Coda Octopus
Sound Underwater Intelligence

/UIS GEN 2.0 Camera

Features

Compatible with Coda Octopus UIS (Underwater Inspection System)

Direct interface for UIS Pole-D and Compact Pole systems

Supplied with Clamp/Grip for easy attachment to Poles and Railings on vessel

IP67 Weatherproof

High Definition 4MP (2688 x 1520) Camera

1080p Video Image Storage

Fully Time Synchronized with Echoscope and Navigation Data

Fully Integrated in our top-end software 4G USE® & USE

Simple and easy-to-use

CAT 3/CAT 5 Ethernet 10 Mbps - 100 Mbps Connector

12V DC Binder Waterproof Connector

Complementary Camera Data -Real-Time Day/Night Video Above Waterline used in conjunction with the Echoscope®

The latest UIS Camera Gen 2 provides complementary real time camera data to the sonar data and is fully integrated in Coda Octopus' software modules. The ability to add fully synchronized video imagery above the waterline to complement your Echoscope subsea inspection and mapping data. The addition of the UIS Camera in most applications (other than open water surveying) can be incredibly helpful for vessel piloting, target identification, situational awareness and assist greatly with client deliverables.

Fully compatible with Coda Octopus's powerful real-time postprocessing software applications—4G USE®, CodaOctopus® Underwater Survey Explorer (USE), and CodaOctopus® Construction Monitoring Solution (CMS)—it has been invaluable in the construction industry for well over a decade.
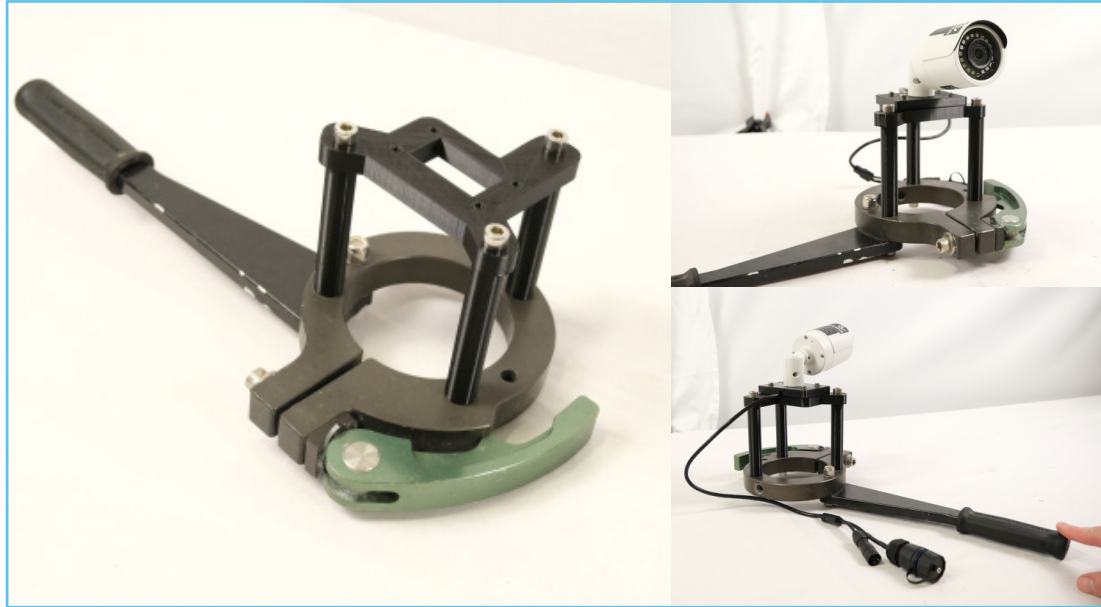
The ability to replay the project by time or look at a specific location and seeing the above and underwater data is in most inland applications extremely beneficial. For real-time placement applications such as construction, dredging and cable lay allow complete scene awareness above and through the waterline.

Benefits

◉ Frame-by-Frame Access for above and below waterline feature comparison between video and Echoscope sonar data

◉ Used to qualify or assist in the understanding of a subsea object when the same target is both above and below the waterline

◉ Provides additional data for applications such as security sweeps where above waterline searches can be conducted at the same time as subsea.

◉ Provides a complementary dataset for inspection applications such as Bridge Inspection data – these images and videos can identify objects of interest above the waterline with all data being georeferenced

◉ Provides seamless above and below the waterline monitoring for tasks such as diver support, construction asset placement, breakwaters and cable lay

◉ UIS Camera can be placed coaxially with the Echoscope or at an independent view angle per application

◉ In multiple Echoscope applications a UIS Camera can be paired with each system

◉ Used as a visual cue or reference point where an object/defect/point of interest may be found below the waterline. "Below Piling #24" etc.

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![Coda Octopus - Sound Underwater Intelligence]

Mobilizations Configurations

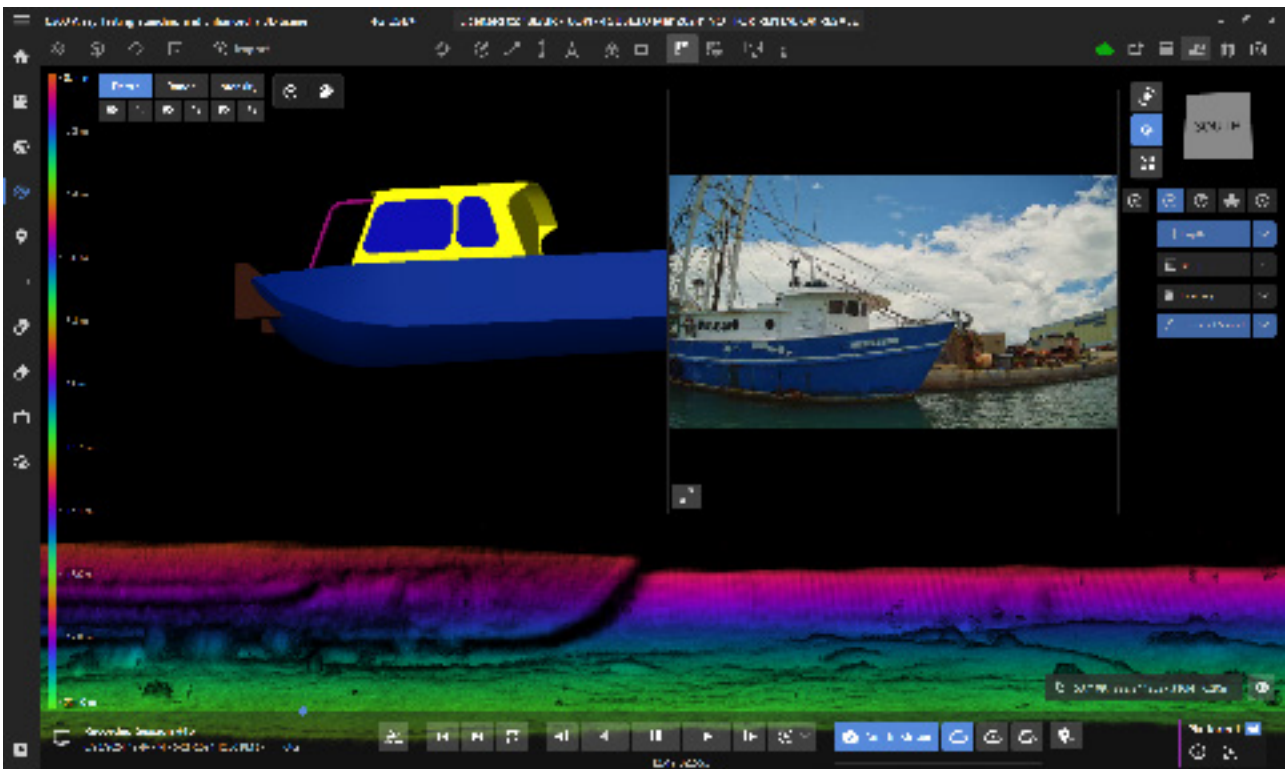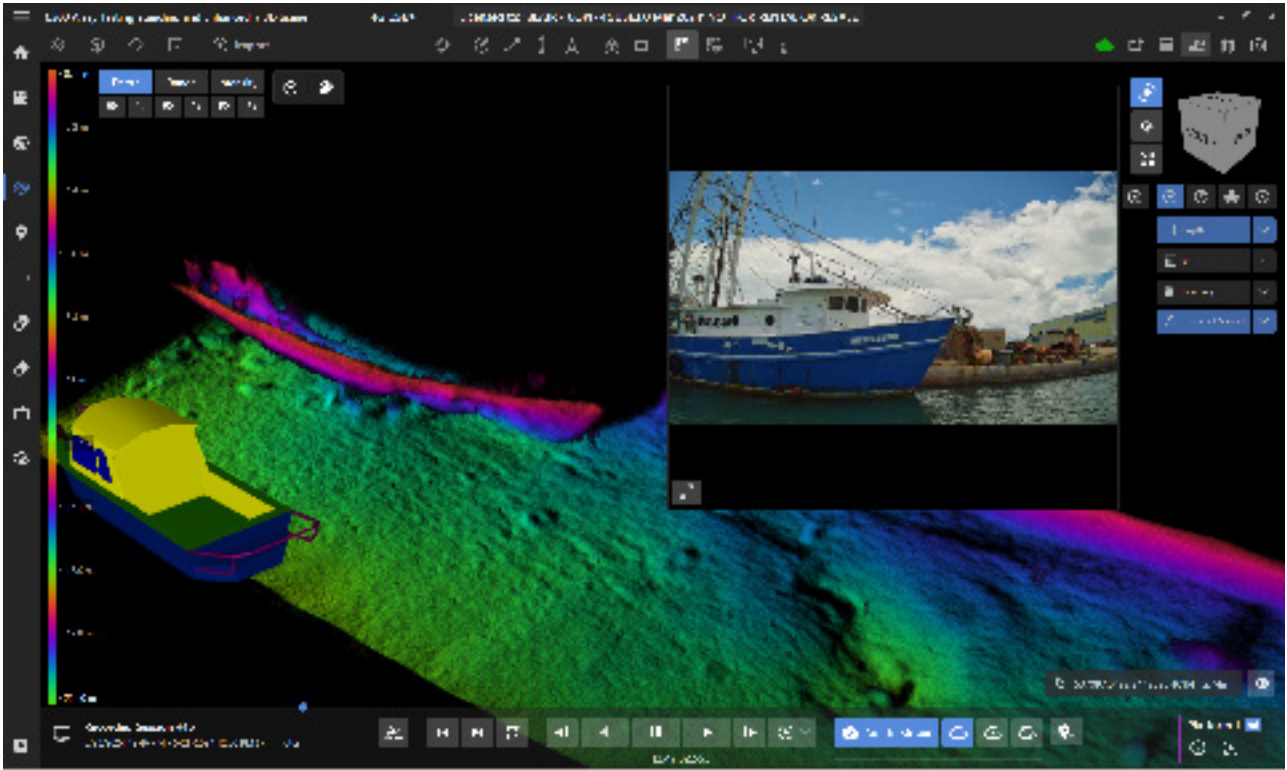**Setup Option 1: Coda Octopus Supplied Pole Assembly Configuration**

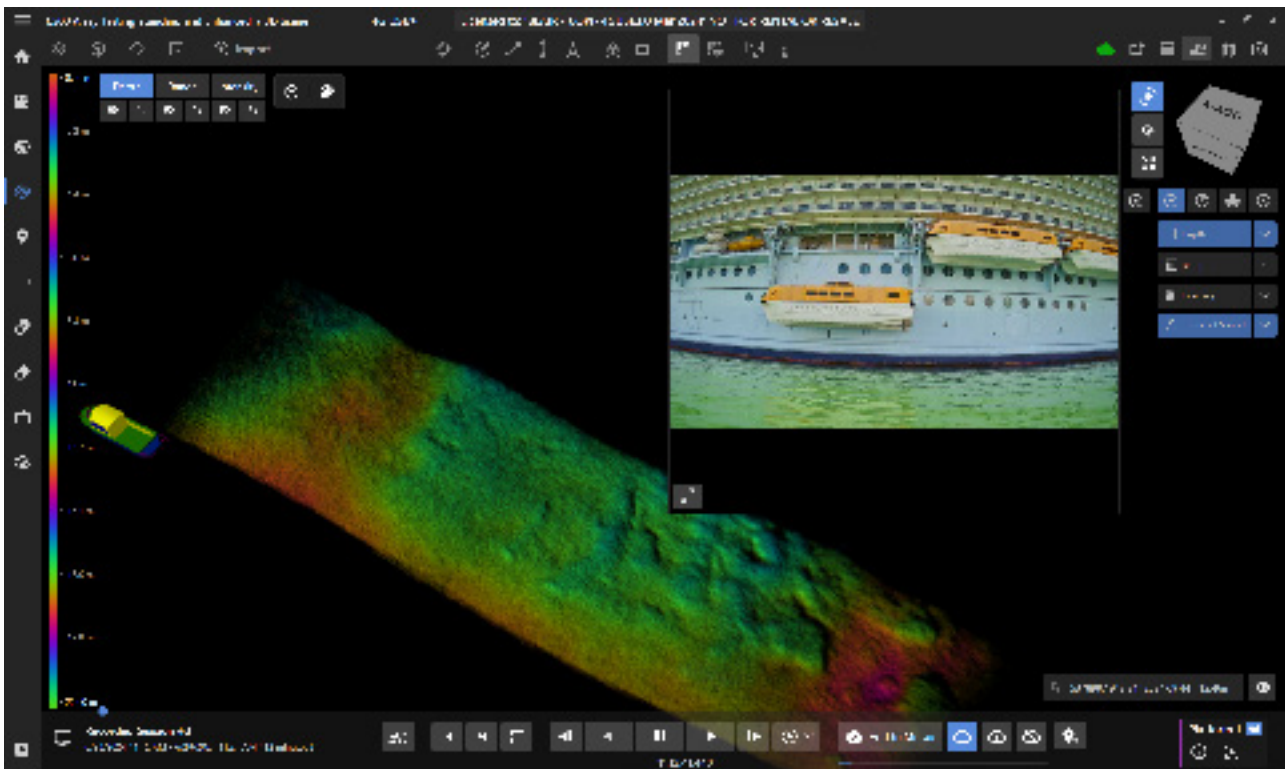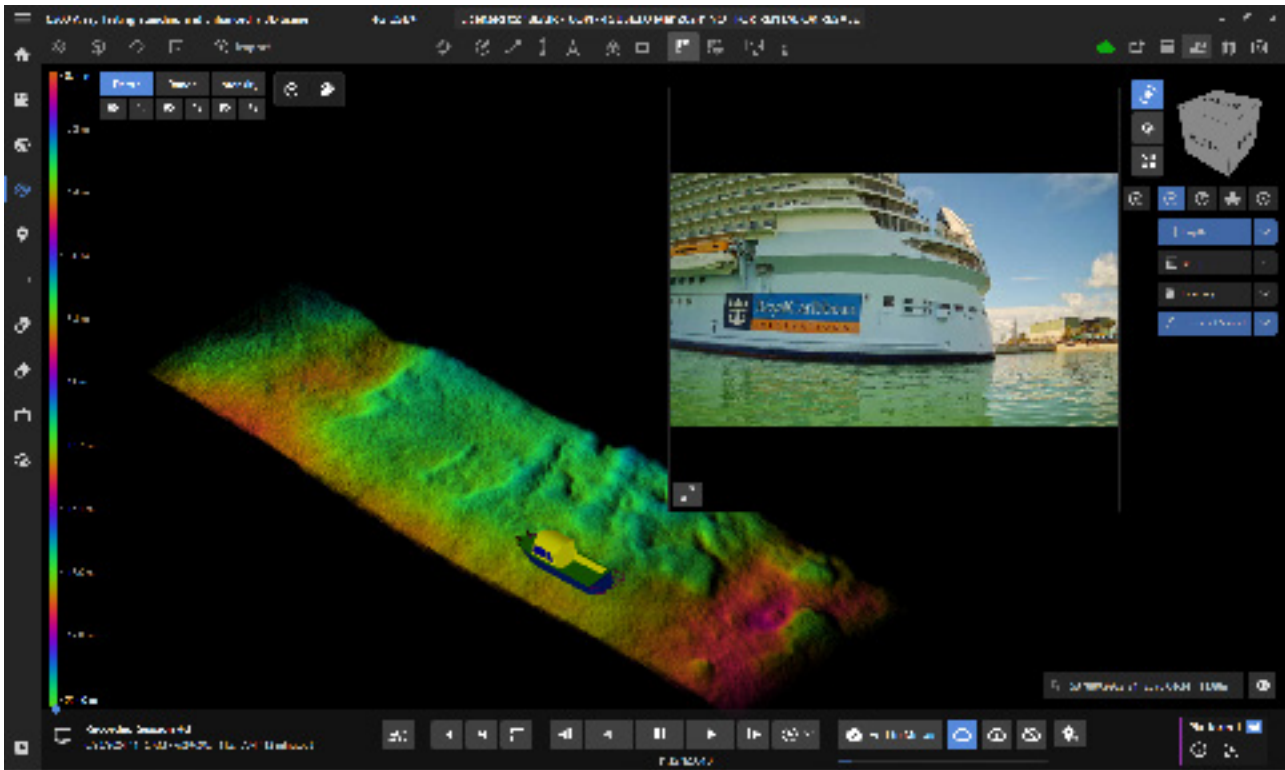**Setup Option 2: Coda Octopus Supplied Lightweight Pole Assembly Configuration**

Setup Option 3: Universal ¼ adapter Configuration

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Camera Data Gallery

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![Coda Octopus logo - Sound Underwater Intelligence]

Camera Data Gallery (Continued)

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Technical Specifications

Network		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP; DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP; Bonjour;802.1x;Multicast;ICMP;IGMP;	
Electrical		
Power Supply	DC12V	
Power Consumption	<4.3W	
Environmental		
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH	
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Ingress Protection	IP67	
Physical		
Camera Construction	Casing	Metal+Plastic
	Dimensions	Φ70mm×164.7mm(2.76''x6.49'')
	Net Weight	0.38Kg(0.84lb)
	Gross Weight	0.44Kg(0.97lb)
Base Plate Construction	Casing	Plastic
	Dimensions	Φ88mm×58mm x 22mm

Certifications

- ◉ CE (EN 60950:2000)
- ◉ UL:UL60950-1
- ◉ FCC: FCC Part 15 Subpart B