/3D PSU 5G

Coda Octopus
Sound Underwater Intelligence

Unify Power, Communication, and Synchronization for Accurate Underwater Surveys

The 3D PSU 5G is a power supply unit as well as an integrated communications hub for Echoscope® real-time 3D sonar or Coda Octopus rotator. In addition, the 3D PSU 5G allows the sonar or rotator to be synchronized to a time source that outputs a PPS signal and an NMEA ZDA formatted time telegram, ensuring accurate and reliable survey data.

Superior Synchronization

Achieve 1-millisecond synchronization accuracy for the entire survey duration, ensuring high-quality data collection.

Built-in Web Interface

Configure time synchronization properties, discover devices on the network, and toggle power for the connected device through the built-in web interface.

Simple Integration

Easily integrate with standard inputs (NMEA ZDA string over RS-232 and 1PPS signal) for seamless operation.

User-Friendly Indicators

Monitor status effortlessly with LED indicators for inputs and time synchronization.

Full Compatibility

Works seamlessly with Coda Octopus's F180®/F280® series and 4G USE® software for reliable performance.

Technical Specifications

Sensor Connector I/O	◉ 1 x Sonar (Echoscope PIPE® / Echoscope⁴ᴳ®) or Rotator Connector
General I/O	◉ 1 x RJ45 Ethernet Gb/s Port (for 4G or PIPE Sonars only)
	◉ 1 x DB9 Serial Connector (for 4G sonar or rotator use only)
	◉ 1 x BNC PPS TTL Signal Input
	◉ 1 x DB9 Serial Time Input Connector
Power	◉ 110-240V AC Input
	◉ 24V DC Device Power Switch
Physical	◉ Weight: 4.1 kg (9.0 lb)
	◉ Dimensions (LxWxH): 360mm x 160mm x 90 mm (14.2 x 6.3 x 3.5 in) excluding connectors
	◉ Storage Temperature: -20-60°C (non-condensing)
	◉ Operating Temperature: 0-40°C
Software	◉ Web interface with device power on/off, voltage/current readings, and time-sync status
	◉ Remote command capability for power on/off, voltage/current readings, and time-sync status

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