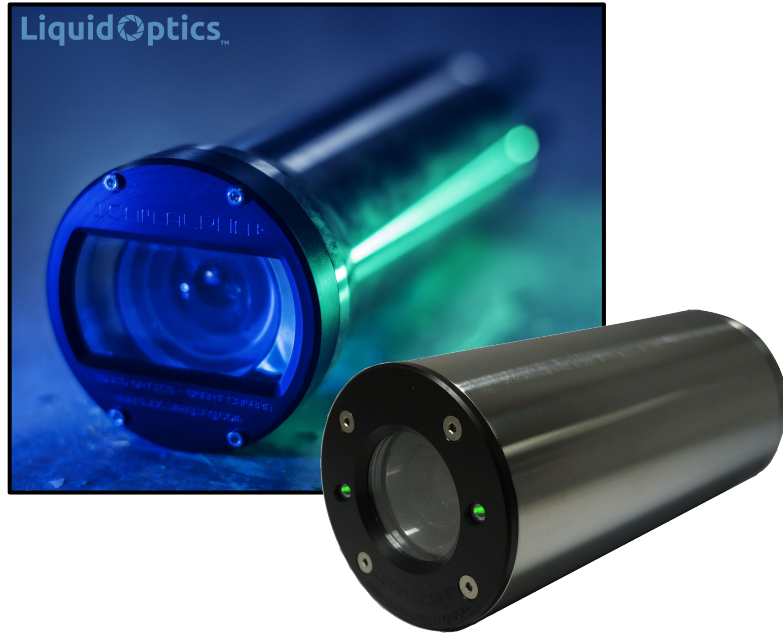
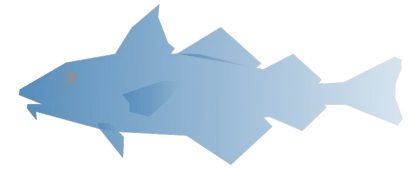




# 1Cam Mk5 HDF

## Live HD video over fiber HD and stills recording



Designed as a main HD color **10x zoom** camera for systems equipped with fiber optics links, providing **live 1080/60p video** topside with the low latency inherent of fiber optics. This feature can be available in anticipation of a future upgrade. Live SD video is always available, as well as **6-24MP digital stills** and internal **HD recording** as a backup.

The stock model includes built in **parallel lasers**, external **strobe** output, **programmable** intervals, IR filter and many more features to help minimize time at sea. Rated to **5200m** standard in Titanium and Sapphire.

See [sample video](#) captured with the 1Cam product range.

### Options

**LiquidOptics:** Water corrected optics have been developed for a very wide field of view with low distortion and chromatic aberration (CA).

**Low Cost:** to fit any budget, we have created the **1Cam Lite** option which removes the digital stills and HD recording. The 1Cam Lite can be upgraded later to the Mk5.

Other advanced options include **Ethernet** downloading and control, manual voltage controls, custom triggered events, anti-corrosion - this product can be **customized** for your application.

For detailed technical information,  
please [contact](#) SubC or your local distributor.

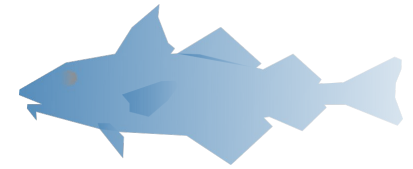
**Custom** product configurations are available.

Newfoundland, Canada +1 709-702-0395 [www.SubCImaging.com](http://www.SubCImaging.com)



# 1Cam Mk5 with LiquidOptics™

Advanced Water Corrected Sapphire Optics



The 1Cam with **LiquidOptics** features a research obtained 1:1 advanced water corrected optic specially developed by SubC Imaging. In Addition to the MK5's features, LiquidOptics provides:

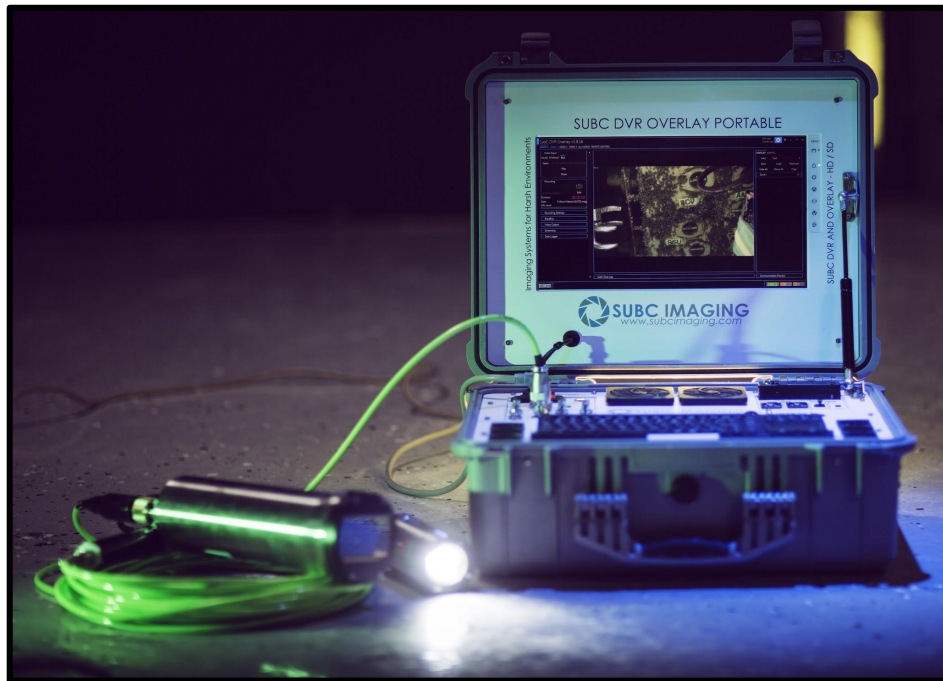
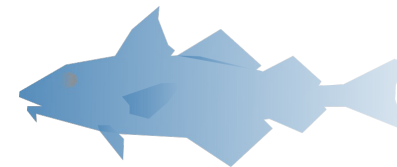
- Extended FOV: 85°
- Full 10x optical zoom
- Accurate color depth
- Very low distortion
- Minimal Chromatic Aberration
- High Sharpness

All of the advantages of a dome port with the added **strength** and **scratch proofing** of a **sapphire** lens.



# 1Cam Mk5 Lite

Live SD, HD and color zoom



Designed as an affordable **10x optical zoom main color camera** - offering the same outstanding video quality as the 1Cam Mk5 at a lower price. See [sample video](#) captured with the 1Cam product range.

When packaged with a [SubC DVRO](#) it creates a very capable live HD and SD video system. It includes **integrated green lasers**, an external **lamp** or **laser** connection and is also available with LiquidOptics.

**1Cam MK5**  
*Lite*

Budget-friendly live video camera  
Simple upgrade to full MK5 features

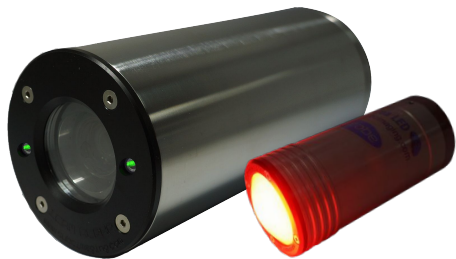
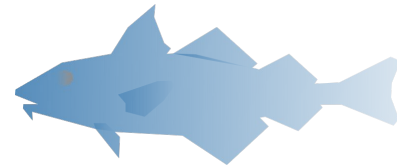
The 1Cam MK5 Lite has the potential of the enhanced features of a MK5 as the subsea project evolves with a simple **upgrade**.





# 1Cam Mk5 with RED Aquorea LED

For marine behavior surveys



SubC Imaging has created a system that incorporates the field proven 1Cam with **Infrared filter** and the **Red** Aquorea lighting to create a toolset that can view underwater life without disturbing their natural patterns and behavior.

The **1Cam** has a built in infrared filter (IR) that can be enabled or disabled through the camera's software. When the camera is used in conjunction with the **Aquorea** with Red lighting offers superior underwater low light capability, undetectable by marine life.

The long wavelength **red** light is quickly absorbed and extinguished by the uppermost layers of water, it is because of this fact most deep sea creatures cannot see **red** as it is nonexistent in their environment.



*[Click for sample video](#)*

SubC's cameras are able to control our LEDs so this system can be implemented quickly without complex integration. This gives ROV operators and Marine Science another **capable tool** for viewing and working in the harsh ocean environments.