

Explosion Proof 1080p Analog Submersible Camera - Day/Night - 120/240V - 100' 12/5 SOOW Cord

EXPCMR-SWP.FW-ALG-1080P-IC-1227-12.7-100C

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



EXPCMR-SWP.FW-ALG-1080P-IC-1227-12.7-100C Explosion Proof Submersible Remote Observation Camera

Listing: United States, Canada, European Union, International

Dimensions: 8"L x 6"W x 9"H

Camera Weight: 8 lbs

Total Watts: 3.5W Max

Voltage: 120-240V 50/60Hz (primary), 12 V DC (secondary)

Video Framerate: 1080p @ 30fps

Image Sensor: 1/2.7" Progressive Scan CMOS

Signal System: NTSC

Effective Pixels: 1930(H) * 1088(V)

Min. Illumination: 0.1 Lux @ F1.2 AGC On / 0 Lux w/ IR

Shutter Speed: 1/30s to 1/50,000s

Lens: 3.6mm

Angle of View: 90°

Day/Night: ICR

Infrared Range: Up to 50'

D/N Mode: Color / BW/ Auto / EXT

White Balance: Auto / User / Push / 8000K / 6000K / 4200K / 3000K

Privacy Mask: On/Off, maximum 2 zones

Motion Detection: On/Off, maximum 4 zones

Blacklight Compensation: Support

Anti-flicker: On/Off

Display Functions: Digital noise reduction, Mirror

Video Output: (1) Analog HD Output

Protocol: Coaxitron

Signal to Ratio: >52 dB

Language: English

Ambient Temperature Range: -10°C to +50°C

Housing Materials: Aluminum

Lens Material: Tempered Glass

Mounting: Adjustable Bracket w/ Set Screws

Wiring: 100' 12/5 SOOW Pre-wired Cord w/ Kellum Cord Grip - Power/Signal

Video Signal Converter: Included

Submersible Depth: 50' (Maximum)

Water Type: Fresh Water

Ratings

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

Ex db IIC Gb

Ex tb IIC Gb Db IP66

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

Waterproof

Submersible in Fresh Water

50' Submersible Depth (Max)

Signal Converter Included

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The EXPCMR-SWP.FW-ALG-1080P-IC-1227-12.7-100C Explosion Proof

1080p Analog Submersible Camera from Larson Electronics offers underwater monitoring solutions for fresh water environments. This device, which can be submerged up to 50` in fresh water, is available in a fixed lens configuration, a 3.6mm 90° lens for viewing wide areas and can produce 1080p images. Equipped with 100` of 12/5 SOOW pre-wired cord and a video signal converter, this explosion proof portable camera allows operators to use a single cable for signal and power.

Camera Features: The EXPCMR-SWP.FW-ALG-1080P-IC-1227-12.7-100C is designed to allow operators to have a live feed of underwater environments (fresh water) in hazardous locations. Capable of operating in depths up to 50`, the explosion proof camera is incredibly durable and ready to be deployed in fresh water. The submersible camera is operated remotely from a centralized control room, which saves both time and money as well as contributing to workplace safety.

This explosion proof camera features an infrared LED array to allow for low light and nighttime visibility. The camera will automatically switch over to IR mode when lux levels drop below a preset level. This feature provides up to 50` of visibility in the dark. True day/night infrared cutoff filter removal creates a crisp, sharp image that transmits with zero latency to HD resolution via a metal clad coax cable to customer-provided remote mount DVR systems.

The remote inspection submersible camera features a pressure-resistant 316 stainless steel body and weighs just under 4.5 pounds. The camera itself features 1 lux sensitivity, a 2-wire transmitter and a polished stainless steel mounting bracket as well as a built-in color CCD camera and a 1/3" CCD sensor. The lens of the EXPCMR-SWP.FW-ALG-1080P-IC-1227-12.7-100C features a viewing angle between 28° and 60° and the minimum lens to object distance is 3.15 inches.

Wiring: This submersible monitoring device comes with 100` of 12/5 SOOW pre-wired cord and kellum cord grip (camera end of the cable), which facilitates power and video signal to the camera. An included signal converter is connected to the cable, converting the video signal to coax cable with a BNC connector.

Mounting: The EXPCMR-SWP.FW-ALG-1080P-IC-1227-12.7-100C explosion proof remote observation camera is typically mounted to flat surfaces for observation. The included adjustable flat surface bracket has two set screws on the bracket, allowing operators to loosen the mounting bracket, adjust the camera`s tilt orientation, and re-tighten to hold the camera in position. A single thru-hole mounting bolt allows operators to adjust the rotation of the camera by loosening one bolt. Accessory pole mounts and magnetic mounts are available.

Applications: Submersible operations, fresh water, underwater monitoring, vessel, tank and reactor monitoring, remote observation of external facilities, monitoring of cleaning, spray patterns, mixing, foaming, reaction and level. 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)

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](#)
- [IEC Ex Certificate \(International Explosion Proof\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)