

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

Recording and viewing your underwater survey in real-time is made easy with the **Rayfin Mk2 Coastal** camera. Reduce your costs by enabling power, video, control and data over a single twisted-pair in a cable. Or upgrade your ROV to monitor video and data topside with user-friendly live control.

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.



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. Plus, store NMEA data from GPS, altitude and other sensors.



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.



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.



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.



End-to-end Support

Invested in the success of your system and project, we offer comprehensive remote training and ongoing support.

Rayfin Mk2 Coastal Models

Rayfin BPC

Boost-Power Comms and Ethernet over two wires with signals carried over 410m of cable. Power your camera, two LEDs, lasers, depth, and other sensors while enabling live HD video and data to the surface. Used for tow and drop camera systems to dramatically reduce the cost of cabling.

Rayfin ETP

Ethernet over twisted pair technology sends signals carried over 470m of tether or cable and uses an existing underwater powersource. This model can upgrade ROVs to enable live water-corrected HD IP video and data over a single twisted pair within the tether.

Specifications		Rayfin BPC	Rayfin ETP
Sensor & Lens	Sensor	Exmor RS™ CMOS 12-bit	
	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	18-32 Vdc
	Power (W)	11 (idle), 12.4 (recording), 18.4 (peak)	7 (idle), 8 (recording), 13.5 (peak)
	Control	SubC Boost Power Comms	Ethernet over Twisted Pair
	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	Tilt and roll
Mechanical	Materials	Sapphire, Anodized Aluminum	
	Dimensions	<i>Length</i> : 241.56mm, <i>Front Ø</i> : 101mm, <i>Back Ø</i> : 89mm	
	Weight	0.8kg in water, 2.4kg in air	0.75kg in water, 2.2kg in air
	In-water Operating Temperature	-20°C to +30°C	
	Depth Rating	500m	

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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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