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EXPCMR-PT-IP-POE-DPTZ

6MP Explosion Proof Digital Pan Tilt Zoom Security Camera - Pole Top Mount - 150° Coverage - C1D1

Product ID: 148270

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-PT-IP-POE-DPTZ Explosion Proof Digital PTZ
Unit Type: Explosion Proof Camera
Dimensions: 9.13"L x 15.63"W x 11.18"H
Total Watts: 12W Max
Voltage: 12V DC
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
IR Wavelength/Range: 850 nm/49 Feet
Relative Aperture (F-stop): 2.8
FOV (Degrees): 150
Audio Compression: 64Kbps (G.711)/16Kbps (G.726)/MP2L2
Audio Streaming: Two-way Audio Streaming w/ Built-in Mic
Ethernet Interface: RJ-45
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)

Quick Summary
Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H2, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
NEMA 3, 4, 4X, 7 (B, C, D), 9 (E, F, G)
ATEX/IEC Ex
Ex d IIC T6 or T5
Motion Detection
Day/Night Operation

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
Wiring Hub: (2) 3/4" - 14 NPT Drilled and Tapped Conduit Openings
Mount: Pole Top Mount
Camera Weight: 13.1 lbs

Special Orders - Special Requirements
Contact us for special requirements
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The EXPCMR-PT-IP-POE-DPTZ 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 a mechanical infrared cut filter, motion detection and up to 64GB internal storage. The security device comes with the following explosion proof ratings: Class I, Div. 1 & 2, Groups B, C, D; Class I, Zone 1 and Class ll, Div. 1 & 2, Groups E, F, G. Constructed of heavy duty aluminum, the unit supports 150° fisheye panoramic surround views and up to five independent camera views at once on-screen. This explosion proof camera features a customizable pole top mount that allows for vertical and horizontal adjustment and enables users to place this camera on a specific pole size.

Camera Features: The EXPCMR-PT-IP-POE-DPTZ digital PTZ camera provides operators in hazardous areas with crisp high resolution images. Equipped with a 1.27 mm optical lens, this 12W unit produces up to 6.0 megapixel (3072 x 2048) resolution while operating at 12V DC. Operators may choose from the following viewing modes: fisheye, horizontal panoramic and ePTZ quad view. A 150° fisheye panoramic surround view offers wider coverage and eliminates blind spots, while a 180° panoramic view provides end-to-end horizontal coverage. This explosion proof camera features an attached slip fit yolk for easy installation. The slip fit yolk is built to the customer`s specs, enabling operators to mount this explosion proof PTZ camera to their specific pole size. For operation in dark hazardous locations, Infrared (IR) LEDs may be enabled for coverage up to 49 feet. Smart IR technology reduces over-exposure of the IR LEDs at the center of the image. This device features two-way audio using a built-in speaker and microphone. The EXPCMR-PT-IP-POE-DPTZ 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.

Wiring: This unit is designed to operate on 12V DC, 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. An internal mounting pan is attached to inside back of the enclosure with spacers for mounting on surfaces.

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.

Mounting Notes: The EXPCMR-PT-IP-POE-DPTZ pole top mount features an attached slip fit yoke for easy installation. The slip fit yoke is built to the customer`s specs, enabling operators to mount this explosion proof security camera to their specific pole size and adjust it vertically or horizontally for 150° of coverage. For example, selecting a 2" OD mount means that the yoke mount will

fit into pipes or bull horns with a 2" OD.
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)



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Product ID: 148270

Export Control Classification Number (ECCN): EAR99

Options:

EXPCMR-PT-IP-POE-DPTZ-Mount

Example: EXPCMR-PT-IP-POE-DPTZ-2IN

Mount	
2 IN	-2IN
2-1/4 IN	-2.25IN
2-1/2 IN	-2.5IN
2-3/4 IN	-2.75IN
3 IN	-3IN
4 IN	-4IN
5 IN	-5IN
6 IN	-6IN

Links (Click on the below items to view):

- **Operations Manual**
- **SpecSheetSpanish**
- **HigResPic1**
- **HigResPic2**
- **Video1**
- **Video2**
- **Video3**
- **Video4**
- **Video5**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**