

UIS Gen 2.0 Camera

Complementary Real-Time Camera Data to Sonar Data

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

The latest UIS Camera Gen 2.0 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 software suites for Echoscope PIPE® 3D sonars, including 4G USE® and CMS, the UIS Camera systems have been an invaluable component in solutions for operators in diverse applications like construction, salvage and harbour security.

The ability to see surface imagery alongside underwater sonar data is extremely beneficial, providing complete scene awareness in live applications such as construction, dredging and cable-laying, and helping to quickly and precisely identify the locations of subsea targets relative to surface features in inspection tasks. Camera imagery can be viewed alongside the sonar data in real-time, and can be reviewed afterwards when replaying data.



Some of the innovative UIS Gen 2.0 Camera features available are:



Frame-by-Frame Access

Above and Below waterline feature comparison between video and Echoscope® sonar data



Understand Subsea Objects

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



Additional Data

Provide additional data for Applications such as security sweeps where above waterline searches can be conducted at the same time as subsea



Complementary Dataset

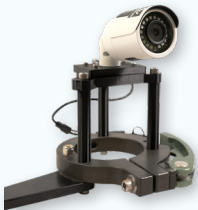
Provides a complementary dataset for inspection applications such as Bridge Inspection data - these images and videos can identify objects of interest above the waterline with all data being georeferenced



Independent View Angle

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

Mobilization Configurations



Coda Octopus Supplied Pole Assembly Configuration

The Coda Octopus Pole Assembly Configuration provides a simple and secure mounting solution for the UIS Camera Gen 2.0. Designed for straightforward installation on survey and work vessels, this option enables rapid mobilization while ensuring consistent camera positioning throughout the project. It is ideally suited to operators requiring a robust, repeatable setup for routine survey, inspection, and construction support operations.



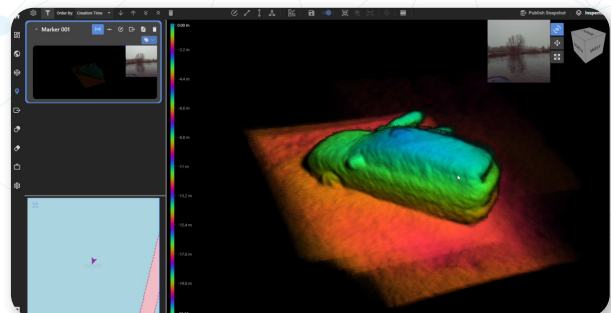
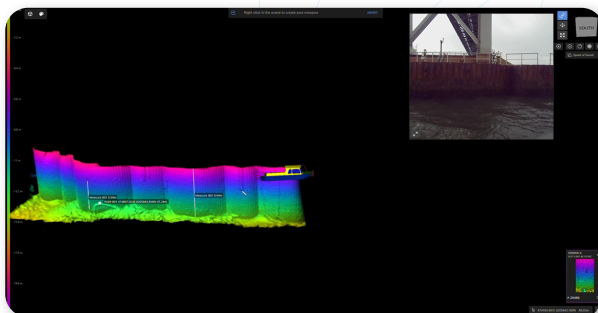
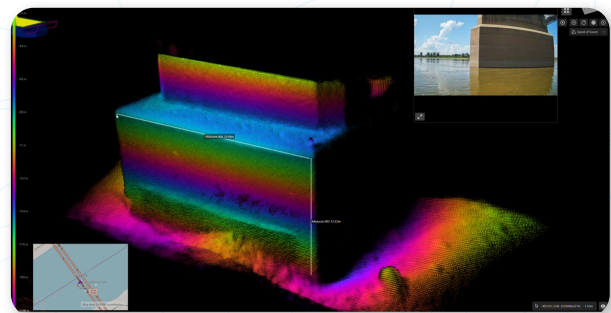
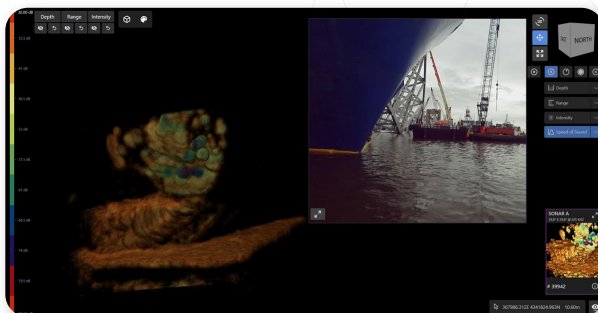
Coda Octopus Supplied Lightweight Pole Assembly Configuration

The Lightweight Pole Assembly Configuration offers a compact and portable mounting option for projects where minimizing equipment footprint and mobilization time is important. The Short L-Shaped Plate Mount allows for quick installation on smaller vessels and temporary platforms, making it well suited to rapid deployments, short-duration projects, and applications where operational flexibility is a priority.



Universal 1/4" Adapter Configuration

The Universal 1/4" Adapter Configuration provides maximum deployment flexibility by allowing the UIS Camera Gen 2.0 to be mounted using standard camera mounting hardware. Compatible with tripods, brackets, and a wide range of third-party support structures, this option enables users to integrate the camera into existing setups with minimal effort, making it ideal for fixed monitoring locations, temporary installations, and custom deployment requirements.



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;	
Power Supply	12 V DC	
Power Consumption	<4.3 W	
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH	
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH	
Ingress Protection	IP67	
Camera Construction	Casing	Metal+Plastic
	Dimensions	Φ70mm×164.7mm(2.76"×6.49")
	Net Weight	0.38Kg(0.84lb)
	Gross Weight	0.44Kg(0.97lb)
Base Plate Construction	Casing	Plastic
	Dimensions	Φ88mm×58mm x 22mm