

# CCDCAM Underwater Cameras

See the underwater world without getting wet



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CCDCAM Underwater Cameras



# BASIC PRINCIPLES OF UNDERWATER CAMERAS

Underwater camera, also known as underwater camera, is an underwater camera system composed of high-quality cables as video transmission control lines, plus control boxes, pay-off winches and other auxiliary control equipment. The main functions are measurement, monitoring, exploration, etc. It is a camera that can be used underwater, plus a sealed pressure-resistant casing, generally using an industrial camera as the core component. The price of underwater cameras also varies greatly with the functions, performance, and uses of underwater cameras.

## OVERVIEW

### IP Underwater Camera

CCDCAM IP underwater camera has the advantages of low illumination, large field of view, clear image, wide dynamic range, small size, light weight, low power consumption, advanced technical means, high reliability, durability and convenient operation, etc. measure.

### Analog Underwater Camera

CCDCAM analog underwater camera also has the advantages of low illumination, large field of view, clear image, wide dynamic range, small size, lightweight, low power consumption, advanced technical means, high reliability, durability and convenient operation, etc. measure.

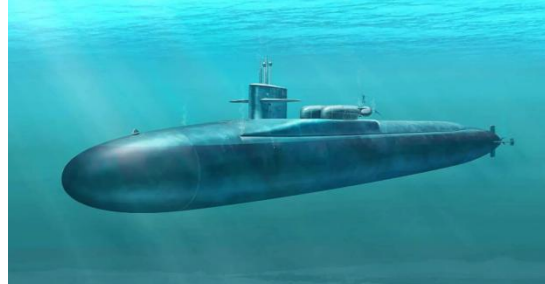




# APPLICATION SCENARIOS

Underwater cameras are mainly used for monitoring underwater operations. At present, they have been used in the following fields:

- (1) Civil engineering in the sea: preliminary investigation of reef and seabed conditions, project management, inspection of completion status, and auxiliary equipment for underwater operations such as underwater bulldozers.
- (2) Investigation and observation of water resources, investigation and research of seabed minerals, seabed oil fields, pearls, corals and various seaweeds.
- (3) Fishery: investigation of the actual situation of fishing nets and artificial reefs set up in a specific water area, detection of fish schools, etc.
- (4) The investigation of the sunken ship, the monitoring of the salvage process, and the inspection and evaluation of the underwater part of the ship to be repaired, etc.
- (5) Monitoring of underwater sludge for hydro power generation and inspection and welding of the interior of water supply pipelines in power plants.
- (6) Monitoring of rivers and reservoirs and dams and regular inspections of other underwater structures.
- (7) Submarine underwater reconnaissance.
- (8) Competitive monitoring of swimming competitions



## PRODUCT SHOWCASE

### EC-IP3855U

2MP Underwater High Speed Dome IP Camera



1920\*1080@30fps

H.264/H.265 Dual-stream encoding, ONVIF,  
POE function

Multiple network monitoring: Web viewer&CMS

Focus f=3.8-38mm (F 1.8-3.2)

10X optical zoom,10X digital zoom

Max.128 preset,privacy covering zone: 4 areas

Preset speed:Max.360° /s

Pan: 360° continuously; Tilt: 180° auto flip on/off

Underwater depth 100m Max

IP68

### EC-IP4655U

4MP Underwater High Speed Dome IP Camera



2560\*1440@60fps

H.264/H.265 Dual-stream encoding, ONVIF,  
POE function

Multiple network monitoring: Web viewer&CMS

Focus f=2.7-14mm (F 1.8-3.2)

5X optical zoom

Max.128 preset,privacy covering zone: 4 areas

Preset speed:Max.360° /s

Pan: 360° continuously; Tilt: 180° auto flip on/off

Underwater depth 100m Max

IP68

### EC-IP5855U

5MP Underwater High Speed Dome IP Camera



2592\*1944@15fps

H.264/H.265 Dual-stream encoding, ONVIF,  
POE function

Multiple network monitoring: Web viewer&CMS

Focus f=3.8-38mm (F 1.8-3.2)

10X optical zoom,10X digital zoom

Max.128 preset,privacy covering zone: 4 areas

Preset speed:Max.360° /s

Pan: 360° continuously; Tilt: 180° auto flip on/off

Underwater depth 100m Max

IP68

## **EC-IP8655U**

8MP Underwater High Speed Dome IP Camera



**3840\*2160@60fps**

H.264/H.265 Dual-stream encoding, ONVIF, POE function

Multiple network monitoring: Web viewer&CMS

Focus f=2.7-14mm (F 1.8-3.2)

5X optical zoom

Max.128 preset,privacy covering zone: 4 areas

Preset speed:Max.360° /s

Pan: 360° continuously; Tilt: 180° auto flip on/off

Underwater depth 100m Max

IP68

## **EC-IP8355U**

8MP Underwater High Speed Dome IP Camera



**3840\*2160@30fps**

H.264/H.265 Dual-stream encoding, ONVIF, POE function

Multiple network monitoring: Web viewer&CMS

Focus f=2.7-14mm (F 1.8-3.2)

5X optical zoo

Max.128 preset,privacy covering zone: 4 areas

Preset speed:Max.360° /s

Pan: 360° continuously; Tilt: 180° auto flip on/off

Underwater depth 100m Max

IP68

## **EC-IP3856U**

2MP Underwater IP Camera



**1920\*1080@30fps**

H.264/H.265 Dual-stream encoding, ONVIF, POE function

Multiple network monitoring: Web viewer&CMS

1/2.7 inch 2MP scan COMS Sensor

2.1 / 3.6 / 4.2mm fixed lens

material: stainless steel 316L

Toughened safety glass (ESG)

CAT6 network cable

Underwater depth 100m Max

IP68

## EC-IP3810U

2MP Underwater IP White light Camera



1920\*1080@30fps

1/3" 2MP scan CMOS Sensor

POE function

Multiple network monitoring: Web viewer&CMS

Camera aperture angle: 150° (2.1mm lens)

White light Distance: 10m

Material: stainless steel 304L

CAT6 network cable

Underwater depth 10m Max

IP68

## EC-IP5810U

5MP Underwater IP White light Camera



2592\*1944@15fps

1/2.7" 5MP scan CMOS Sensor

POE function

Multiple network monitoring: Web viewer&CMS

4X optical zoom

2.8-12mm auto focus lens

White light Distance: 10m

Material: stainless steel 304L

Underwater depth 10m Max

IP68

## EC-IP4050U

4MP Underwater IP White light Camera



2560\*1440@25fps

1/3" 4MP scan CMOS Sensor

POE function

Multiple network monitoring: Web viewer&CMS

2.8-12mm auto focus lens

White light Distance: 15m

Dual POE IEEE802.3af; End-span(1,2+/3,6-) and  
Midspan(4,5+/7,8-)

Underwater depth 50m Max

IP68



## EC-IP6030U

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Underwater High Speed Dome POE IP Camera



2592\*1944@15fps

1/2.7"5MP scan CMOS sensor

Focus f=5-90mm (F 1.8-3.2)

18X optical zoom

Max.128 preset,8 cruise routes,Preset position dwell time adjustable 2-10sec.With power-off memory function,cleaning scraper

Pan: 360° continuously; Pan 0.1-30° /sec; Tilt 0.1~30° /sec

White light Distance: 30m (ir leds optional)

Underwater depth 30m Max

IP68

## EC-IP8060U

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Underwater IP White light VF lens POE IP Camera



2592\*1944@15fps

1/2.7"5MP scan CMOS sensor

Focus f=2.8-12mm automatic zoom lens

With cleaning scraper

H.264/H.265 Dual-stream encoding, ONVIF,

POE function

Housing material: stainless steel 316L

White light Distance: 30m (ir leds optional)

Underwater depth 60m Max

IP68

## EC-5855U

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5MP Underwater PTZ AHD Camera



2592\*1944@25/30fps  
1/2.7"5MP scan CMOS sensor  
Focus f=2.7-14mm (F 1.8-3.2)  
10X optical zoom,10X digital zoom  
Max.128 preset,privacy covering zone: 4 areas  
Preset speed:Max.360° /s  
Underwater depth 10m Max  
IP68

## EC-IP3856U

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CCD 700TVL Analog Underwater Camera



CCD 700L  
Sony CCD,4140+673 Double board  
2.1, 3.6, 4.2mm fixed lens optional,  
Cable Standard configuration:5m  
material: stainless steel 316L  
Toughened safety glass (ESG)  
Underwater depth 100m Max  
IP68

## EC-AHD2056U

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2MP AHD Underwater Camera



1920\*1080@25/30fps  
1/2.7"2MP CMOS Sensor  
2.1, 3.6, 4.2mm fixed lens optional,  
Cable Standard configuration:5m  
material: stainless steel 316L  
Toughened safety glass (ESG)  
Underwater depth 100m Max  
IP68



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