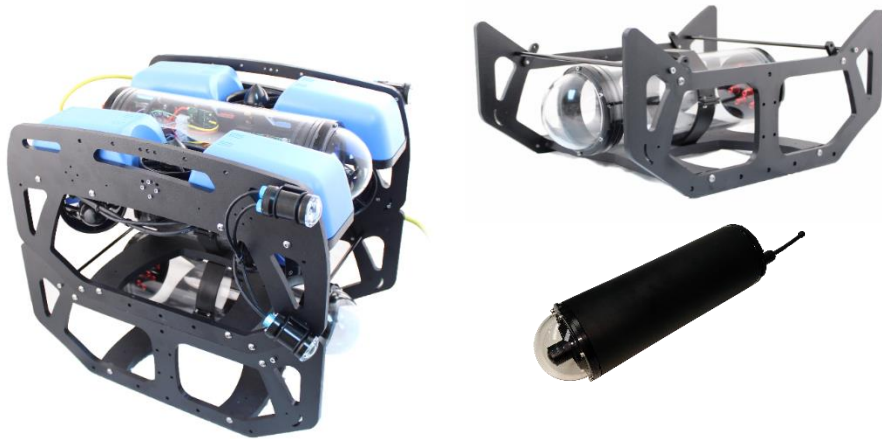# SeaView CinemaCam

SeaView's CinemaCam dramatically increases the video quality and data capabilities of your BlueROV2 to full uncompressed, broadcast quality 4K video with this upgrade kit from innovation leader SeaView Systems. The upgrade kit includes a 4K ultra-high definition (UHD) camera with 3X optical zoom installed on a modular skid designed for your BlueROV2, along with a 10Ah Li-ion battery to power accessories such as lights.

4K UHD 3X Optical Zoom Camera

The 1/2.5 progressive scan image sensor captures vivid UHD video even under low light conditions while the advanced digital imaging processor provides detailed images with wide dynamic range, auto white balance and noise reduction. Other features include user friendly software to remotely operate the zoom, focus and other camera settings.

Data

10/100/1000Base-T RJ45 ethernet provide as much bandwidth as you'd ever need to run equipment like high resolution sonars and HD network cameras. An RS485/232 serial channel can be used to adjust camera settings on the fly.

Power and Controls

3 x PWM outputs fed from the BlueROV2's flight controller auxiliary terminals allow easy control of lights, servos or motors from the pilots hand controller.

The 10Ah Li-ion battery can run 2 x Lumen LED lights for up to 4 hours. 5V, 12V and aux battery terminals provide power for lights and other equipment.

Tether

Fiber optic tether available in standard lengths of 50m, 100m, 200m, 400m and 1km! Custom lengths up to 5km available upon request.
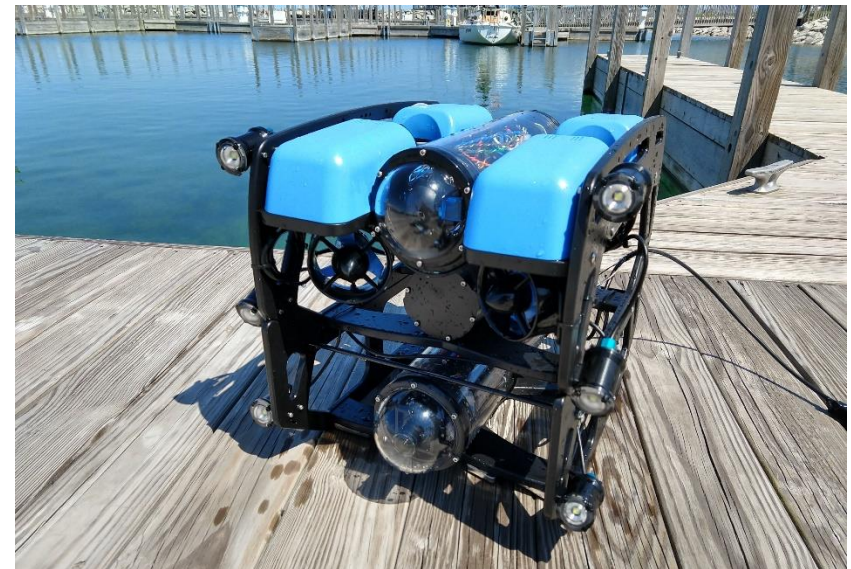
Available as an add on unit for your existing BlueROV2 or with a fully assembled and tested BlueROV2 available directly from SeaView.

Specifications

Lens:	3X Optical Zoom, 3.85mm/78° (Wide), ~13.4mm/25° (Tele)
Video:	
Image Sensor	1/2.5" progressive CMOS
Sensor Size	Diagonal 7.2mm
Effective Pixels	Horiz: 3840, Vert: 2202
Resolution/Frame Rate	4K2160p : 30 / 29.97 / 25 / 24 1080p : 60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 1080i : 60 / 59.94 / 50 720p : 60 / 59.94 / 50
Video Signal Output	HDMI 1.4
Color Space	4:2:2 (YCbCr) 10 bit
Function:	
White Balance	AWB/AE/AF
Exposure	Full Auto; Bright; Shutter Priority; Iris Priority; Manual
Other:	
	WDR; DIS (Digital Image Stabilization; 2D/3D Noise Reduction; Digital Slow Shutter; Black Level Compensation; Flicker Detection
Enclosure:	
Aluminum Housing	Depth Rating of 400m
Communications:	
Telemetry	2 x Single Mode Fibers
	4K UHD HDMI Video
	GB Ethernet
	RS232/485 Serial
Power:	
	14.8V, 10AH Li-ion battery, UN38.3 Passed
Charging:	

		Via Bulkhead Connector (internal access to enclosure not required)
		3 Amp Smart Charger
Tether		
		Breaking Strength 200kgf
		Lengths up to 5km

SeaView Systems, Inc. sells and operates remotely operated vehicles, marine electronics and other custom hardware/software tools including oceanographic instruments, such as the industry-leading SVS-603 wave sensor, to meet oceanographic applications.