LINOVISION

IPC608UW-10

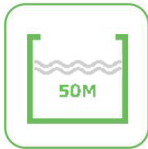## 4K POE IP Underwater Camera for Aquaculture and Underwater Inspection

IPC608UW-10 is an industrial 4K POE underwater camera designed for underwater inspection and aquaculture applications, featuring 4K Ultra HD resolution and remote access via WEB and Mobile App.

Outstanding Features

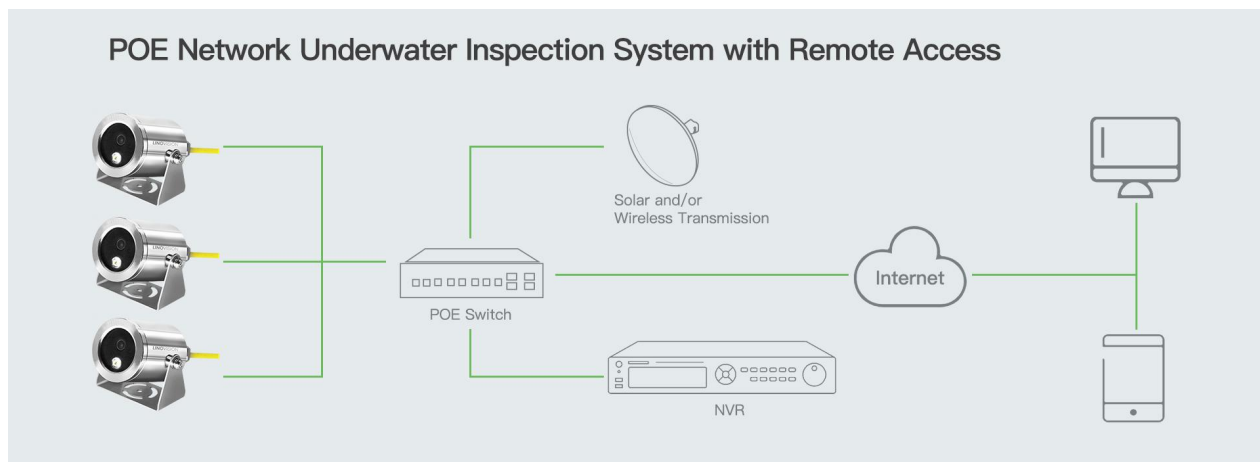| Light Control | Deep Waters | POE | 4K Resolution | Remote Access | Onvif |

- 8MP (3840x2160) resolution @ 20fps, or 4MP (2560*1440) @ 30fps
- Wide angle of view, H.FOV 112.7° and V.FOV 60.1°
- Designed to be used underwater permanently, max. depth of water 50 meters (165ft)
- 304 stainless steel material and anti-corrosion cable for fresh water and salt water
- White LEDs with remote on/off control
- H.265/H.264 video compression, dramatically reducing storage and bandwidth
- Intuitive WEB GUI, compatible to Chrome/ Safari/IE/Edge, no plug-in is required.
- Support video analysis, like intrusion detection and human body detection
- Support ROI (Region of Interest) encoding, get more details on important areas
- Compliant to ONVIF, providing API/SDK for 3rd party system integration
- Power supply: DC 12V / POE
- Remote access video from PC WEB client, Client software and Mobile App (free of license)
- Custom cable length, by default 10 meters (33ft)

Optional Add-on
- NVR recorder with 10TB to 80TB storage capacity
- Solar power system
- 4G router

System Diagram

Linovision provides a complete system for multi-sites remote monitoring, for example, NVR for local high capacity storage (up to 80TB), wireless transmission, solar power, VMS software for multi-cameras management, and mobile App with cloud access (free of charge).

POE Network Underwater Inspection System with Remote Access

Solar and/or Wireless Transmission

POE Switch

Internet

NVR

Dimension

7.5cm/3inch

10cm/4inch

5cm/2inch

7cm/2.76inch

Applications

Aquaculture Farm

Dam

Water Treatment Facility

Aquarium

This industrial underwater camera has been widely deployed in applications like aquaculture farms, water treatment facilities, reservoirs, dams, marine aquariums, etc.

Specification

Camera	
Sensor	1/3", 8.0 megapixel, progressive scan, CMOS
Lens	2.8mm@F2.0
Angle of View (H)	112.7°
Angle of View (V)	60.1°
Angle of View (D)	146.5°
Shutter	Auto/Manual, 1~1/100000 s
Minimum Illumination	Colour: 0.05 Lux (F2.0, AGC ON)
Digital noise reduction	2D/3D DNR
Day/Night	IR-cut filter with auto switch (ICR)
S/N	>56dB
White LED	Yes
LED On/Off Control	Manual
Defog	Digital Defog
WDR	120dB
Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline Profile, Main Profile
Frame Rate	Main Stream: 8MP (3840*2160): Max. 20 fps; 5MP(2944*1656): Max. 30 fps; 4MP(2560*1440): Max. 30 fps; 2MP(1920*1080): Max. 30 fps Sub Stream: 720P (1280*720): Max. 20 fps Third Stream: 4CIF (704*576): Max. 20 fps
Video Bit Rate	128 Kbps~16 Mbps
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 2 areas
Motion Detection	Up to 4 areas
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Flip	Normal/Vertical/Horizontal/180°
HLC/BLC	Supported
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL,QoS
Compatible Integration	ONVIF(Profile S, Profile T), API
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below Plug-in free live view: Chorme 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
Interface	
Network	10/100M Base-TX Ethernet
General	
Power	12 V DC±25%, PoE (IEEE802.3 af) Power consumption: Max 5.5W
Dimensions (L × W × H)	100×90×100mm (3.9"×3.5"×3.9")
Net Weight	1.75kg (3.85lb)
Material	304 stainless steel, anti-corrosion
Working Environment	-30°C ~ +60°C (-22°F ~ 140°F), Humidity: ≤95% RH(non-condensing)

Note: Design and specifications are subject to changes without prior notice.