

# NANO Gen Series 3D PSU

*Unify Power, Communication and Synchronization*

The newest generation of power, control and data integration units designed specifically for the newest generation of sonars.

The *NANO Gen Series 3D PSU* is the newest generation of power, control and data integration units designed specifically for the Echoscope PIPE *NANO Gen Series*®. The *NANO Gen Series 3D PSU* supports the use Echoscope PIPE *NANO Gen Series*® and our latest Integrated Pan and Tilt device, the *NANO IPT*. Designed to effortlessly handle data and control both devices, the *NANO Gen Series 3D PSU* also allows both devices to be time synchronized to millisecond level accuracy

for the duration of operations. Easy-to-read LEDs on the power supply housing display the status of inputs, power usage, and synchronization status. Its web-based diagnostics and monitoring interface enable simple online control of all connected devices, including power usage. Moreover, it is fully supported in all Coda Octopus software, including 4G USE®, and Construction Monitoring Solution (CMS). With the flexibility to be mounted on walls for permanent setups or used on any available vessel, the

*NANO Gen Series 3D PSU* offers both AC and DC power options, making it an ideal choice for deploying Echoscope PIPE *NANO Gen Series*® on any vessel or surface platform.



Some of the innovative *NANO Gen Series 3D PSU* features available are:



**Quick and Easy**

Setup with full support in all Coda Octopus Software



**Web Based App**

Built-in Diagnostics, Monitoring and Configuration



**MOTION Support**

Support for both F280® and F280 Models



**Synchronization**

Synchronizes Echoscope PIPE® or Rotator to external time source with 1ms accuracy



**4G USE® Support**

Full Support for the 4G USE® Software

|                        |                                                                                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input            | 100 - 200 VAC Input                                                                                                                                                                                  |
| Power Output           | 48 V DC                                                                                                                                                                                              |
| Data Input/Output      | RJ45 Ethernet GB/s Ports for PC<br>48 V DC and Ethernet to Echoscope PIPE NANO Gen Series®<br>BNC PPS TTL Signal Input<br>RS232 DB9 Serial Time Input Connector (ZDA)<br>AC Power In (100 - 240 VAC) |
| Dimensions (L x W x H) | 229 mm x 133 mm x 98 mm<br>(9.02" x 5.24" x 3.54")                                                                                                                                                   |
| Weight in Air          | 2.2kg<br>(4.85lbs)                                                                                                                                                                                   |
| Storage Temperature    | -20°C - 60°C (non-condensing)                                                                                                                                                                        |
| Operating Temperature  | 0°C - 40°C                                                                                                                                                                                           |

