

Ocean Presence Technologies



The OceanCam-HD PTZ is the world's most advanced underwater high-definition camera that can be controlled and viewed over the Internet. Cameras transmit H.264 compressed video/audio and are easily configured to stream live video to thousands of simultaneous viewers.

Building on more than 14 years of proven reliability of our high definition underwater cameras, the OPT-06HD has several advanced features. The Internet-ready HD camera supports H.264, MPEG-4, and JPEG and can deliver excellent 16:9 picture quality at 30 fps. This imaging system uses a HD-CMOS with up to 3.3 million pixels and a maximum optical zoom of 30x.

The HD-PTZ can cover a wide monitoring area with great efficiency. It features a high-speed 360° endless pan capability. Downward viewing is made possible with a 210-220-deg tilt range and our uniquely designed hyper-hemisphere dome.

Our new advanced cameras feature 30 frames per second at 1080p resolutions. Other features include visibility-enhancing technologies such as gyroscopic image stabilizer, focal plane distortion correction and defog image processing. A built-in SDHC card slot enables local storage for several days of recordings without external equipment.

For more information and pricing, please send inquiry to oceanpresence@gmail.com

OPT-06 OceanCam Features

Models	Resolution	Zoom	Pan Range
OPT-06HD	1920x1080	30x	360-endless

- 60% spherical glass dome to maximize optics
- Rated to 180 feet (55 meters)
- Built-in Web server that connects via 10-100Tbase using Ethernet, fiber-optic or wireless networks
- PoE cables up to 660 feet (200 m) w/Extender
- Underwater-mateable network/power connectors allowing housing to be removed for maintenance
- Number of effective pixels up to 3.3 Megapixels
- Pan angle 360 degrees endless rotation
- Pan speed 300-700 degrees/s (max.)
- Tilt angle 210-220 degrees
- Tilt speed 300-700 degrees/s (max.)
- Optical zoom: 10-30x, digital zoom: 12x
- Video compression format H.264, MPEG-4, JPEG
- Frame rate: 30 fps (H.264), 16 fps (JPEG)
- High-Power-over-Ethernet, IEEE802.3at compliant
- Internet Protocol secure network (5 clients)
- Video recording and archival software
- Power consumption: 25 W max.
- Size: 11.85" x 10.25" x 13.86" (l x w x h)
301 mm x 260 mm x 352 mm
- Weight: 24 lbs (9.5 kg)

Accessories

- Custom mounting base and pole systems
- Underwater LED lighting w/remote switching
- SDHC Card for built-in DVR (64 GB max.)
- Hydrophone for acoustic monitoring
- Marine wireless networks (short hops to 10 miles)
- Power/Wireless Float system
- Battery power w/solar recharging
- Anti-theft, tamper-resistant locking mounting
- Joystick control

OceanCam™ Specifications