

Hydrographic Survey Software



HYPACK, Inc.

HYPACK® is the most widely used hydrographic software package in the world.

HYPACK® provides all of the tools necessary to complete your hydrographic, side scan and magnetometer survey requirements. With over 4,000 users around the world, HYPACK® provides you with the tools necessary to meet almost any hydrographic survey requirement. It provides tools to design your survey, collect your data, apply corrections to soundings, remove outliers, plot field sheets, export data to CAD, compute volume quantities, generate contours, create side scan mosaics and create/modify electronic charts.

HYPACK® contains powerful tools that let you quickly design your survey. Design tools allow you to:

- Set your geodetic parameters
- Import background charts
 - DXF, DGN, S-57, TIF, MrSid, ARCS
- Configure your survey equipment
 - Equipment type
 - Connection information
 - Offset information
- Create your planned lines
 - Manual entry
 - Parallel & Perpendicular patterns

HYPACK®'s SURVEY program provides you with the power and flexibility to quickly complete your survey work. SURVEY accepts input from GPS, range-azimuth systems, echosounders, magnetometers, telemetry tide systems, and over 200 other sensors. It also provides positioning data for our SIDE SCAN SURVEY program (a standard part of HYPACK®).

	HYPACK®	HYPACK® Lite
HYPACK® Shell	●	●
Geodetic Parameters	●	●
Geodetic Utilities	●	●
CHANNEL & ADVANCED CHANNEL DESIGN	●	●
Single Beam Latency	●	●
Preparation Editors	●	●
HYPACK® SURVEY	●	●
DREDGEPACK	○	○
Tide Correction Routines	●	●
Sound Velocity Corrections	●	●
Shared Memory Routines	●	●
Single Beam Editor (SBMAX)	●	●
Sounding Selection	●	●
EXPORT TO CAD	●	●
Plotting (HYPLOT)	●	○
CROSS SECTIONS & VOLUMES	●	○
TIN MODEL	●	○
3DTV	●	●
ADCP Programs	●	●
Utility Programs	●	●
Multibeam Data Collection	○	○
Multibeam Data Processing (MBMAX, HYCUBE)	○	○
Multibeam Performance Test and Calibration (Patch Test)	○	○
Subbottom Data Collection	●	●
Subbottom Data Processing	●	○
SSS Data Collection & Real Time Mosaicking	●	●
SSS Mosaic & Targeting	●	○
GEOCODER	●	○
EncEdit	●	●
File Format Converter	●	●

The SURVEY program allows you to track multiple vessels. You can track your own survey vessel, or a vessel and a towfish, or a vessel and an ROV or multiple vessels with the same easy-to-use program.