Compact, rugged and reliable fourth generation of geophysical acquisition systems

The DA4G™ series of acquisition systems from the CodaOctopus:GEO family provides high quality, robust and reliable data acquisition from the latest digital and analogue sidescan sonar and sub-bottom profiler sensors.

DA4G is the 4th generation of our successful DA series® and is built on twenty years of knowledge, experience and innovation in supplying unparalleled products and service to the worldwide geophysical survey sector. These purpose-built, turn-key, systems incorporate the very latest hardware specifications and are designed and delivered to meet the demanding nature of offshore survey work.

With a series of options within the DA4G range and backed up with unrivalled global service and support, CodaOctopus:GEO remains the family of choice for advanced geophysical solutions.
**System Variants**

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<td>SSS or SBP</td>
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<td>DA4G 1000</td>
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**Technical Specifications**

**Inputs & Outputs**

Digital Sonar Interfaces

*Full range of EdgeTech, Klein, Benthos, GeoAcoustics, and SES geophysical sensors, as well as RESON & ATLAS multi-beam backscatter*

Analogue Sonar Inputs

*Adjustable analogue input ranges compatible with all analogue sidescan sonar outputs and sub-bottom profilers including direct hydrophone connection. Improved low voltage performance*

Additional Sensors

*Heave and Magnetometer inputs*

Trigger Inputs

*Standard TTL input. Up to 2 independent triggers*

Trigger Outputs

*Standard TTL output. Up to 2 independent triggers*

Navigation & Fixes

*Large navigation library as standard with ability to create customised string decodes*

Printer Interfaces

*Up to two independent printers using parallel or Ethernet interfaces. Octopus, EPC, Alden, iSys are all supported*

Network

*Dual Autosensing Gigabit Ethernet Adapters for data recording and interface to digital sonars*

Display

*Up to 3 monitors supported (2x HDMI/DVI-D, 1x VGA)*

USB

*6x USB (2 front, 4 rear)*

Serial Ports

*2x RS232 serial ports*

**Data Recording**

Devices

*Internal hard disk, external hard disk (USB), remote recording to network drive, DVD RAM*

Formats

*CODA, SEG-Y, XTF. Both raw and processed data can be recorded*

**Display**

Modes

*Vertical and Horizontal scrolling windows in both directions, single or dual channel; Oscilloscope window; Zoom windows; Fix & Scale lines; Attribute plotter*

**Processing**

Sidescan

*Time Varying Gain; Image Enhancement; Across Track Smoothing; Along track speed correction; Automated Bottom Tracking; Measure tool; Mosaicing optional*

Sub-bottom

*All Sidescan options plus: Time Varying Filtering; Swell Filter; Heave Filter; Trace Mixing (Stacking)*

**Interpretation Extensions**

Survey Engine Seismic+

*State of the art seismic processing and interpretation package*

Geokit Sidescan

*Interpret and report sidescan targets. Fully customisable reporting solution*

Mosaic

*Extensive and extremely powerful Mosaicing output*

Geokit on Mosaic

*Interpret and report directly on the sidescan sonar Mosaic*

Pipeline Inspection

*Automated and manual Pipeline Inspection Toolkit*

**Physical**

Dimensions

*19” 1U rack-mountable system (19” x 14” x 1.75”)*

Processor

*Intel Core i7 610E 2.53 GHz*

RAM

*Up to 8GB (4GB standard)*

Hard Disk

*500GB 7200 RPM SATA*

DVD

*DVD Multidrive R/W + RAM compatible*

Power

*Universal AC (90-132V, 180-264V AC @ 47-63Hz, auto-ranging)*

Shipping Case

*Custom foam fitted Peli-case*

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