



OceanTools

OceanCAM-IP/Z

Internet Protocol Zoom camera

The **OceanCAM-IP/Z** underwater Internet Protocol Zoom camera captures HD video in low light level conditions, with a versatile optical zoom lens and depth rating down to 3000m.



Overview

The **OceanCAM-IP/Z** camera has been designed to operate in low light underwater conditions, with a 120dB Wide Dynamic Range and a remotely controllable optical zoom for close-up inspection. A versatile 2.8–12mm motorised varifocal zoom lens is fitted as standard.

Colour HD video (including 1080p) is streamed using standard Internet Protocols, with a remote configuration interface. Lower definition streams including 720p and 360p and a range of video bit rates are also supported.

The compact subsea camera units are manufactured from acetal or anodised aluminium to achieve a 300m or 3000m depth rating respectively with the same dimensions. A single subsea connector supports data and power, with optional Power over Ethernet (PoE) for easy integration.

Related Products

The **OceanCAM-IP** range includes compact fixed lens cameras. In addition, **OceanCAM-IP/F** fisheye cameras offer a near 180° field of view, with an innovative hemispherical window design.

Hydra is a Pelicase housed Video Control Unit that can control up to eight **OceanCAM-IP** cameras. Live video from all cameras is displayed on the built-in HD display, and the unit can simultaneously digitally record the high definition video footage from all connected cameras.



Specifications

	OceanCAM-IP/Z
Lens type	Varifocal Zoom
Focal length	2.8–12mm
Field of view	103–33°
CMOS sensor size	1/2.9"
Minimum illumination	0.01 Lux/F1.2
Maximum resolution	2944 x 1656
Compression standards	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Network protocols	RTSP / FTP / DHCP / UPnP
Interface standards	ONVIF (Profile S & G) / ISAPI
Network interface	10M/100M Ethernet
Input voltage	12–24VDC or PoE 802.3at
Maximum current	1.3A @ 12VDC

	Shallow (300m)	Deep (3000m)
Length (excl connector)	132mm	
Diameter	125mm	
Material	Delrin	Aluminium
Depth rating	300m	3000m
Weight in air	1.6kg	3.0kg
Weight in water	< 0kg	1.5kg
Operating temperature	-30°C to +60°C	
Standard connector	Subconn MCBH8M	