

EXPCMR-IP-4MP-IR-12VDC

Explosion Proof Network IP Camera - 8.0MP Resolution - 15FPS - Low Light IR Array - 12V DC

Product ID: 152612

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



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EXPCMR-IP-4MP-IR-12VDC Network Explosion Proof Camera

Dimensions: 8.18" x 7.65" x 5.20"
Camera Weight: 6 lb
Total Watts: 5W (Max)
Voltage: 12V DC
Image Sensor: 1/2.7" Progressive Scan CMOS sensor
Signal System: NTSC
Video Resolution: 8MP (3840*2160)
Frame Rate: 15fps (3840*2160)
Compression Type: H.265, H.264, MJPEG
Bit Rate: 128Kbps - 16Mbps
Focal Length: 2.8mm @F1.6, Fixed-focal
Max Field of View: 83°
Shutter Speed: Auto/Manual, 1 ~ 1/100000s
Min. Illumination: 0.01 lux (Color), F1.6, AGC ON)
IR Range: 45 ft
Day/Night: True D/N w/Mechanical Cut Filter
Digital Noise Reduction: 2D/3D DNR
Ethernet Interface: RJ45
Ethernet Speed: 10/100
Protocols: IPV4, IPV6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL, TLS, SSH
Remote Configuration: Yes
Ambient Temperature Range: -22°F to +140°F
Housing Materials: Copper-free Aluminum Alloy
Lens Material: 3/8" thick Tempered Glass
Mounting: Adjustable rear-mounted handle/bracket

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)
Main steam and two sub streams
Capable of programming unique settings per stream
ONVIF (Profile S, Profile G, Profile T), API , SDK
True WDR (wide dynamic range) 120dB for auto adjusting
NDAA Compliant

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364

Wiring Hub: (2) 3/4" NPT

E-mail: sales@larsonelectronics.com

The EXPCMR-IP-4MP-IR-12VDC Network Explosion Proof Camera from Larson Electronics is a remote inspection camera specifically designed for observation in hazardous locations. This explosion proof, dust/ignition proof, weather proof and tamper resistant camera provides the operator with a live feed from inside tanks, reactors, vessels or other hazardous locations. Operated remotely from a centralized control room, this 12V DC remote inspection camera saves both time and money as well as contributing to workplace safety.

Camera Features: The EXPCMR-IP-4MP-IR-12VDC Network Explosion Proof Camera features a built-in 1/2.7" progressive-scan CMOS image sensor that delivers up to 8.0MP resolution at 15 fps. The wide angle fixed lens with 83° field of view covers a large area, and an integrated IR LED array provides the operator with low light and nighttime visibility up to 45'. The camera operates on 12V DC and automatically switches from full color to IR mode when visible light falls below a certain level. This remote inspection camera utilizes Advanced Infrared Technology, 120dB true Wide Dynamic Range, 2D/3D Digital Noise Reduction and a true day/night IR-Cut filter Removal to produce clear images in variable and low light conditions. This explosion proof camera provides a crisp and clear image for everything within the 83° focal area. Total distance is dependent on mounting height and angle.

Wiring: Link-up with the camera is achieved via a customer provided RJ45 Ethernet cable which is ran back to the customer provided DVR system mounted outside the hazardous location.

Recording: To record the stream from this camera, a NVR (network video recorder) is required. Larson Electronics provides a line of explosion proof, hazardous location, and non-classified NVR's to work in conjunction with this explosion proof camera. This camera is live-view capable without any NVR system via remote access to the camera. Three streams are available, one main stream for recording and two sub streams for live viewing or additional resources. Each stream can be configured to different resolutions and frame rates.

Mounting: The EXPCMR-IP-4MP-IR-12VDC Network Explosion Proof Camera features an ATEX/IECEx certified copper-free aluminum alloy body and weighs a total of 6 pounds. The camera includes an adjustable rear-mounted polished stainless steel mounting bracket/handle. Additional accessory pole mounts and magnetic mounts are available separately.

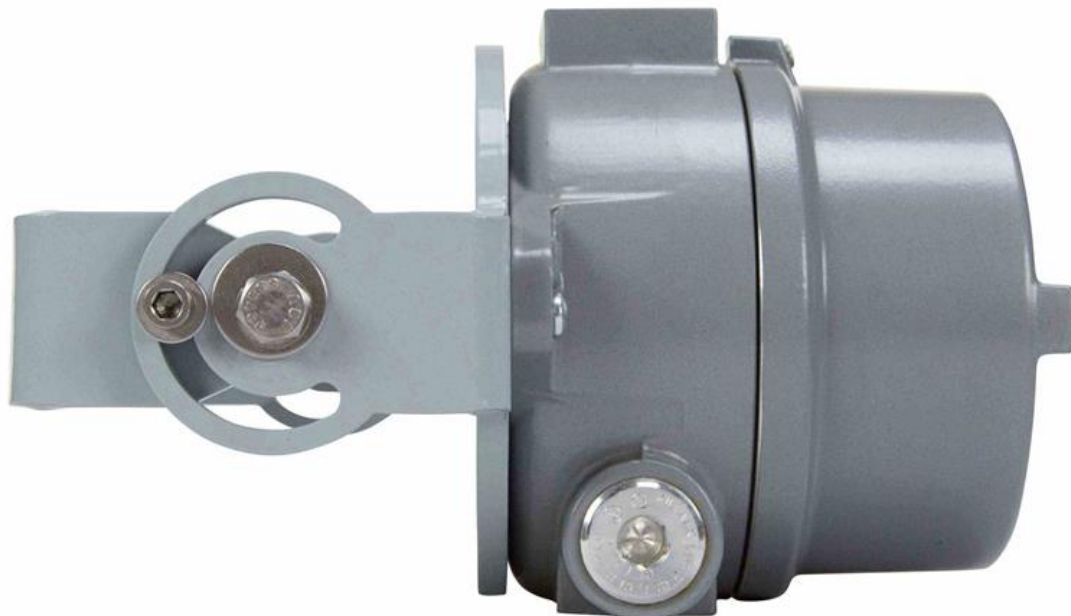
Applications: Vessel, tank and reactor monitoring, remote observation of external facilities, monitoring of cleaning, spray patterns, mixing, foaming, reaction, and level.

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)









Export Control Classification Number (ECCN): EAR99

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](#)
- [Dimensional Drawing 2D](#)
- [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](#)
- [HigResPic1](#)
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