

Ocean Presence Technologies



The OceanCam® OPT-09HD provides hemispheric viewing, internal recording and captures a 360-degree view without any moving parts. It delivers 1080p high-definition picture quality at 30 fps for two 180-degree panoramas and a 1280x960 internally de-wrapped PTZ window. The Ultra-HD model OPT-09UHD is capable of 9 Megapixel fisheye images up to 30 fps

The uniquely engineered optically clear polycarbonate hemisphere dome provides distortion free images. With hemispheric, single- or double-panorama or simultaneous quad views, the camera can cover a wide area with great efficiency. On-board de-wrapping software corrects the PTZ window in real-time.

Our unique Double-Bore™ sealing system employs two concentric o-rings for double protection. The pair of sealing o-rings protect the housing from boring marine organisms.

The full image can optionally be saved for later research purposes. While you closely analyze image sections in the live image using the virtual PTZ feature, the camera continues to run in the background and internally records the entire area. The recorded images can be later analyzed from different perspectives using virtual PTZ. The camera also features an internal DVR (digital video recorder) with a maximum memory capacity of 128 GB (some models).

For more information/pricing: oceanpresence@gmail.com

OPT-09HD/09UHD OceanCam Features

- 360-degree hemispheric camera
- High-definition Model: OPT-09HD
- Ultra-high-definition Model: OPT-09UHD
- Polycarbonate hemispheric dome
- Continuous electronic PTZ w/4x zoom
- Virtual PTZ (no moving parts)
- Depth: 120 feet (38 meters)
(Ultra deep model: 490 ft; 150 meters)
- Uniquely designed Double-Bore™ sealing system
- Built-in Web server that connects via 10-100Tbase
- On-board image recording (up to 64 GB)
- PoE cables up to 328 feet (100 meters)
- Underwater-mateable network/power connectors allowing housing to be removed for maintenance
- OPT-09HD image resolution: 2048 x 1536 (3 MP)
- OPT-09UHD image resolution: 2992 x 2992 (9 MP)
- Can be mounted at 0, 90 or 180 degrees
- Video compression format: H.264, M-JPEG, JPG
- Maximum frame rate: 30 frames per second
- Sensor 1/3" MOS, progressive scan
- Sensitivity Color: 0.1 lux, B&W: 0.08 lux
- Power-over-Ethernet, IEEE802.3af compliant
- Internet Protocol secure network
- Power consumption: 6 W
- Operating temp: -10° to +50 °C (14°F to +122°F).
- Size (l x w x h): 8.5" x 8.5" x 5.0"
(215.9mm x 215.9mm x 127mm)
- Weight: 5.5 lbs (2.5 kg)
- Video recording/archival software included

Accessories

- Ethernet Extender system up to 500 meters
- Underwater high-power LED lighting system
w/remote switching and motion-detection
- Underwater hydrophone
- Marine wireless networks (short hops to 10 miles)
- Anti-theft, tamper-resistant locking mounting
- Joystick control
- Matching above-water IP66 camera available

OceanCam™ Specifications