many different workplace conditions. The camera is operated remotely from a centralized control room which saves both time and money as well as contributing to workplace safety. This explosion proof camera features an infrared LED array to allow for low light and nighttime visibility. The camera will automatically switch over to IR mode when lux levels drop below a preset level. This allows operators to have up to 50' of visibility in the dark. True day/night infrared cutoff filter removal creates a crisp, sharp image that transmits with zero latency to HD resolution via metal clad coax cable to customer provided remote mount DVR systems.

This remote inspection camera features a pressure-resistant 316 stainless steel body and weighs just under 4.5 pounds. The camera itself features 1 lux sensitivity, a 2-wire transmitter and a polished stainless steel mounting bracket as well as a built-in color CCD camera and a 1/3" CCD sensor. The lens of the EXPCMR-ALG-1080P-12V features a viewing angle between 28° and 60° and the minimum lens to object distance is 3.15 inches.

Wiring: Link-up with the camera is achieved via customer provided coax cable with BNC connector through a 3/4" NPT. The cable is ran back to the customer provided DVR system, mounted outside the hazardous location. Terminal strips within the camera allow customers to terminate the power supply for the camera through a separate 3/4" NPT. This unit operates on 12V DC current.

Mounting: The EXPCMR-ALG-1080P-12V explosion proof remote observation camera is typically mounted to flat surfaces for observation. The included adjustable flat surface bracket has two set screws on the bracket, allowing operators to loosen the mounting bracket, adjust the camera's tilt orientation, and retighten to hold the camera in position. A single thru-hole mounting bolt allows operators to adjust the rotation of the camera by loosening one bolt. Accessory pole mounts and magnetic mounts are available.

Applications: Vessel, tank and reactor monitoring, remote observation of external facilities, monitoring of cleaning, spray patterns, mixing, foaming, reaction, and level.

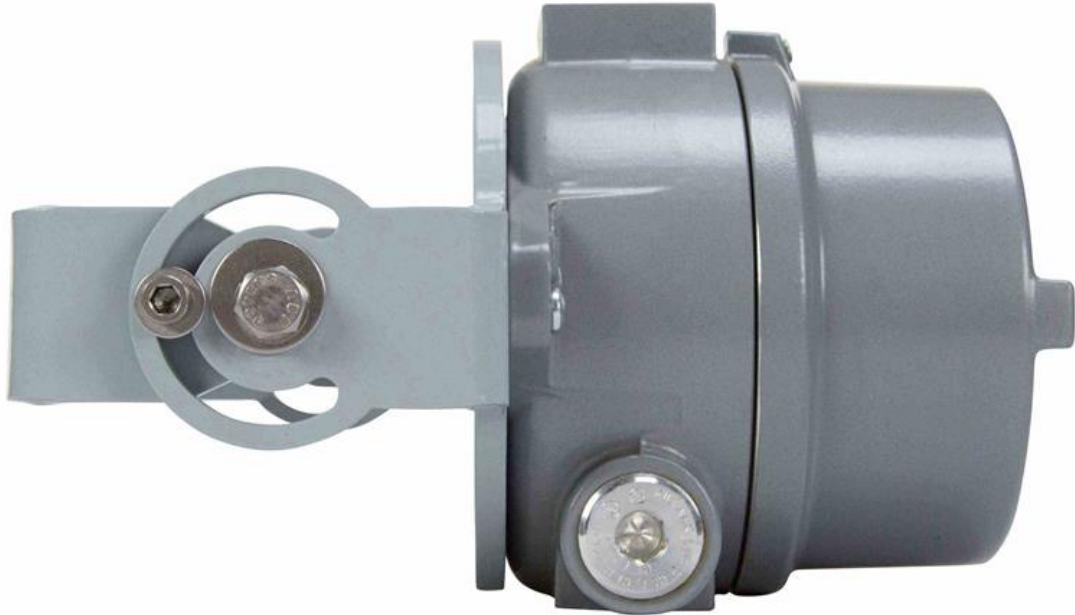
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Frequently Asked Questions (FAQ)









Links (Click on the below items to view):

- [ATEX Certificate \(European Explosion Proof\)](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 3, Misc](#)
- [Certificate 4, Misc](#)
- [Eye Safety Information/Certificate](#)
- [IEC Ex Certificate \(International Explosion Proof\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [SpecSheetSpanish](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
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