

Highly-customizable, complete time-lapse digital stills and 4K/HD video system

A dependable and effective solution for autonomous subsea camera deployments. Ideal for use with drop frames, baited or unbaited landers, AUV systems, and more. Eliminate the need for expensive cabling and infrastructure with power and battery options that meet your needs. Plus, harness the storage, scripting, and data-logging power of the Rayfin Mk2 Benthic camera and other SubC best-in-class technologies.



## Complete Time-Lapse System

Save time and money with an all-one-system that is ready to deploy. Built-to-order, you get SubC's signature Rayfin Mk2 Benthic camera that is programmable and runs scripting via our open-source API, battery, and optional LEDs, and lasers.



## Versatile Equipment

Your system equipment can be used for multiple applications. Repurpose your camera, battery, LEDs and lasers beyond autonomous deployments and get more out of your investment.



## Tailored Power Supply

Power and battery options range from one day to more than a year. We'll recommend the best choice for your application. Or, integrate the system with your existing battery.



## Field-Proven and Backed by Experience

SubC Imaging has been designing and manufacturing Autonomous Camera Systems for 10+ years.

Case 1: [Comparative fishing experiments](#)

Case 2: [Estimating Greenland Shark local densities](#)

Case 3: [Evaluation of aquatic resources and ecosystem of the Labrador sea frontier](#)

## Extended Deployments with Hibernation Hardware

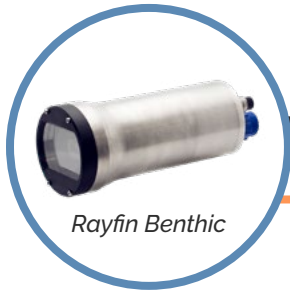
With our optional Hibernation hardware, you can capture timelapse of previously unseen underwater movements and slow processes that occur over months or even years.

Designed to maximize battery power, the camera runs through a series of commands before hibernating, with all images and video stored in its internal memory.

[Talk to our Sales Team to learn more!](#)

## Sample Configuration

This is just one of the many options our team can tailor for your needs



Power Supply

LED Control

Laser Control

### Battery 259

- A high-capacity Lithium-Ion based battery module for stand-alone operations
- UN38.3 certified and eligible to ship via cargo plane
- For safety, battery includes over charge, over discharge, over drain, and short circuit protection

*\*Alternative battery options are available. We can recommend the best solution for your application needs.*

### Rayfin Mk2 Benthic Camera

- Record and store 10+ hours of 4K video, 40+ hours of HD video and thousands of digital stills
- Double your recording capacity with an optional upgrade to 1TB of storage
- Is a data-logger, includes depth, tilt and roll sensors, and can store NMEA sensor data
- Comes with pre-loaded automated scripting settings or design your own to fit your survey needs

### LED Lights

- High-efficiency subsea LEDs can operate as a lamp and strobe
- Activation time is tightly synchronized with the camera sensor exposure time (within 250 nanoseconds) to ensure the video stream is uninterrupted while collecting photos

### Lasers

- Lifespan (MTBF) of at least 40,000 hours
- Lightweight, easily integrated, and accurate to 5m distance
- Available in various patterns and beam angles, including parallel, solid line beam or dotted grid pattern