

# Ocean Presence Technologies

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Ocean Presence Technologies (OPT)

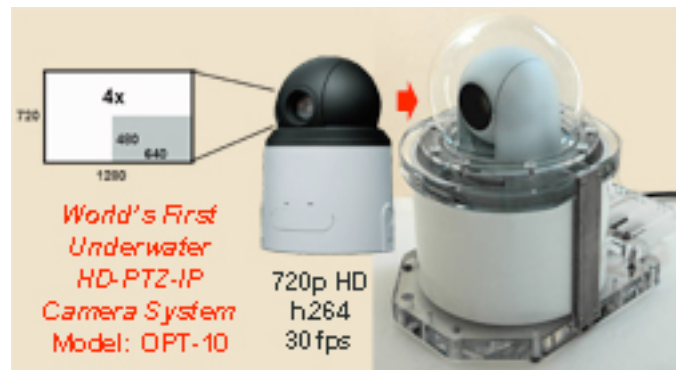
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## First Underwater High-Definition IP Camera

April 30, 2009, Ocean Presence Technologies (OPT), Santa Cruz, California announces the addition of high-definition (HD) cameras to its product lineup. The OPT-10 is the first in a family of HD cameras that can be controlled and viewed over the Internet. The pan-tilt-zoom (PTZ) cameras transmit H.264 compressed video and audio and can be easily configured to stream live video to thousands of simultaneous viewers.

Building on the proven reliability of our standard definition (SD) underwater cameras, the OPT-10 has several advanced features. The Internet-ready HD camera supports H.264, MPEG-4, and JPEG compression and delivers excellent 16:9 picture quality at 30 fps. The imaging system uses a HD-CMOS with approximately 2 million effective pixels and a 10x optical zoom.



The HD-PTZ can cover a wide monitoring area with great efficiency. It features a high-speed 360° endless pan capability that can make a complete revolution in under one second. With a total tilt range of 210°, this camera is perfectly matched with the hyper-hemisphere dome employed by the OPT-10 housing enabling downward viewing. Cameras have a depth rating of 180 feet and are served by hPoE (High-Power-over-Ethernet, IEEE802.3at compliant) and fiber-optic marine-rated cables. Additional models have working depths to 490 feet. Solar-powered wireless networks enable remote deployments with up to a 10-mile range.

The camera also features visibility-enhancing technologies developed to improve performance in challenging lighting conditions, such as high-contrast situations with harsh backlit and fast-moving images in low light.

Broadcast quality 720p (30 fps progressive) video has recently been implemented by YouTube™ and will soon be available on Google Ocean™. Our 720p high-definition video camera will soon join SD cameras that are already referenced in the ocean layer of Google Earth™.

The first HD-PTZ-IP cameras are now being built and will be available by August/Sept. 2009. Demand for this new technology is expected to be high. Pricing has not been announced. For more information visit [www.OceanPresence.com](http://www.OceanPresence.com) or email: [robert@oceanpresence.com](mailto:robert@oceanpresence.com).

## About Ocean Presence Technologies

OPT designs and manufactures a full line of high and standard definition underwater IP video products including cameras, lighting, data recorders and wireless network components. Originally designed for research with manta rays, the OceanCam is now being employed in research, education, security and other commercial oceanographic applications. Its products are sold through international distributors and through its direct sales staff.