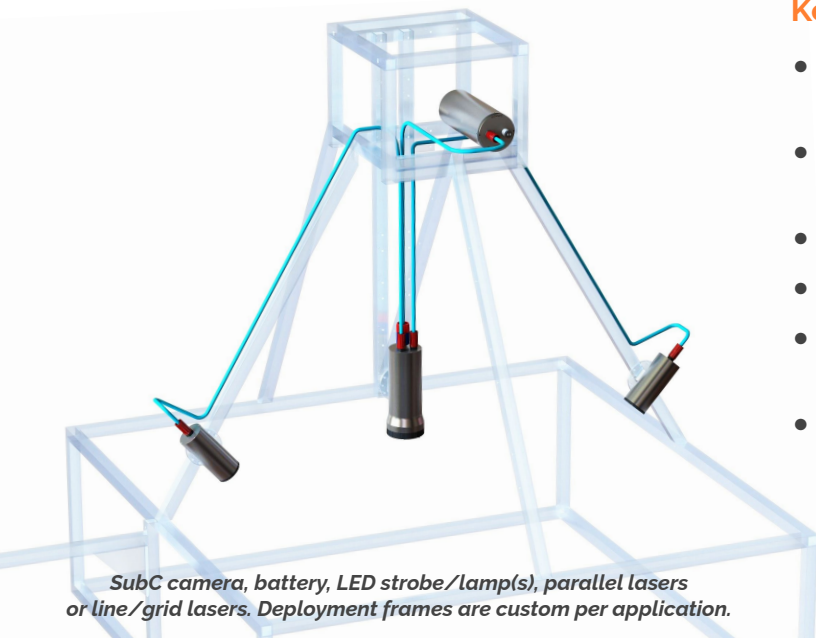


Autonomous Camera System

User Manual

Version 1.0

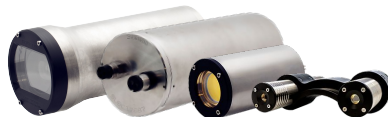
2021-10-07



SubC camera, battery, LED strobe/lamp(s), parallel lasers or line/grid lasers. Deployment frames are custom per application.

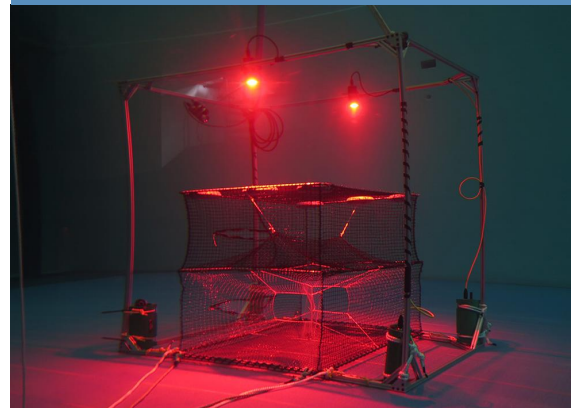
Key Features

- High resolution digital stills (JPEG and RAW) with LED strobe synchronization
- 4K and HD video clips stored to 512GB solid-state memory
- Scripting using open-source API
- NMEA format sensor data-logging
- Optional custom triggers such as magnetic reed switch
- Optional low power hibernation for very long deployment (months to years)



**Harshest Conditions.
Clearest Images.**

The Marine Institute utilizes the SubC Autonomous Camera Solution for studies to collect footage of species in a more natural state. Using far-red LEDs allows capture of deepwater species that lack red cones in their eyes.



Real Clients. Real Projects. Real Results.



Selective Fishing for White Hake Using Newfoundland and Norwegian Style Pots

Philip J. Walsh and Rennie Sullivan

Memorial University

This study utilized SubC cameras, batteries and far-red LEDs to capture footage of species in a more natural state. Deepwater species lack red cones in their eyes.



First estimates of Greenland shark (*Somniosus microcephalus*) local abundances in Arctic waters

Brynn Devine and Laura Wheeland

Fisheries and Marine Institute

A SubC camera and LED were included in a Marine Institute study of one of the longest living species of shark.



Canadian Science Advisory Secretariat (CSAS) Overview of the biophysical and ecological components of the Labrador Sea Frontier Area

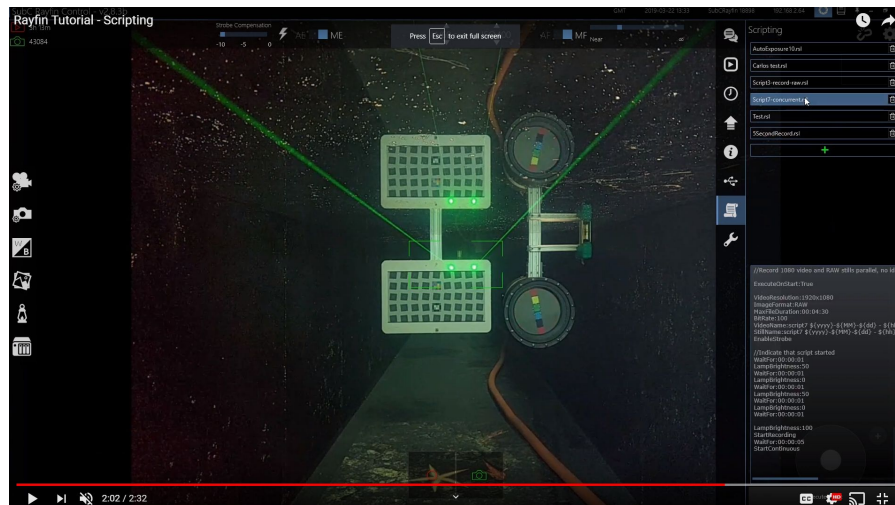
David Cote et al.

**Department of Fisheries and Oceans (DFO)
Canada**

A SubC camera was used to film the required footage and related data for analysis.



The camera can sleep to conserve power, wake to take images, and record video at predetermined timings. LEDs, lasers and other peripherals are connected to the camera's aux ports and can be enabled in scripts. To get you started, examples and the full API is provided.



CONTACT SUBC IMAGING

As leaders in our field, our goal is to provide complete imaging solutions to the subsea professionals. Our first step is always a simple conversation about the nature of your project and how our solutions can help you achieve success.

If you're interested in learning more about our products and services, please reach out to:

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