Coda Octopus
Sound Underwater Intelligence

/3D Connect 5G

Benefits

Quick, Easy Setup and Installation with full support in all Coda Octopus software

Web based Diagnostics, Monitoring and Configuration

Dual Time-Sync Capability for 3D sonars, ISAR & IPT

Echoscope® PIPE Sonar Support

Dual Gigabit Networking Support for Multiple Clients

3D Connect 5G DUAL version supports up to 2 Sonars, 2 Rotators and Dual Cameras*

Support for both F280® and F180® Models

Support for external GNSS Corrections

3D Connect 5G

The 3D Connect 5G is our new generation of power, control and data integration units. This new 3D connect is designed to optionally support multiple sensor deployments (such as dual sonars, rotators, cameras and GNSS systems). It is also suitable for single sensor deployments. Support for Echoscope® PIPE sonars is now standard as well as Gigabit Ethernet networking support for all attached sensors and computers.

The new 3D Connect 5G effortlessly handles data and control of all Coda Octopus sonars, single and dual-axis rotators, above water cameras and GPS and Motion sensors. Additional sensors such as Sound Velocity Profilers are easily integrated with the onboard serial ports (3 off) and auxiliary 12V power.

The new 3D Connect 5G allows users to further simplify deployment of the Echoscope® range of 3D sonars, increasing project efficiency by saving surveyors time with an intuitive, easy-to-use solution. The new built-in Web based Diagnostics and Monitoring interface further allows simple online monitoring and control of all connected devices including power usage. This can be an essential tool for battery or generator-based power configurations.

The 3D Connect 5G replaces the previous generation 3D Connect and DIU-212 used with the UIS system. It is directly compatible with the existing sensor cables used in the system, creating a seamless, plug-in solution. In addition, it is fully supported in Coda Octopus software Underwater Survey Explorer (USE), USE PIPE CORE, 4G USE® and Construction Monitoring Software (CMS).

The 3D Connect 5G can be wall mounted for permanent installations but is small and portable to be used on any vessel of opportunity. With AC and DC power options the 3D Connect 5G provides the optimum Echoscope deployment for all vessel and surface applications.

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 3D Sonars and IPT
- . Supports up to 2 Sonars, 2 Rotators and Dual Cameras*

Specifications

Power Input
- 24v-30vDC Input

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

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

Data Input/Output
- Up to 2 x Coda Octopus Sensors (Sonar, Motion, Camera and Rotator)
- 2 x RJ45 Ethernet Gb/s Ports for PCs
- 3 x RS232 DB9 Serial for External Sensor Input
- 1 x RS232 DB9 Serial GNSS Corrections I/O
- 1 x BNC PPS TTL Signal Input
- 1 x RS232 DB9 Serial Time Input Connector (ZDA)

Physical
. Dimensions: 278 x 170 x 90 mm (LWH)
. Weight: 3.0 Kg

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