

Live video and control over low-cost twisted-pair cable | HD/4K video and digital stills

The **Rayfin Coastal** camera uses SubC Boost-Power Comms (BPC) technology to provide real-time HD video to the surface while recording in 4K or HD and capturing continuous high-resolution digital stills. These cameras are fully compatible with existing drop, tow, observatory, and ROV systems.

The camera comes equipped with **Rayfin Control Software**. Its modern interface makes it intuitive to use and comes standard with free software updates to keep your camera cutting-edge.



SubC BPC Technology

Transmitting power and data over a low-cost twisted-pair subsea cable, Boost-Power Comms technology provides enough power to drive the camera, two LEDs, lasers, and other sensors while enabling live HD video and data to the surface.



Built-in Storage

Record and store hours of video (4K=10+, HD=40+) and 1000's of digital stills. As a data-logger, the Rayfin Coastal has built-in depth, tilt, and roll sensors, and can store NMEA sensor data.



Real-time and Intuitive

Conveniently view and download your footage in real-time while effortlessly controlling your camera, lights and lasers from a topside PC.



Versatile

The Rayfin Coastal can conveniently work with your existing equipment and systems. Or, choose to eliminate your batteries and upgrade to the unique capabilities of SubC's most versatile camera.



High-Quality Optics

Capture the sharpest images in the harshest environments thanks to the scratch-resistant sapphire lens paired with water-corrected LiquidOptics™.



Easy Integration

Auxiliary ports on the back of the camera allow you to easily connect lights, lasers, and other sensors, saving you time and enhancing the quality of your footage.

Specifications		Rayfin BPC
Sensor & Lens	Sensor and Pixel Count	Exmor RS™ CMOS 12-bit
	Max. Image Size	12.3MP - 4056 x 3040
	Max. Exposure Setting	Shutter Speed 1/65000, ISO 3200
	Lens	4.52mm f/2.0
	Zoom	12.3MP sensor zoom (5x optical equivalent)
	Focus Range	15cm to infinity
Internal Recording System	Image Format	JPEG and RAW
	Still Rate	3Hz (JPEG) / 0.5Hz (RAW)
	Recording Resolution	HD and 4K UHD
	Recording Capacity	40hr (HD) / 10.5hr (4K) - 512GB
	Recording Format	H.265 and H.264 - MP4
Live Video	Live Video	RTSP H.264
	Live Video Resolution	1080/30p/25p or 720/30p/25p
	Latency	225ms ± 50ms
LiquidOptics	Diagonal FOV	81° min.
	Horizontal FOV	71° min.
	Vertical FOV	57° min.
	Distortion	Less than 3.4%
Electrical	Voltage	40-78 Vdc
	Power (W)	11 (idle), 12.4 (recording), 18.4 (peak)
	Control	SubC Boost Power Comms
	Protection	Short circuit, under/over voltage, ESD, over-temperature
	Bitrate	(<200m - 8MB/sec.), (325m - 6MB/sec.), (500m - 1.5MB/sec.)
	Built-in Sensors	Depth, Water-temperature, Tilt and Roll
Mechanical	Materials	Sapphire, Anodized Aluminum
	Weight	0.8kg in water, 2.4kg in air
	In-water Operating Temperature	-20°C to +30°C
	Depth Rating	500m
	Dimensions	<i>Length: 241.56mm, Front Ø: 101mm, Back Ø: 89mm</i>

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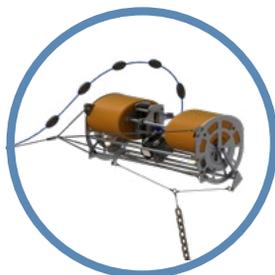
Rayfin Coastal Add-ons

Customize your camera for a complete digital still or video survey system



SubC Kevlar-Tow Cable

High strength (1500kg) and available up to 410m length. Replace lift wire/cable and get live video and data simultaneously.



SubC Tow Camera System

A high performance towed video system capable of covering large areas in a short amount of time.



Lights and Lasers

Enhance the capabilities of your system with our lights and lasers.



SubC is here to help you plan your next project.

Our equipment is available for direct purchase or rental. To speak with an expert or schedule a demo please [contact us](#).

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