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EXPCMR-CER-IP-POEP-4MP-IR-1XLE3

4.0MP Explosion Proof Network IP Camera for Cannabis Extraction - Infrared - IP66, N4X - BHO/THC/CBD

Product ID: 223638

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



Image: EXPCMR-CER-IP-POEP-4MP-IR-1XLE3

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-CER-IP-POEP-4MP-IR-1XLE3 Network Explosion Proof Camera for Cannabis Extraction	Ratings / Features
Listing: United States, Canada, European Union, International	Listed for United States & Canada
Dimensions: -	Class I, Divisions 1 & 2, Groups B, C, D
Camera Weight: -	Class I, Zones 1 & 2, Groups IIB+H2, IIA
Total Watts: 17W (Max)	Class II, Divisions 1 & 2, Groups E, F, G
Power Source: PoE+ (IEEE 802.3at Type 2), 4PPoE (IEEE 802.3bt Type 3) and IEEE 802.3bt Type 4	Class III, Divisions 1 & 2
Image Sensor: 1/3" Progressive Scan CMOS sensor	NEMA 3R, 4, 7 (B, C, D), 9 (E, F, G)
Signal System:NTSC	NRTL Listed to UL 508A
Video Resolution: 4.0MP (2688*1520)	NRTL Listed to UL 1203
Frame Rate: Up to 20fps @ 2688*1520 resolution	NRTL Listed to CSA C22.2 No 14, 25, 30
Compression Type: H.264, H.264 OVC, MJPEG	Main steam and two sub streams
Bit Rate: 32Kbps - 16Mbps	Capable of programming unique settings per stream
Focal Length: 4mm	ONVIF Profile S Certified
Max Field of View: 83°	WDR (wide dynamic range) for auto adjusting
Shutter Speed: 1/3s to 1/10,000s	High Powered POE Device
Min. Illumination: 0.01 lux (Color) / 0 lux (w/ Built-in IR)	
Infrared Wavelength Options: 750 nm, 850 nm or 940 nm	
Infrared Beam Pattern: Flood or Spot	
IR Spot Beam: 120`L x 60`W	

IR Flood Beam: 80`L x 80`W
Day/Night: True D/N w/Mechanical Cut Filter
Digital Noise Reduction: 3D DNR
Ethernet Interface: RJ45
Ethernet Speed: 10/100
Protocols: TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP and more
Remote Configuration: Yes
Ambient Temperature Range: -22°F to +140°F
Housing Materials: Copper-free Aluminum Alloy
Lens Material: 3/8" Thick Tempered Glass
Mounting: Adjustable rear-mounted handle/bracket
Wiring Hub: (2) 3/4" NPT

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Fax: 1-903-765-7664
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The EXPCMR-CER-IP-POEP-4MP-IR-1XLE3 Network Explosion Proof Camera w/ Built-in Infrared Light from Larson Electronics is a remote inspection camera specifically designed for observation in butane THC extraction rooms and hemp processing facilities. This explosion proof, dust/ignition proof, weather proof and tamper resistant camera provides the operator with a live feed from inside mobile extraction labs, as well as indoor cannabis growing and processing sites. Operated remotely from a centralized control room, this remote inspection camera saves both time and money as well as contributing to workplace safety.

Camera Features: The EXPCMR-CER-IP-POEP-4MP-IR-1XLE3 Network Explosion Proof Camera is a powerful solution for cannabis extraction facilities requiring real-time monitoring and cutting-edge security. This compact unit features a built-in 1/3" progressive-scan CMOS image sensor that delivers up to 4.0MP resolution at 20 fps. The wide angle fixed lens with 83° field of view is designed to cover large areas, including mobile labs and temporary extraction rooms. This explosion proof camera provides a crisp and clear image for everything within the 83° focal area, allowing businesses and persons with access (local/state officials, operation managers, inspectors, etc.) to view the workplace in real-time. Total distance is dependent on mounting height and angle.

The 17-watt unit comes with built-in infrared lights to support image capturing in low-light conditions and after sunset. This component is available in two lighting configurations: spot and flood. Four Edison Edixeon® three watt LEDs producing 180 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam with limited spread or light spillage. The spot configuration features a 10° beam that measures 120`L x 60`W. The flood configuration throws a 35° beam that measures 80`L x 80`W. The infrared light is powered with the camera, over POE.

PoE+: The explosion proof camera is compatible with PoE+ devices (IEEE 802.3at Type 2), 4PPoE devices (IEEE 802.3bt Type 3) and IEEE 802.3bt Type 4 devices. As a high-powered PoE device, the system draws a maximum of 17 watts. This unit is not compatible with IEEE 802.3af Type 1 PoE devices, as it exceeds the power limitations of the standard @ 15.4 watts maximum.

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.

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 NVRs for BHO/THC/CBD extraction facilities, which 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 steam can be configured to different resolutions and frame rates.

Mounting: The EXPCMR-CER-IP-POEP-4MP-IR-1XLE3 Network Explosion Proof Camera features an ATEX/IECEx certified copper-free aluminum alloy body for durability. The camera and infrared light includes an adjustable rear-mounted polished stainless steel mounting bracket/handle. Additional accessory pole mounts and magnetic mounts are available separately.

Applications: Hemp processing, cannabis extraction rooms, legal cannabis grow rooms, hemp greenhouses, butane-based extraction facilities, THC, BHO, CBD, medicinal cannabis compliance, security, monitoring, labs, research and more.

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: 223638

Export Control Classification Number (ECCN): EAR99

Options:

EXPCMR-CER-IP-POEP-4MP-IR-1XLE3-Beam Config-Wavelength
Example: EXPCMR-CER-IP-POEP-4MP-IR-1XLE3-FLD-750NM

Beam Config	
FLOOD	-FLD
SPOT	-SPT

Wavelength	
750 NM	-750NM
850 NM	-850NM
940 NM	-940NM

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**(https://www.larsonelectronics.com/images/product/ATEXCert/223638.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/223638.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/223638.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/223638.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/223638.PDF)
- **Certificate 3, Misc**(https://www.larsonelectronics.com/images/product/Cert3/223638.PDF)
- **Certificate 4, Misc**(https://www.larsonelectronics.com/images/product/Cert4/223638.PDF)
- **Eye Safety Information/Certificate**(https://www.larsonelectronics.com/images/product/EyeSafety/223638.PDF)
- **IEC Ex Certificate (International Explosion Proof)**(https://www.larsonelectronics.com/images/product/IECExCert/223638.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/223638.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/223638.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/223638.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/223638.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/223638.JPG)
- **Video1**(https://www.youtube.com/watch?v=UjT-1cLKD6o)
- **Video2**(https://www.youtube.com/watch?v=yjtlzJRMUQU)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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