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EXPCMR-IP-POE-DPTZ-1227

6MP Explosion Proof Digital Pan Tilt Zoom Camera - 360° Coverage - PTZ, Built-in IR - 120-240V AC

Product ID: 153811

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



Image: EXPCMR-IP-POE-DPTZ-1227

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-POE-DPTZ-1227 Explosion Proof Digital PTZ

Unit Type: Explosion Proof Camera
Dimensions: 7.891"D x 14.737"W x 5.202"H
Camera Weight: 27 lbs
Total Watts: 12W Max
Voltage: 120-240V AC 50/60 HZ
PoE: 802.3af
Image Sensor: Progressive Scan CMOS
Camera Resolution: 3072 x 2048
Megapixel: 6
Compression Type: H.264, MJPEG
Frame Rate: High-frame Mode- 1 Fisheye 25fps @ 2048 x 1536, 30fps @ 2048 x 2048, 4x ePTZ 30fps @ 1024 x 768; Multi-channel Mode- 1 x Fisheye 15fps @ 1280 x 1280, 1x Panoramic 15fps @ 2048 x 1536, 3x ePTZ 15fps @ 1024 x 768
Day/Night Function: True D/N w/Mechanical Cut Filter
Infrared Light: Built-in
Relative Aperture (F-stop): 2.8
FOV (Degrees): 360
Audio Compression: 64Kbps (G.711)/16Kbps (G.726)/MP2L2
Audio Streaming: Two-way Audio Streaming w/ Built-in Mic
Ethernet Interface: RJ-45

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
64 GB Storage

Day/Night Operation

Ethernet Ports/Speed: 1, 10/100
Networking Protocols: TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP
Recording: Email Notification, Event Log, Event Notification, Event Search, Motion Detection, Pre/Post Alarm Recording, Privacy Video Block, Video Analytics Capable
Storage Capacity: 64 GB max via SD card slot
Connectors: Sensor Inputs (1), Alarm Output (1), Audio In (1), Audio Out (1)
Ambient Temperature Range: -22°F ~ 140°F
Material: Copper-free Aluminum
Finish: Electrostatically Applied Powder Epoxy/Polyester Finish
Lens Cover Material: Tempered Soda Lime Glass
Mount: Flat Surface/Trunnion Mount
Wiring Hub: (2) 3/4" - 14 NPT Drilled and Tapped Conduit Openings
Shipping Weight: 30 lbs

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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The EXPCMR-IP-POE-DPTZ-1227 Explosion Proof Digital Pan Tilt Zoom Camera from Larson Electronics is designed for security and remote observation in both indoor and outdoor hazardous environments. This high resolution day/night camera features 64GB internal storage. Constructed of heavy duty aluminum and equipped with built-in infrared, the unit supports 360° fisheye panoramic surround views and up to five independent camera views at once on-screen.

Camera Features: The EXPCMR-IP-POE-DPTZ-1227 digital PTZ camera provides operators in hazardous areas with crisp high resolution images. Equipped with a 1.27 mm optical lens, this 12-watt unit produces up to 6.0 megapixel (3072 x 2048) resolution while operating at 120-240V AC 50/60 HZ. Operators may choose from the following viewing modes: fisheye, horizontal panoramic and ePTZ quad view. A 360° fisheye panoramic surround view offers wider coverage and eliminates blind spots, while a 180° panoramic view provides end-to-end horizontal coverage. This remote inspection camera utilizes a true day/night IR-Cut Filter Removal to produce clear images in variable and low light conditions.

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 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 device features two-way audio using a built-in speaker and microphone. The EXPCMR-IP-POE-DPTZ-1227 security camera is designed to perform under harsh and rugged conditions. For use in extreme environments, the IP66 rated waterproof unit resists the corrosive effects of weather, dust, dirt, and humidity. With a copper-free aluminum housing, the camera is capable of operating in hazardous locations with temperatures ranging between -22°F and 140°F, as well as 0% to 95% non-condensing, humid environments.

Mounting/Wiring: The EXPCMR-IP-POE-DPTZ-1227 can be mounted on flat surfaces via an adjustable trunnion mount. This unit is designed to operate on 120-240V AC 50/60 HZ, consuming a maximum of 12W per system. Two 3/4" - 14 NPT drilled and tapped conduit openings (one top and one bottom) are available for wiring.

Applications: Vessel, tank and reactor monitoring, remote observation of external facilities, offshore and land based rigs, indoor and outdoor security, commercial buildings, service garages, oil refineries and other applicable hazardous locations.

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)

There are no Faqs



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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**(https://www.larsonelectronics.com/images/product/ATEXCert/153811.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/153811.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/153811.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/153811.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/153811.PDF)
- **Certificate 3, Misc**(https://www.larsonelectronics.com/images/product/Cert3/153811.PDF)
- **Certificate 4, Misc**(https://www.larsonelectronics.com/images/product/Cert4/153811.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/153811.PDF)
- **IEC Ex Certificate (International Explosion Proof)**(https://www.larsonelectronics.com/images/product/IECExCert/153811.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/153811.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/153811.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/153811.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/153811.ZIP)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/153811.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/153811.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/153811.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/153811.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/153811.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/153811.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/153811.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/153811.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/153811.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/153811.JPG)
- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/153811.JPG)
- **Video1**(https://www.youtube.com/watch?v=BH6yTsDEI8k)
- **Video2**(https://www.youtube.com/watch?v=yjtlzJRMUQU)
- **Video3**(https://www.youtube.com/watch?v=r1H3Mi_eTp8)
- **Video4**(https://www.youtube.com/watch?v=UjT-1cLKD6o)
- **Video5**(https://www.youtube.com/watch?v=dzM8vFF-Oc4)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)