

## IPC608UW-10

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

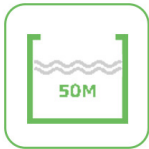


IPC428UW is an industrial 4K POE underwater camera designed for underwater inspection and aquaculture applications, featuring 4K Ultra HD resolution and remote access via WEB and Mobile App.

#### Outstanding Features



Light Control



Deep Waters



POE



4K Resolution



Remote Access

ONVIF

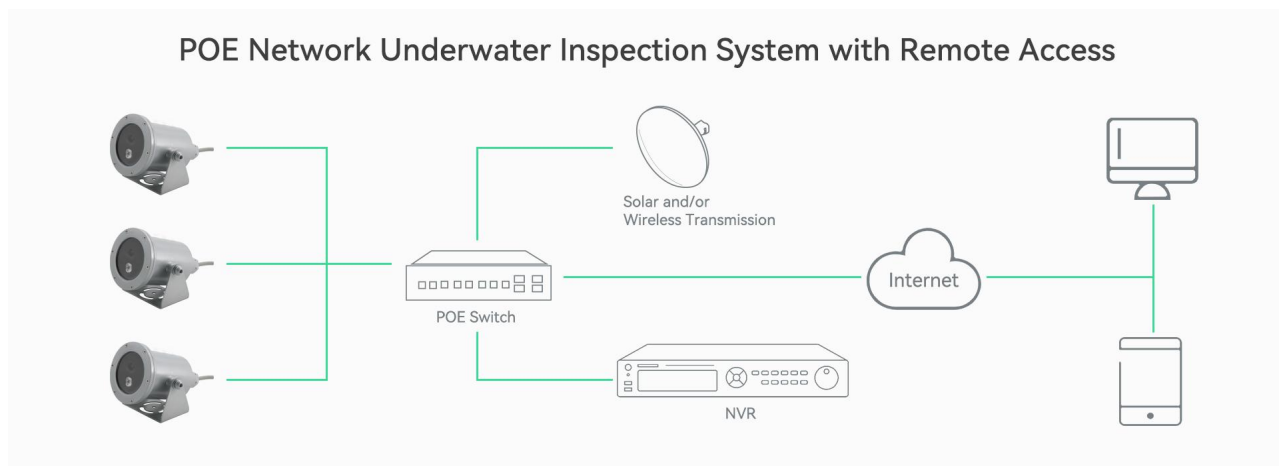
- 8MP (3840x2160) resolution @ 20fps, or 4MP (2560\*1440) @ 30fps
- Wide angle of view, H.FOV 112.7° and V.FOV 60.1°
- Designed to be used underwater permanently, max. depth of water 50 meters (165ft)
- 304 stainless steel material and anti-corrosion cable for fresh water and salt water
- White LEDs 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).



## Dimension



## 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<br>Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below                  |
| Web Browser             | Plug-in free live view: Chrome 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)  | 150×75×75mm (6"×3"×3")                                                                                                           |
| Net Weight              | 2.25kg (4.96lb)                                                                                                                  |
| 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.*