

Explosion Proof Outdoor Security Camera Rechargeable - Wireless Video Output - Adj Rail Mount Instruction Manual

Thank you for your purchase of the Larson Electronics EXPCMR-WIP-RPS-OZ-2MP-BC.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. WHEN EXTENSION CORD IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. IMPROPER USE OF THIS DEVICE, ASSOCIATED PLUG, RECEPTACLE, AND CORD CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

PERIODIC INSPECTION OF THE RECEPTACLE AND CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE OF THE UNIT.

ELECTRICAL POWER SUPPLY MUST BE "OFF" BEFORE AND DURING INSTALLATION AND MAINTENANCE. INSTALLATION AND MAINTENANCE PROCEDURE MUST BE PERFORMED BY A TRAINED AND COMPETENT ELECTRICIAN.

IF ANY PARTS OF THE RECEPTACLE OR PLUG APPEAR TO BE MISSING, BROKEN, OR SHOW SIGNS OR DAMAGE, DISCONTINUE USE IMMEDIATELY. REPLACE WITH THE PROPER REPLACEMENT PART(S) BEFORE CONTINUING SERVICE.

WARNING:

USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE. IF WIRING OR UNIT REPLACEMENT INSTRUCTIONS ARE NOT FOLLOWED EXACTLY, THE FIXTURE MAY NOT BE SUITABLE FOR THE HAZARDOUS LOCATION INVOLVED. WHEN HANDLAMP IS CONNECTED TO A POWER SOURCE IN HAZARDOUS AREA, PLUG AND MATCHING RECEPTACLE MUST BE SUITABLE FOR HAZARDOUS LOCATION INVOLVED. WHEN FIXTURE IS CONNECTED TO POWER SOURCES OUTSIDE OF HAZARDOUS AREA, STANDARD DUTY PLUGS AND RECEPTACLES MAY BE USED.

STANDARD PLUG AND TRANSFORMER MUST ONLY BE CONNECTED TO A RECEPTACLE LOCATED OUTSIDE THE HAZARDOUS AREA!

IMPROPER USE OF THIS FIXTURE, ASSOCIATED PLUG, RECEPTACLE, AND CORD CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.

PERIODIC INSPECTION OF THE FIXTURE AND CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE OF THE HANDLAMP.

THE GLOBE IS MADE OF TEMPERED GLASS. IF THIS GLASS BECOMES SCRATCHED OR CHIPPED IT SHOULD BE REPLACED IMMEDIATELY.

The EXPCMR-WIP-RPS-OZ-2MP-BC 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 features an adjustable rail mounting system for versatile applications around the work site.

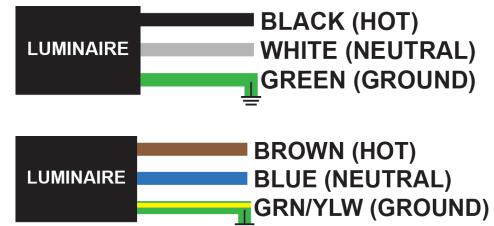
WIRING
Standard pigtail(flying leads) wiring

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 12V DC.

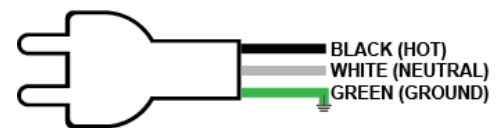
Warning: Check product label for correct input voltage!

Attach supply line wires to the appropriate light fixture wires as shown in the diagram →

Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.

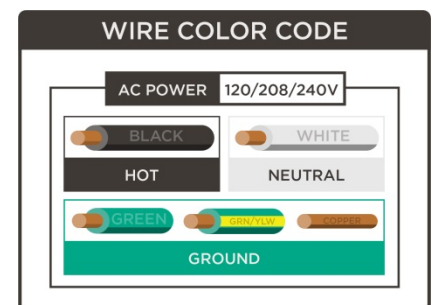

Exp Cord Cap

Position device near work area for operation. Run cable to nearby power source. Insert and twist-lock explosion-proof plug into a compatible receptacle within the hazardous environment. See *plug operation* below.

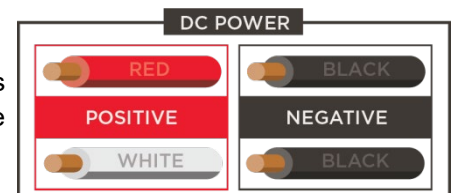

PLUG OPERATION

Electrical connection between plug and compatible receptacle is accomplished after plug fully inserts into receptacle and rotated clockwise.

1. Lift receptacle door and locate polarization on mating plug pin and receptacle face. Insert plug straight all the way into receptacle until it cannot go further.
2. Rotate plug clockwise limit (37°), this closes internal contacts and completes circuit. This also mechanically locks plug into receptacle so it cannot be pulled out.
3. To remove plug, push plug inward and turn to counterclockwise, pull plug straight out.


Low Voltage DC

Connect power to power supply outputting low voltage at 12 Volts DC. This variable voltage allows greater versatility without affecting light output. Ensure deutsch connectors are properly connected (if applicable)



CAMERA SPECIFICATIONS

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

Voltage: 12V 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

View: 30° Max Distance

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

Battery: 8.8aH Lithium-ion, Rechargeable

Runtime: 8 Hours per Charge

Charger: 120-240V Non-explosion Proof Charger

CAMERA FEATURES

The EXPCMR-WIP-RPS-OZ-2MP-BC security camera provides operators in hazardous areas with crisp 1080p HD images. 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. Video output and connection to other devices is wireless (no cords).

DURABILITY

The EXPCMR-WIP-RPS-OZ-2MP-BC 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-BC 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-BC is Wi-Fi compliant with wireless standards IEEE 802.11 b/g/n. 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 2.4Ghz and 5Ghz 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. For charging in non-hazardous locations, operators can use an included, standard 120-240V outlet charger.

MOUNTING

The EXPCMR-WIP-RPS-OZ-2MP-BC can be mounted on rails, such as forklift railings, using an adjustable rail mount system. This component is easily detachable for charging, transportation or storage. The adjustable rail mount is offered in the following sizes for compatibility: 1.5", 2", 3" or 4".

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

- Disconnect power running to the lamp and be sure the fixture is cool to the touch.
- Use a non-abrasive glass cleaning solution to clean the lens.

Note: It is not necessary to open the fixture and clean or touch the LED's.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EXPCMR-WIP-RPS-OZ-2MP-BC is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.