

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

Part #: [EXPCMR-PT-IP-POE-DPTZ](#)



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 II, 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.

Specifications / Additional Information**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)**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**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

Special Orders- Requirements

Contact us for special requirements

Phone: 1-903-498-3363**Toll Free:** 1-800-369-6671**Fax:** 1-903-498-3364

Camera Weight: 13.1 lbs

E-mail: sales@larsonelectronics.com

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This product does not qualify for free shipping.

Part #: EXPCMR-PT-IP-POE-DPTZ (148270)

Options:

EXPCMR-PT-IP-POE-DPTZ- YOKE DIA

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

YOKE DIA	
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):

- [SpecSheet Spanish](#)

- [Manual](#)

- [Hi-Res Image 01 - 6MP Explosion Proof Digital Pan Tilt Zoom Security Camera - Pole Top Mount](#)