

Benefits

- Quick and easy setup with full support in all Coda Octopus software
- Web-based diagnostics, monitoring, and configuration
- Dual time-sync capability for Echoscope® sonar, ISAR, and IPT
- Support for Echoscope® PIPE series sonar
- Dual gigabit networking support for multiple clients
- Support up to 2 Echoscope® sonars / rotators and 2 cameras*
- Support for both F280® and F180® models
- Support for external GNSS corrections
- Multiple serial ports
- 12V DC power output for external sensor
- AC and DC power supply options



3D Connect 5G

The 3D Connect 5G unit is versatile, seamlessly working with various sensors like dual sonars, rotators, cameras, and GNSS systems. Whether you have one sensor or many, it is up to the task. Plus, it now supports Echoscope® PIPE series sonars as standard and provides fast gigabit Ethernet networking for all connected sensors and computers.

Handling data and control for all Coda Octopus sonars, single and dual-axis rotators, above-water cameras (e.g., Echoscope AIR® LiDAR), and GPS/motion sensors (e.g., F280® series), the 3D Connect 5G allows easy integration of extra sensors like sound velocity profilers via its onboard serial ports (3 x DB9) and auxiliary 12V power.

Simplifying the deployment of Echoscope® 3D sonars, the 3D Connect 5G saves surveyors time with its intuitive, user-friendly design. Its web-based diagnostics and monitoring interface enable simple online control of all connected devices, including power usage, which is essential for battery or generator-based power setups.

Replacing the previous generation 3D Connect and DIU-212 units used with the UIS system, the 3D Connect 5G is directly compatible with existing sensor cables, ensuring a seamless plug-and-play experience. Moreover, it is fully supported in all Coda Octopus software, including Underwater Survey Explorer (USE), USE PIPE CORE, 4G USE®, and Construction Monitoring Software (CMS).

With the flexibility to be mounted on walls for permanent setups or used on any available vessel, the 3D Connect 5G offers both AC and DC power options, making it an ideal choice for deploying Echoscope® on any vessel or surface.

* Dual Echoscope® / Rotator Connectors and Dual Camera Interface Connectors are features available with the enhanced 3D Connect 5G model "21-02" only.

Features

- Wall or desk mount with integral mounting holes
- Simple web Interface for diagnostics and monitoring
- Remote power on/off API command option
- Dual time-sync capability on Echoscope® sonar, ISAR, and IPT
- Support up to 2 Echoscope® sonars / rotators and 2 cameras*

Specifications

Power Input

- 24v-30v DC Input
- Available from:
 - Bundled 3D Connect PSU
 - Direct 24v-30v DC Power Source

Power Output

- Multi-output Power Supply Supporting All Connected Sensors
- Additional 12v DC Aux Power Output (2A)

Data Input and Output

- Up to 2 x Echoscope® / Rotator Connectors*
- Up to 2 x Camera Interface Connectors*
- 1 x Motion (F180® / F280®) Series Connector
- 2 x RJ45 Ethernet Gb/s Ports for Network Communication
- 3 x DB9 Serial Connectors for External Sensor Input
- 1 x DB9 Serial GNSS Corrections I/O
- 1 x BNC PPS TTL Signal Input
- 1 x DB9 Serial Time Input Connector (ZDA)

Physical

- Dimensions: 278 x 170 x 90 mm (10.94 x 6.69 x 3.54 in)
- Weight: 3.0 kg (6.61 lb)

Publication Date: 05.24
Version: 2.1.05.24