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EXPCMR-IP-POE-OZ-6MP-LE1-1227

6MP Explosion Proof HD Security Network Camera - C1D1, C2D1 - Optical & Digital Zoom - 3/4"NPT

Product ID: 152858

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



Image: EXPCMR-IP-POE-OZ-6MP-LE1-1227

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-OZ-6MP-LE1-1227 Explosion Proof Camera & LED Light Combination Fixture

Dimensions: 18"W x 8"D x 6"H
Weight: -
Wiring: (1) 3/4" NPT Wiring Hub

Network Camera Specs

Total Watts: 12W (Heater Off), 18W (Heater On)
Voltage: 120/240V AC
Image Sensor: Progressive Scan CMOS
Imager Size: 1/1.8"
Color: Yes
Signal System: NTSC
Connectors: Terminal Strips
Effective Pixels/Resolution: 3072(H) * 2048(V)
Aspect Ratio: 3:2
Megapixels: 6MP
Min. Illumination: 0.1 Lux @ F1.2 AGC On / 0 Lux w/ IR
Lux: 0 (B/W), 0.014 (Color)
AGC Control: Selectable
Relative Aperture (F-stop): F1.4
FOV: 94.5° (Wide) - 30.5° (Tele)

Ratings/Approvals:

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

Focus: Auto
IR Corrective: Yes
Lens Iris: DC Driven
Shutter Speed: 1 ~ 1/100,000 sec
Lens Type: Varifocal
Lens: 2.8-12mm Focal Length
Day/Night: True D/N w/Mechanical Cut Filter
IR Wavelength/Range: 850 nm/165 ft
Digital Noise Reduction: 3D DNR
Dynamic Range: 120 dB
Video Framerate: 6.0MP @ 24fps
Video Offload: MP4
Video Streaming: Tri
Video Output: CAT6 Ethernet - RJ45
Ethernet Ports/Speed: 1; 10/100
Audio: Yes
Audio Compression: G.711/G.722.1/G.726/MP2L2
Audio Streaming: Two Way
Protocols: TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP and More
Bit Rate: 32 kbps - 16 Mbps
Compression: H.264, H.264 OVC, MJPEG
Signal to Ratio: >62 dB
Settings: Remote Configuration, Remote Viewable, Email Notification, Event Log, Event Notification, Selectable Frame Rate, Privacy Video Block, Video Analytics Capable
Card Reader Type: Micro SD Card (Not Included)
Storage: Up to 128GB
Language: English
Browser Support: Yes
Ambient Temperature Range: -40°C to +60°C
Operating Humidity: Up to 95% (Non-condensing)
Housing Materials: Aluminum
Lens Material: Tempered Glass
Mounting: Adjustable Bracket

Light Specs

Watts: 12W
Voltage:120-240V AC
Lumens: 1,320
Luminous Efficacy: 110 Lm/W
LED Light Color: 6000K - White
LED Life Expectancy: 50,000 hours
Lighting Configuration: 10° Spot or 40° Flood
Spot Beam: 800`L x 140`W
Flood Beam: 300`L x 225`W
Ambient Operating Temp Range: -40°C to +60°C
Housing Material: Aluminum
Light Housing Color: Powder Coated - Grey
Lens Material: Polycarbonate
Mounting: Adjustable Surface Mount Brackets w/ Set Screws

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

The EXPCMR-IP-POE-OZ-6MP-LE1-1227 from Larson Electronics is a Combination Explosion Proof Camera & Explosion Proof LED Light Fixture that is designed for security and remote observation in both indoor and outdoor hazardous environments at both day and night. This 6.0MP HD high resolution security camera features a 150` range, 10x optical zoom with autofocus and 62x digital zoom for maximum coverage and accuracy. This unit also features an explosion proof light that produces 1,320 lumens of high intensity LED light output and is available with both spot or flood

options to ideally illuminate the area being covered by the camera.

Camera Features: The EXPCMR-IP-POE-OZ-6MP-LE1-1227 security camera provides operators in hazardous areas with crisp 6.0MP high resolution images. A 2.8-12mm motorized lens automatically adjusts focus, providing operators with a precise 10x optical zoom and autofocus and 62x digital zoom image. This network camera measures a compact 12.34" x 3.96" x 4.22" and the mounting base allows for precise aiming with 90° of vertical adjustment.



In-Use Robotic Sandblasting

The EXPCMR-IP-POE-OZ-6MP-LE1-1227 network security camera is built to perform under harsh and rugged conditions. This IP67 rated waterproof unit resists the corrosive effects of weather, dust, dirt, and humidity. This Class I Divisions 1 & 2, Class II Divisions 1 & 2, Class III Divisions 1 & 2 rated camera provides property and product security while also protecting operators with its safe and reliable explosion proof and weatherproof design.

Light Features: The EXPCMR-IP-POE-OZ-6MP-LE1-1227 produces 1,320 lumens of high-intensity LED light for illumination within hazardous areas and potentially explosive work environments. This explosion proof LED light fixture operates on 120-240V AC. The EXPCMR-IP-POE-OZ-6MP-LE1-1227 is available in two lighting configurations; spot and flood. The spot configuration features a 10° beam that measures 800`L and 140` W. The flood configuration throws a 40° beam that measures 300`L and 225`W. An adjustable surface mount mechanism allows operators to control the direction of the beam by tilting the unit towards the desired target.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Heat Management: Heat is the single largest factor in premature LED failure and color

shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED`s core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Durability: The EXPCMR-IP-POE-OZ-6MP-LE1-1227 explosion proof camera & LED light combination fixture from Larson Electronics is rated NEMA Type 3, 4, 4X, 7 (B,C,D) and 9 (E,F,G) and designed to withstand the rigors of demanding environmental and operating conditions while remaining lightweight and easy to use. These units can operate in temperatures of -40° Celsius to 60° Celsius, are waterproof to 3 meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The LEDs offer inherent LED resistance to shocks and vibrations.

Wiring: This unit is designed to operate on 120-240V AC. Separate Ethernet and power connections are required during operation. The Ethernet/power cables can be routed either through the mounting surface or through a cable guide on the edge of the mounting base. The EXPCMR-IP-POE-OZ-6MP-LE1-1227 features separate leads for both the camera and the light fixture which allows them to be operated independently of one another if desired. This unit is equipped with a 3/4" NPT wiring hub for customer provided wiring.

Mounting: The EXPCMR-IP-POE-OZ-6MP-LE1-1227 explosion proof security camera & LED light combination fixture is secured to flat surfaces, such as a ceiling or wall, using and adjustable reverse pedestal style brackets. The included mounting bracket allows 90° vertical adjustment and 360° of swivel for precision aiming. The camera and the light each have their own bracket for mounting reliability and are connected via piping for increased strength and mounting durability.

Applications: Vessel, tank and reactor monitoring, remote observation of external facilities, offshore and land based rigs, indoor and outdoor security, commercial buildings

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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Product ID: 152858

Export Control Classification Number (ECCN): EAR99

Options:

EXPCMR-IP-POE-OZ-6MP-LE1-1227-Beam Config
Example: EXPCMR-IP-POE-OZ-6MP-LE1-1227-SP

Beam Config	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**(https://www.larsonelectronics.com/images/product/ATEXCert/152858.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/152858.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/152858.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/152858.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/152858.PDF)
- **Certificate 3, Misc**(https://www.larsonelectronics.com/images/product/Cert3/152858.PDF)
- **Certificate 4, Misc**(https://www.larsonelectronics.com/images/product/Cert4/152858.PDF)
- **IEC Ex Certificate (International Explosion Proof)**(https://www.larsonelectronics.com/images/product/IECExCert/152858.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/152858.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/152858.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/152858.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/152858.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/152858.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/152858.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/152858.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/152858.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/152858.JPG)
- **Video1**(https://www.youtube.com/watch?v=UjT-1cLKD6o)
- **Video2**(https://www.youtube.com/watch?v=1VsIFwQwhZM)
- **Video3**(https://www.youtube.com/watch?v=8WdcJYeWDco)
- **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)