

Long duration timelapse | Reliable Ethernet mux | API for automation

Designed for marine researchers looking to collect optical data of offshore locations over an extremely long duration, SubC's Observatory Camera System is an all-in-one system designed to get the job done. Equipped with a corrosion-proof HD/4K camera, lights and lasers the system is certified to depths of up to 6000m and built to withstand harsh marine environments.

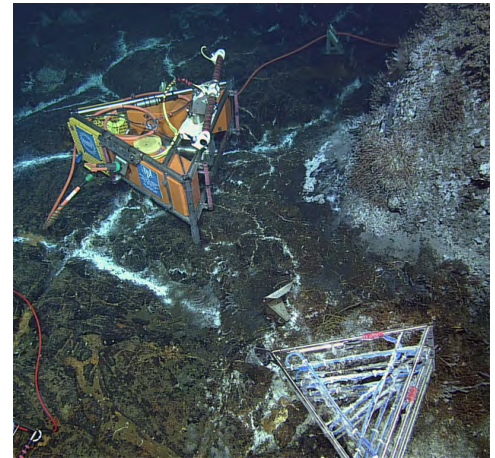
Customizable to meet your needs, you can enhance the capabilities of your system with options like a tripod, frame, or auxiliary expansion kit. Let us reduce the work on your end and make your Observatory Camera System ready to deploy.

Proven & Long-Lasting

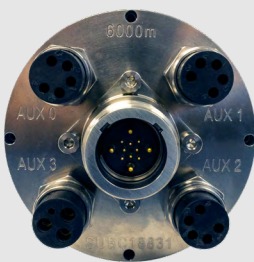
Our systems, platform and API have a proven track record of success. Plus, you can trust that your system is built to last with our corrosion-proof full titanium and sapphire components.

Did you know?

Many of SubC's observatory subsea camera systems have been operating autonomously for years. Ocean Networks Canada's observatory was installed with SubC cameras and LEDs in 2012 and is still in use today.



1



Multiplexer & Data Logging

Simplify integration and save time with our optional auxiliary expansion kit. Your camera can double as a multiplexer for up to four devices such as LEDs, lasers and pan-tilts. And, as a data logger, the system has built-in depth, tilt and roll sensors, and can store NMEA sensor data.

2



Highly Capable Camera System

Take high-resolution digital stills and video in real-time or time-lapsed with our water-corrected LiquidOptics and scripting function. Store them with up to 512GB of solid-state memory or stream live video, comms and data over Ethernet.

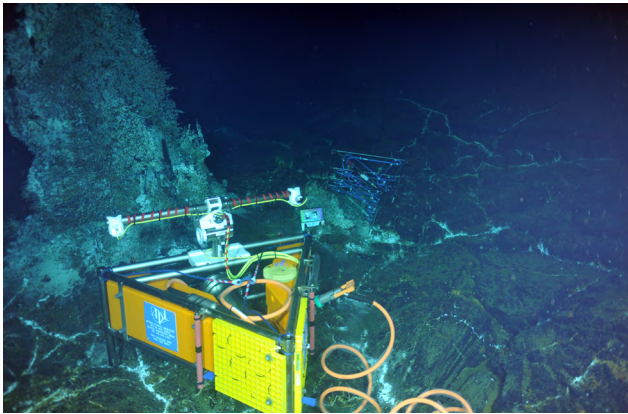
3



End-to-end Support

We're invested in the success of your system and project and offer comprehensive remote training and ongoing support.

Real-life, proven examples of the Observatory Camera System



Hydrothermal Vent Digital Stills Time-Lapse

Ocean Observatories Initiative (OOI) in partnership with the University of Washington.

Data is being collected from the most advanced volcanic observatory in the oceans using SubC systems. This includes digital stills that are captured every 30 minutes, allowing for long-term observation of the actively venting chimney, "Tiny Towers".



Subsea Camera Enables Remote Real-time and Long-term Monitoring of Seafloor as Part of Ocean Observatory Initiative

The University of Victoria's Ocean Networks Canada and Memorial University's Fisheries and Marine Institute.

A SubC Observatory Camera System installed in Newfoundland, Canada is being used to gather information about the local aquatic environment. The researchers can now collect data in real-time and view footage remotely, greatly benefiting their studies.



Whale Bone Study Continues in Barkley Canyon with Subsea Camera Observatory

Professor Craig Smith (University of Hawaii at Manoa), Professor Lisa Levin (Scripps Institution of Oceanography), and Dr. Fabio De Leo (Ocean Networks Canada), the University of Victoria.

Thanks to SubC's Observatory Camera System, the permanent presence on the seafloor is allowing for long-term observations. Researchers are able to establish large-scale patterns of biodiversity and ecosystem function.