

EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M

Explosion Proof Outdoor Security Camera - Rechargeable - Wireless Video - 8 Hours Runtime - 64GB Memory

Product ID: 150559

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-WIP-RPS-OZ-2MP-IM.64G-M Explosion Proof Camera w/ Wireless Video Output

Unit Type: Explosion Proof Rechargeable Camera

Dimensions: 18"-W x 8"-D x 6"-H

Weight: -

Voltage: 12 V DC

Watts: 5W

Image Sensor: CMOS

Display Resolution: 1920 x 1080

Video Resolutions: 1080p (1920 x 1080), 720p (1280 x 720), VGA (640 x 480), QVGA (320 x 240)

Lens: 2.8-4mm Focal Length

Angle of View: Horizontal: 106°, Diagonal: 118° @ f = 2.8mm; Horizontal: 70°, Diagonal: 78° @ f = 4mm

Video Framerate: 30fps (60Hz), 25fps (50Hz), Downward Adjustable

Video Output: Wireless

Wireless Standard: IEEE802.11b / g / n

Data Rate: IEEE802.11b - 11Mbps (Max); IEEE802.11g - 54Mbps (Max); IEEE802.11n - 150Mbps (Max)

Frequency Bands: 2412 - 2472 MHz

Remote Access: Supports P2P & DDNS

Wireless Security: Supports WEP, WPA & WPA2

Maximum Power: 18dBm

Internal Memory: 64 GB Solid State - Removable SD Card (Only Remove in Non-Hazardous Locations)

Memory Recording Time: 8 Hours of Footage in 2MP 1600x1200 at 30 Frames per

Ratings/Approvals

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

IECEX db IIC Gb

IECEX tb IIC Db IP66

ATEX Ex II 2 G / D

NEMA 3, 4, 4X, 7 (B, C, D), 9 (E, F, G)

30' Max Distance

Streaming via RTSP

Operates on 2.4 GHz Wifi

Second

Housing Material: Aluminum

Mounting: Removable, Adjustable Trunnion Mounting Bracket

Battery: 8.8aH Lithium-ion, Rechargeable

Runtime: 8 Hours per Charge

Charger: Internal Charger - Can Be Charged in Hazardous Locations w/ Included Explosion Proof Cord Cap

Cord Cap Options: 5-15P, 5-20P, or 6-20P Explosion Proof

Wiring: 10ft Between Battery Compartment and EXP Cord Cap

Special Orders - Special Requirements

Contact us for special requirements

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The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M from Larson Electronics is an Explosion Proof Outdoor Security Camera for flammable work sites, harsh environments, and outdoor locations. This IP66-rated device is rechargeable and offers wireless video output and connection to other devices. Capable of producing clear, 1080p HD images, the unit supports trunnion bracket mounting or flat surface mounting if the bracket is removed. 64 GB internal solid state memory allows camera to record up to 8 hours of footage in 2MP 1600x1200 at 30 frames per second. The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M operates on 2.4 GHz wifi.

Camera Features: The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M security camera provides operators in hazardous areas with crisp 1080p HD images as well as streaming via RTSP. Equipped with a 2 MP lens, up to 6x digital zoom is possible with the fixed-focus device. A cutting-edge chipset facilitates image compression and video processing with superior quality. Operating at 5 watts, the explosion proof monitoring device is rechargeable, with up to 8 hours of runtime per full charge. The charger is internal and can be charged within hazardous locations via the included explosion proof cord cap on 10ft whip. Video output and connection to other devices is wireless (no cords). An example of such device is our [Class I, Division 1 explosion proof tablet \(EXP-TBLT-10I-W10-128G-4G\)](#), which operators can use to view images transmitted wirelessly from the explosion proof security camera. 64 GB of internal solid state memory allows this camera to record up to 8 hours of footage in 2MP 1600x1200 at 30 frames per second. Lower resolutions will allow for longer recording times. The 64 GB SD card can be removed outside of hazardous locations in order to access footage. Do **NOT** remove the SD card inside of any hazardous location.

Durability: The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M 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. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate.

The explosion proof security device is designed to perform under harsh and rugged conditions. This IP66 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 protecting operators with its safe and reliable explosion proof and weatherproof design.

Security & Remote Access: The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M supports several forms of security. The supported forms include WEP Encryption, WPA Encryption, and WPA2 Encryption. This explosion proof outdoor security camera also features remote access capability. It supports both P2P and DDNS remote access.

Wi-Fi: The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M operates on 2.4 GHz wifi and is Wi-Fi compliant with wireless standards IEEE 802.11 b/g/n. It is **NOT** compatible with 5 GHz wifi. On IEEE802.11b, this camera transfers data at a maximum rate of 15Mbps. On IEEE802.11g, the max data transfer rate is 54Mbps. The max data transfer rate on IEEE802.11n is 150Mbps.

Wireless Network: The explosion proof camera allows operators to create their own 2.4 GHz wireless network. This feature makes networks for cameras easier to setup in outdoor sites. A QR code on the unit can be scanned for seamless wireless network configuration. The network facilitates the connection of various devices. During use, footage is stored via internal memory.

Battery/Charging: This unit is powered by a rechargeable 8.8aH lithium ion battery. At a full charge, the explosion proof device provides a runtime of 8 hours. This unit's

charger is internal and can be charged within hazardous locations using the included explosion proof cord cap.

[Click Photos to Enlarge](#)



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Cord Cap Options: Plug options include a 5-15 15 amp straight blade plug for use with 120 V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120 V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240 V explosion proof outlets. ****PLEASE NOTE**** *voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*

Mounting: The EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M can be mounted on flat surfaces using the adjustable trunnion mounting bracket. The bracket can also be removed in order to mount the camera directly to a flat surface.

Applications: Explosion proof forklifts, tank cleaning, tank/reactor monitoring, remote observation of external facilities, offshore and land based rigs, indoor and outdoor security, commercial buildings, 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.



Frequently Asked Questions (FAQ)









EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M

Product ID: 150559

Export Control Classification Number (ECCN): EAR99

Options:

EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M-Cord Cap

Example: EXPCMR-WIP-RPS-OZ-2MP-IM.64G-M-1523

Cord Cap	
5-15P	-1523
5-20P	-2023-125V
6-20P	-2023-250V

Links (Click on the below items to view):

- [ATEX Certificate \(European Explosion Proof\)](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 3, Misc](#)
- [Certificate 4, Misc](#)
- [Dimensional Drawing 2D](#)
- [IEC Ex Certificate \(International Explosion Proof\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [SpecSheetSpanish](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)