

Explosion Proof Network IP Camera - 2MP Res, 30FPS - Low Light IR Array - 108° FOV - Surface Mount
EXPCMR-IP-POE-2MP-IR-108D-SFC



The EXPCMR-IP-POE-2MP-IR-108D-SFC 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, weatherproof and tamper-resistant camera provides the operator with a live feed from inside tanks, reactors, vessels or other hazardous locations. Equipped with built-in infrared, the surface-mount remote inspection camera saves both time and money as well as contributing to workplace safety.

Camera Features: The EXPCMR-IP-POE-2MP-IR-108D-SFC 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 comes with built-in infrared lights. For additional infrared illumination, an external infrared light can be used with the explosion proof device (not included). For 12-24V DC applications, we recommend the Larson Electronics 12-watt explosion proof 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-SFC Network Explosion Proof Camera features an ATEX/IECEX certified copper-free 6061 aluminum alloy body and weighs a total of 0.9 pounds. This unit is compatible with flat surface-mounting applications. Additional accessory pole mounts and magnetic mounts are available separately.

Applications: Vessel, hazardous locations, 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.

Links (Click on the below items to view):

- [SpecSheet](#)
- [HigResPic5](#)
- [Hi-Res Image 1 - Explosion Proof Network IP Camera - Surface Mount](#)
- [Hi-Res Image 2 - Explosion Proof Network IP Camera - Surface Mount](#)
- [Hi-Res Image 3 - Explosion Proof Network IP Camera - Surface Mount](#)
- [Hi-Res Image 4 - Explosion Proof Network IP Camera - Surface Mount](#)