

Explosion Proof 1080p HD Camera - Optical & Digital Zoom - IP67 - 24V - 220' 12/4 SOOW w/ Disconnect

EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2

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



EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2 Explosion Proof Remote Observation Camera

Dimensions: 8"L x 6"W x 9"H

Camera Weight: 3.7 lbs

Total Watts: -

Voltage: 24 V DC

Image Sensor: CMOS

Signal System: NTSC

Connectors: Terminal Strips

Effective Pixels: 1956(H) * 1266(V)

Min. Illumination: 0.1 Lux @ F1.2 AGC On / 0 Lux w/ IR

Shutter Speed: 1/25(1/30s) to 1/50,000s

Lens: 5-50mm Focal Length

Angle of View: 90°

Day/Night: ICR

Video Framerate: 1080p @ 30fps

Video Output: Analog over Copper Wire

Signal to Ratio: >62 dB

Language: English

Ambient Temperature Range: -10°C to +60°C

Housing Materials: Aluminum

Lens Material: Tempered Glass

Mounting: Adjustable Bracket

Cord Configuration: 220' 12/4 SOOW Cord w/ Flying Leads - 20' 12/4 SOOW Cord

Between Camera and EXP Plug/EXP Connector, 220' 12/4 SOOW Cord w/ Flying Leads at
End

Plug/Connector Type: EXP 4-pole 4-wire

Wiring Hub: (2) 3/4" NPT

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)

IR On/off via the DVR

Special Orders - Requirements

Contact us for special requirements

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The EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2 Explosion Proof Camera from Larson Electronics is designed for security and remote observation in both indoor and outdoor hazardous environments. This 1080p HD high resolution security camera features a 150` range, 10x optical zoom with autofocus, and 62x digital zoom for maximum coverage and accuracy. A digital inverter supports both HD-TVI and CVBS analog output. For reliable connection to a power source, the 24 V device comes with 220' of 12/4 SOOW cord and an explosion proof plug and connector. Camera Features: The EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2 security camera provides operators in hazardous areas with crisp 1080p HD high

resolution images. A 5-50mm motorized lens automatically adjusts focus, providing operators with a precise 10x optical zoom and autofocus and 62x digital zoom image. A digital inverter supports both HD-TVI and CVBS analog output to a customer provided remote mount DVR system. This 24 V camera measures a compact 12.34" x 3.96" x 4.22" and the mounting base allows for precise aiming with 90° of vertical adjustment.

Unlike other explosion proof security cameras on the market today, operators do not need to open the enclosure to change the camera's settings. Infrared functionality can be turned on/off via the DVR, greatly reducing human error and time spent in dangerous work environments.

The EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2 security camera is built to perform under harsh and rugged conditions. This IP67 rated waterproof unit resists the corrosive effects of weather, dust, dirt, and humidity. This Class I Divisions 1 & 2, Class II Divisions 1 & 2, Class III Divisions 1 & 2 rated camera provides property and product security while also protecting operators with its safe and reliable explosion proof and weatherproof design.

Wiring: The EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2 is equipped with 220' of 12/4 chemical and abrasion resistant SOOW cord. The 24 V camera is connected to 20' of 12/4 SOOW cord with the 4-wire explosion proof plug at the other end. A 4-wire explosion proof connector that attaches/connects to the explosion proof plug is equipped with 200' of 12/4 SOOW cord with flying leads, completing the wiring configuration. Both the explosion proof plug and explosion proof connector are 4-pole, 4-wire and constructed of non-sparking aluminum. The cable connections on this unit are epoxy coated (potted) at both the camera and the quick disconnect.

Mounting: The EXPCMR-ALG-OZ-IC-1080P-1224-200C-QD-20C-12.4-M2 explosion proof security camera is secured to a flat surface, such as a ceiling or wall, using an adjustable reverse pedestal style bracket. The included mounting bracket allows 90° vertical adjustment and 360° of swivel for precision aiming.

Applications: Vessel, tank and reactor monitoring, remote observation of external facilities, offshore and land based rigs, indoor and outdoor security, commercial buildings.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.



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](#)
- [IEC Ex Certificate \(International Explosion Proof\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)