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Explosion Proof Network IP Camera - 2.0MP - 30FPS - Low Light IR Array - 108° FOV - Surface Mount - Natural Metallic Powder Coat

EXPCMR-IP-POE-2MP-IR-108D-MOD2

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

EXPCMR-IP-POE-2MP-IR-108D-MOD2 Network Explosion Proof Camera

Dimensions: 2.76" x 6.1"
Camera Weight: 0.9 lb
Total Watts: 5W (Max)
Power Source: PoE (802.3af)
Image Sensor: 1/2.5" Progressive Scan CMOS sensor
Signal System: NTSC
Video Resolution: 2.0MP (1920x1080)
Frame Rate: Up to 30fps @ 1920x1080 resolution
Compression Type: H.265+, H.265, H.264 OVC, H.264, MJPEG
Bit Rate: 32Kbps - 16Mbps
Focal Length: 2.8mm
Max Field of View: 108°
Shutter Speed: 1/3s to 1/10,000s
Min. Illumination: 0.01 lux (Color) / 0 lux (w/ External IR)
Day/Night: True D/N w/ Mechanical Cut Filter
Infrared Light: NA - Requires Customer-provided External Infrared Light
Digital Noise Reduction: 3D DNR
Ethernet Interface: RJ45
Ethernet Speed: 10/100
Protocols: TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP and more
Remote Configuration: Yes

Ambient Temperature Range: -22°F to +140°F
Housing Materials: Copper-Free Aluminum Alloy; Natural Metallic Powder Coating
Lens Material: 3/8" Thick Tempered Glass
Mounting: NO Mounting Bracket Included
Wiring Hub: (2) 3/4" NPT

Ratings / Features

Listed for United States & Canada
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
NEMA 3R, 4, 7 (B, C, D), 9 (E, F, G)
NRTL Listed to UL 508A
NRTL Listed to UL 1203
NRTL Listed to CSA C22.2 No 14, 25, 30
Main steam and two sub streams
Capable of programming unique settings per stream
ONVIF Profile S Certified
WDR (wide dynamic range) for auto adjusting

Special Orders/Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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The EXPCMR-IP-POE-2MP-IR-108D-MOD2 from Larson Electronics is a Network Explosion Proof Camera that is ideal to use as 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 remote inspection camera saves both time and money as well as contributing to workplace safety. The EXPCMR-IP-POE-2MP-IR-108D-MOD2 features a natural metallic powder coat finish that has a natural metal appearance while having the

corrosion resistance of powder coating.
Camera Features: The EXPCMR-IP-POE-2MP-IR-108D-MOD2 Network Explosion Proof Camera features a built-in 1/2.5" progressive-scan CMOS image sensor that delivers up to 2.0MP resolution at 30 fps. The wide angle fixed lens with 108° field of view is designed to cover large areas and work spaces. This explosion proof camera provides a crisp and clear image for everything within the 108° focal area. Total distance is dependent on mounting height and angle.
The explosion proof unit does not come with built-in infrared lights. To use infrared-light related features, such as capturing images in dark and low-light conditions, an external infrared light must be used with the explosion proof device. For 12-24V DC applications, we recommend the Larson Electronics 12-watt explosion surface-mount infrared LED light (EXHL-TRN-LE3-IR-1224). As an alternative, we also offer the EXHL-TRN-LE3-IR-1227 for 120-240V AC applications.
This remote inspection camera utilizes 120dB true Wide Dynamic Range, 3D Digital Noise Reduction and a true day/night IR-Cut Filter Removal to produce clear images in variable and low light conditions. The camera automatically switches from full color to IR mode when visible light falls below a certain level.
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. Camera power is delivered via the same Ethernet cable using Power over Ethernet (PoE) technology. This not only increases flexibility in deployment, but also provides time and cost savings as well.
Our explosion proof cameras with Power over Ethernet (PoE) features enable data transfers and power to be passed through a single Ethernet cable that is usually a Cat 3/Cat 5 cable or better. There are several types of PoE, which come with their own respective standard and maximum power to port capabilities. The IEEE 802.3af PoE standard, with a voltage range of 44.0 - 57.0V, offers 15.4W of DC power for each port. The IEEE 802.3at PoE standard, with a voltage range of 50.0 – 57.0V, provides up to 30W of DC power per port, which is ideal for surveillance cameras, antennas and network access points. The IEEE 802.3bt PoE standard, with a voltage range of 50.0 – 57.0V, provides 60W of DC power for each port. In order to utilize PoE properly, the components, such as the receiving unit and sending device, must be PoE compliant.
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-POE-2MP-IR-108D-MOD2 Network Explosion Proof Camera features an ATEX/IECEx certified copper-free aluminum alloy body and weighs a total of 0.9 pounds. The camera does NOT include a mounting bracket.
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.

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Frequently Asked Questions (FAQ)

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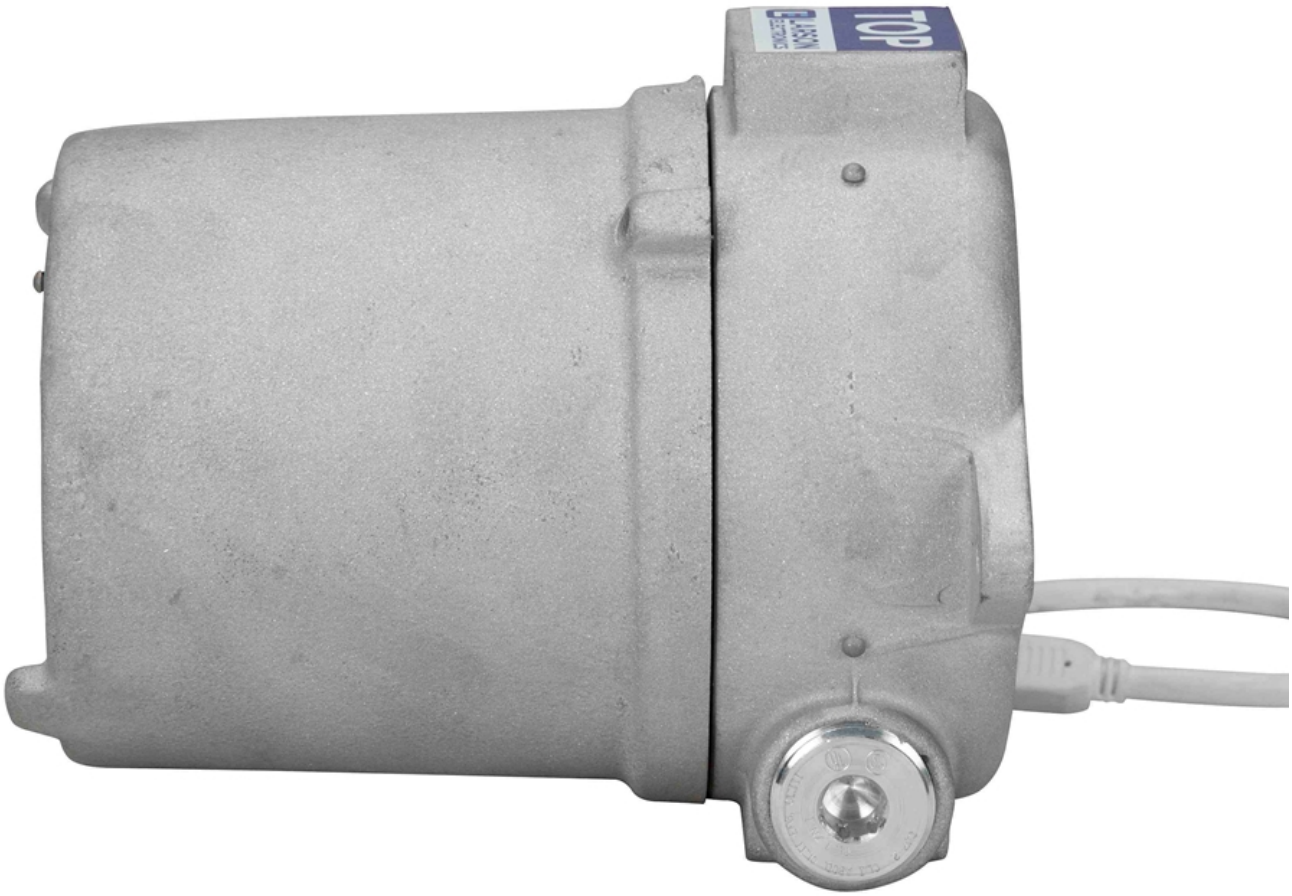
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Links (Click on the below items to view):

- 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
- 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
- Video1
- Video2
- Video3
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map