



Benefits

- High quality, reliable and rock solid acquisition
- Windows 7, 64 bit OS and Intel Core® i7 processor
- Full range of digital and analogue sonars supported
- Survey Engine® and GeoSurvey™ compatible
- Minimal field setup
- Expert 24x7 Technical Support

Applications

- Site survey
- Pipeline survey
- Geophysical survey
- Geo-hazard survey
- Cable route survey
- Environmental survey
- Wind Farm survey

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.

Features

- Compatible with all leading sidescan sonars and sub-bottom profilers in digital or analogue formats
- Acquire digital and analogue data simultaneously
- State of the art, workstation-class hardware platform
- Windows 7, 64 bit Operating System
- Up to 4 analogue input channels
- Up to 4 navigation inputs
- Dual independent simultaneous triggering
- Dual monitor support (2x HDMI or DVI-D, 1x VGA)
- Dual printers via network or parallel ports
- Magnetometer input Includes GeoSurvey software and fully compatible with the new Survey Engine® range of processing software



System Variants

Model	Triggers	Channels	Interface	Additional Information
DA4G 500	1	2	SSS or SBP	Dual Monitors
DA4G 1000	1	4	SSS & SBP separately	As DA4G 500 with multiple display windows
DA4G 2000	2	4	SSS & SBP simultaneously	As DA4G 1000 with dual printing and multiple sensors

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 back scatter
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. Up to 4 navigation inputs supported.
Printer Interfaces	Up to two independent printers using parallel or Ethernet interfaces. CodaOctopus, EPC, Alden, ISys are all supported
Network	Dual Autosensing Gigabit Ethernet Adapters for data recording and interface to digital sonars
Display	Up to 2 monitors supported (2x HDMI/DVI-D, 1x VGA)
USB	6x USB (2 front, 4 rear)
Serial Ports	2x RS232 serial ports. Additional ports can be added through use of USB to RS232 adapters.

Data Recording

Devices	Internal hard disk, external hard disk (USB), remote recording to network drive/server, 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
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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®	State of the art processing, interpretation, reporting and mosaicking software suite for both seismic and sidescan data. Please refer to our separate Survey Engine datasheets for further details.
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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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