CodaOctopus:GEO
Advanced Geophysical Solutions

/GeoSurvey™

Benefits

Simplified Digital Acquisition

Transferable Software Licenses

Windows™ 11 Compatible

Minimal Field Setup

Expert 24/7 Technical Support

Reliable Geophysical Acquisition Software

Coda GeoSurvey is the industry-standard workhorse acquisition package from the CodaOctopus®:GEO family. It allows for the acquisition of digital geophysical data from leading sensors without the need for any additional hardware.

Provided as a transferable software license and installation executable, GeoSurvey facilitates the use of existing PC hardware for geophysical data acquisition.

Coda Octopus GeoSurvey has for decades been trusted to acquire, process and display geophysical survey data in our DA series of acquisition systems; it is now available as a stand-alone software package, turning any Windows 11 PC into a robust data acquisition system.

Backed by thirty years of knowledge, experience and innovation, and with high quality global service and 24/7, 365 technical support, CodaOctopus:GEO remains the family of choice for advanced geophysical solutions.

Features

⦿ Compatible with all leading digital sidescan sonars and sub-bottom profilers

⦿ Magnetometer input

⦿ Fully compatible with our Survey Engine® range of processing software, or third part applications

⦿ Soft license, no physical dongle required

Applications

⦿ Site Survey

⦿ Pipeline Survey

⦿ Geophysical Survey

⦿ Geo-hazard Survey

⦿ Cable route Survey

⦿ Environmental Survey

⦿ Wind Farm Survey

CodaOctopus
Sound Underwater Intelligence

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Technical Specifications

Inputs and Outputs

Digital Sonar Interfaces	Full range of EdgeTech, Klein, Benthos, GeoAcoustics, and SES geophysical sensors, as well as RESON & ATLAS multi-beam back scatter
Additional Sensors	Heave, Magnetometer and Speed of Sound inputs
Navigation & Fixes	Large navigation library as standard with ability to create customised string decodes Ancillary information such as KP and Distance Cross Course can be recorded alongside sonar data
Printer Interfaces	Up to two independent printers using Ethernet interfaces (via client supplied PC)

Data Recording

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
Sub-bottom	Bottom Tracking; Measure Tool; All Sidescan processing options plus: Time Varying Filtering; Swell Filter; Heave Filter; Trace Mixing (Stacking)

Interpretation Extensions

Survey Engine® Seismic+	State of the art sub-bottom profiler processing and interpretation package
Survey Engine® Sidescan+	Interpret and report sidescan targets. Fully customisable reporting solution
Survey Engine® Mosaic+	Extensive and extremely powerful Mosaicing output including interpretation
Survey Engine® Pipeline+	Automated and manual Pipeline Inspection Toolkit
Survey Engine® Automatic Object Detection Package "SEADP"	Automatic boulder detection on the sea bed with comprehensive reporting on each detected boulder.

GeoSurvey Digital Interfaces Available

Manufacturer	Model					
⊙ EdgeTech	2200-S	2200-M	2400			
	3100	3200	3400			
	4100	4125	4200 SP	4200 MP	4205	4300
⊙ Klein	3000	3000 with SBP	3900	5000		
⊙ Teledyne RESON	SEABAT Sidescan					
⊙ Benthos	SIS 1000/3000	SIS 1500	SIS 1600			
⊙ ATLAS	ATLAS Sidescan					
⊙ SES	SES Multilink					
⊙ GeoAcoustics	GeoAcoustics DSSS/Chirp					