

Ocean Presence Technologies



The OceanCam™ is the world's most advanced underwater Internet-controllable camera. It can be attached to a variety of ocean floor mountings using a tamper-resistant locking system for permanent underwater use.

Ocean models provide a range of working depths down to 490 feet (150 meters). The AquariCam can be used for shallow day use in the open ocean to depths of 65 feet. Power-over-Ethernet (PoE) and fiber-optic cables are designed for extra protection when working in the open ocean or other harsh environments.

Our unique 60% spherical glass dome has been designed especially to maximize camera optics. The viewing software provides PTZ functions and has unique features that allow control of the camera simply by clicking on the screen or a panorama image.

The system comes configured for immediate deployment. Installation and technical support is also available.

For more information and pricing please contact: Robert Aston at info@OceanPresence.com

OceanCam Features

Model	OceanCam	Max. Depth
OPT-02	AquariCam	65 ft (20 m)
OPT-06	OceanCam	180 ft (55 m)
OPT-05	UDeep PoE	325 ft (100 m)
OPT-05F	Deep Fiber	490 ft (150 m)

Specifications

- 60% spherical glass dome designed especially to maximize camera optics
- Maximum operational depth is 490 feet (150 meters)
- Built-in Web server connects via 10-100Tbase using Ethernet, fiber-optic or wireless networks
- PoE cables up to 325 feet (100 m) and much longer fiber-optic cables can be deployed
- Underwater-mateable network/power connectors allows housing to be removed for maintenance
- Pan angle -170 to +170 degrees, tilt angle -90 to +30 degrees, zoom ratio 18x optical zoom (additional 16x digital zoom)
- MPEG4 video compression for network transmission of streaming video.
- Selectable MPEG4 and Motion-JPEG formats.
- Maximum frame rate JPEG 320 x 240 at 30 fps; 640 x 480 at 18 fps and MPEG4 320 x 240 at 30 fps; 640 x 480 at 15 fps.
- Internet Protocol connection with secure network connectivity supporting 10 MPEG4 and 20 JPEG clients
- Day/night function with 0.7 lux minimum color illumination
- Power consumption 17 W max.

Accessories

- Fiber-optic cabling system (separate fiber/power and single hybrid cables)
- Underwater high-power LED lighting system w/remote switching and motion-detection
- Portable Network Video Recorder (NVR)
- Marine wireless networks ranging from short-hops to 1-5 miles; extended with 40 mile point-to-point connections
- Power/Wireless Float system
- Hydrophone for acoustic monitoring
- Battery power with solar recharging
- Special anti-theft, tamper-resistant locking system
- Video recording and archival software
- Joystick control
- Adjustable weight tray

OceanCam™ Specifications