

JNC

IoT Underwater Camera

IWC



V1.00

Catalogue

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PART 1.Product Introduction

1-1 Product Introduction

This product can be used as an underwater fixed-point monitoring camera. This product uses 1/28" 2 million CMOS, with a resolution of 1920*1080 and clear and high quality. It can automatically switch day and night, and the camera can be connected through the network communication protocol. The real-time picture is accurately transmitted back to the platform web page and can be displayed directly, allowing you to instantly grasp the real-time picture in the water. When there is an abnormal event, the trend graph-level image will be automatically compiled, and the image can be dialed back for viewing. It can increase the visibility in the water and allow you to see the images in the water, so that you can see the images in the water with light at night, so that the images in the water are not interrupted for 24 hours and are not affected by the outside world; the brightness of this light bar can be adjusted according to on-site needs. It is very suitable for fish breeding, aquatic environment monitoring and other places where the aquatic environment needs to be monitored. It has a wide range of uses.

1-2 Product Notes

1. Do not use it in areas with high vibration or strong electromagnetic interference to avoid product damage.
2. Before performing any maintenance, please remove the power supply first to prevent personal injury or product damage caused by accidental contact with the power supply.
3. When installed in a polluted environment with conductive substances (such as metal dust, water, etc.), appropriate sealing measures should be taken.
4. If any component or module of the product has been removed or disassembled, please do not operate it anymore and contact our company as soon as possible.
5. Our company is not responsible for the impact or damage caused to the reliability of this product due to improper use in accordance with this operating manual, or exceeding the application or usage environment conditions described in the product specifications.
6. This product is a precision instrument. Users should not disassemble it by themselves or use corrosive liquids to contact the surface of the instrument to avoid damage.
7. Do not perform live wiring. Check that the wiring is correct before powering on.

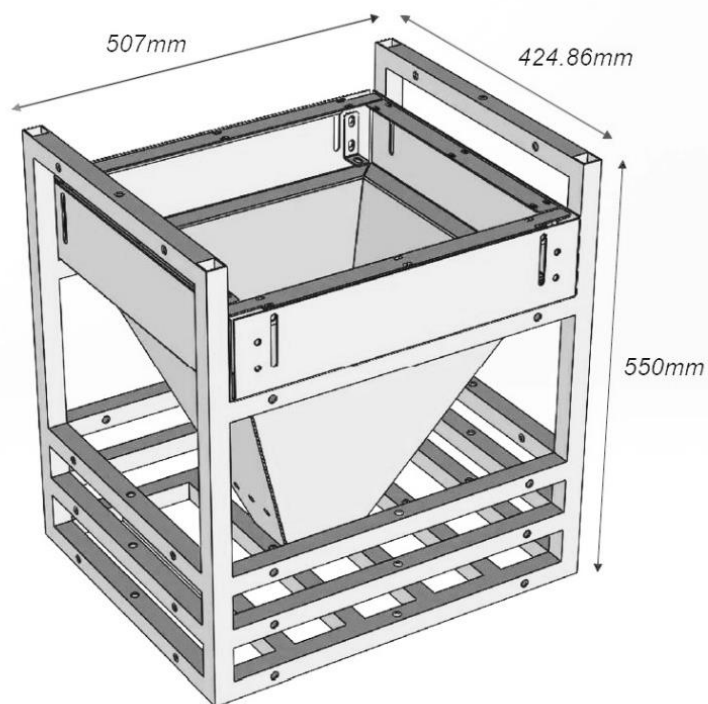
PART 2.PRODUCT DESCRIPTION

2-1 Product Features

- 2 million pixels, 1/2.8" CMOS sensor.
- Resolution 1920*1080 °
- The color image is clear and high-quality, and it automatically switches between day and night.
- The 4G host complies with multiple communication frequency bands such as B1, B3, B7, B8, B20, and B28.
- Can be displayed directly on the platform web page.
- When there is an abnormal event, trend charts and images will be automatically compiled and the images can be recalled.
- Capable of shooting underwater images
- The light bar design ensures uninterrupted images 24 hours a day.
- The brightness of the light strip can be adjusted according to on-site needs.
- Complies with RTSP and RTMP communication methods, and image output is not limited.

2-2 Product Size (mm)

2-2-1 Underwater camera size



PART 3.PRODUCT SPECIFICATION

Underwater Camera Specifications	
Power	12VDC
Power consumption	<4.9 W
Dimension (mm)	507(W) x 424.86(D) x 550(H)
Weight	<25 kg
Shell material	Stainless steel
Installation method	Submersible
Visible range	390×360mm
Video Specifications	
Image sensor	1/28 " CMOS
Effective Pixels	1920(H) x 1080(V)
Electronic shutter	Automatic / manual · 1/3~1/100,000s
Minimum illumination	0.002Lux @ F1.6
SNR	>56dB
Close focal length	0.6m
Angle of view	106°(H) x 56°(V) x 126°(D)
Photography range	Horizontal: 0°~360°, Vertical: 0°~90°, Rotation: 0°~360°

PART 4.Web Service Description

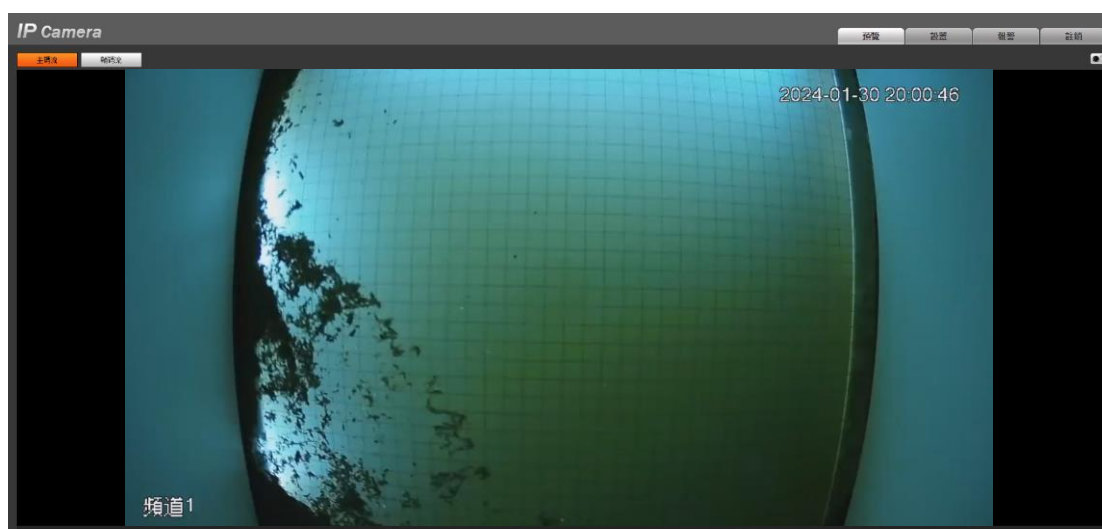
4-1 Web Service login page



※※Default IP :192.168.1.108※※

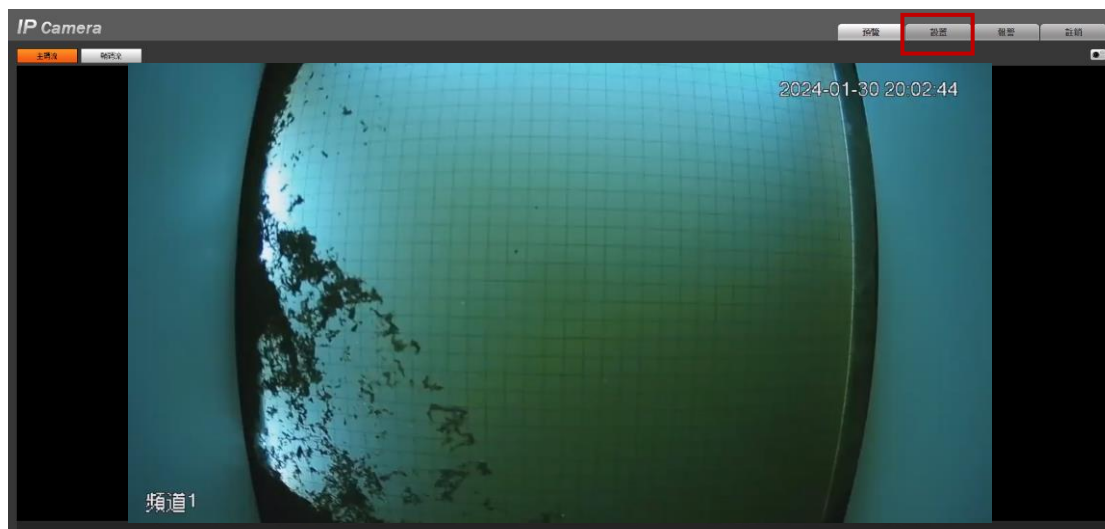
Code	Name	Function Description
1	User name	Default is admin
2	password	Default is dh123456

4-2 Web Service Home Page

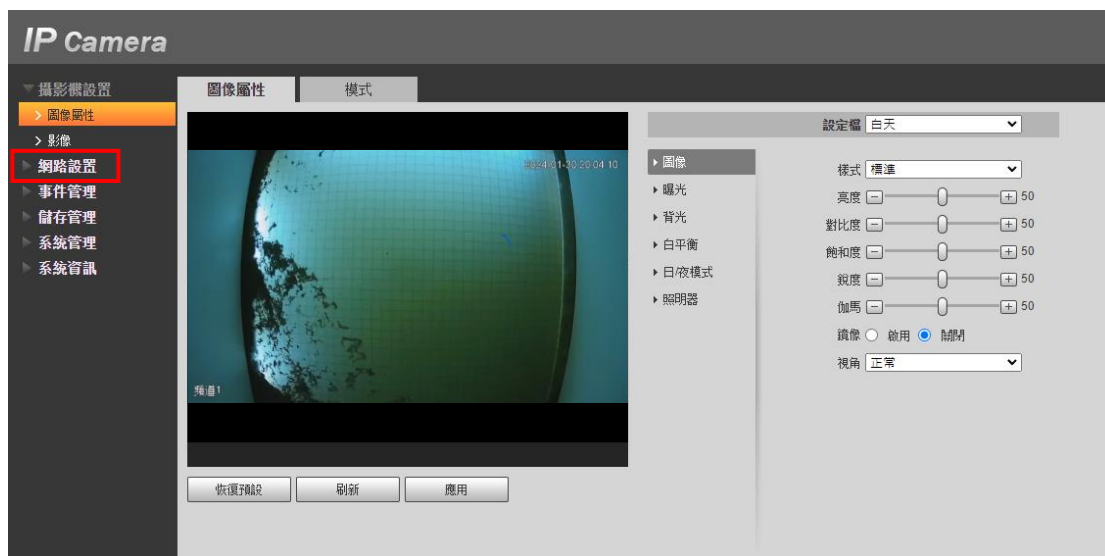


4-3 Change camera IP

- Step 1: Click Settings in the upper right corner, as shown in the red box below



- Step 2: Click Network Settings on the left, as shown in the red box below



- Step 3: Click TCP/IP on the left, as shown in the red box below

IP Camera

攝影機設置
網路設置
TCP/IP
端口
DDNS
Email
組播
主動註冊
平臺接入
事件管理
儲存管理
系統管理
系統資訊

TCP/IP

主機名稱: IPC

網卡: 有線(恢復預設)

模式: ☒ 靜態 ☐ DHCP

MAC地址: 94 . fb . a7 . 40 . 33 . c0

IP版本: IPv4

IP地址: 192 . 168 . 1 . 108

子網路遮罩: 255 . 255 . 240 . 0

預設閘道器: 192 . 168 . 0 . 253

首選DNS伺服器: 8 . 8 . 8 . 8

備用DNS伺服器: 8 . 8 . 4 . 4

☒ 啟用 ARP/Ping 和設定設備IP地址

恢復預設 刷新 應用

- Step 4: Change the required IP and subnet mask in the red box, as shown in the red box in the figure below. After making the changes, press Apply to complete the changes.

IP Camera

攝影機設置
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儲存管理
系統管理
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恢復預設 刷新 應用

Revision history

Version	Revision date	Revision Notes	Maintenance personnel
V1.00	2024/01/30	Produce IWC operation manual (first edition)	Xiao Jingzhou

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ISO 9001