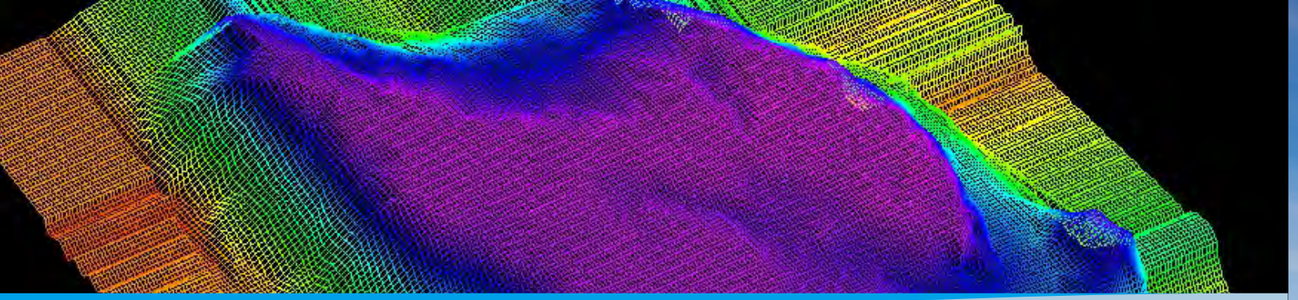
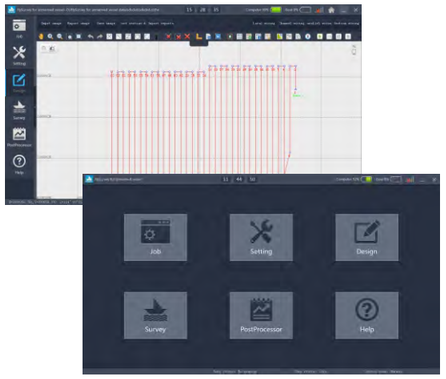


SOFTWARE

About AUTO-PILOT

South owns the independent R&D ground control software, masters the core technology. It can support tasks planning, paths management, data collection, etc. In the case of static water, the accuracy of the sailing path can be 0.1m, and the accuracy error will not exceed 1m in the case of level 2 sea condition(Smooth-wavelet).

Equipped with South high-precision GNSS receiver and controlling system, SU30 can automatically return after completing the preset tasks, perfect match multiple operation modes and realize accurately sailing along the planned path.



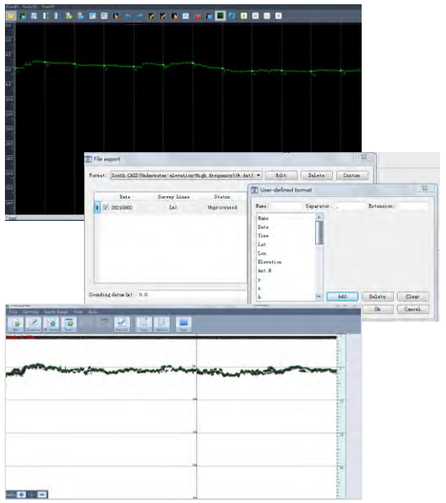
About HYSURVEY

Hysurvey software is for single beam echo sounder survey software, support Windows system. The simple operation, stable running, professional and multi-function let Hysurvey to be the one of the most widely used hydrographic software.

SOUTH Hysurvey supports all types of GNSS receivers, supports the multiple sensor correction, like SVP, tide station and so on, Hysurvey processes all the data and exports to the coordinate of see bottom.

Hysurvey supports the output of data in custom format, which facilitates data export and enables users to perform data post-processing more quickly and conveniently.

Echo sounder software can configure the SOUTH echo sounder parameters, show the wave images, mark and export the PDF format files.



SOUTH
Target your success

SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.
Add: South Geo-information Industrial Park, No.39 Si Cheng Rd, Guangzhou, China
Tel: +86-20-23380888 Fax: +86-20-23380800
E-mail: mail@southsurvey.com export@southsurvey.com impexp@southsurvey.com gnss@southsurvey.com
http://www.southinstrument.com http://www.southsurvey.com

SOUTH
Target your success

POSEIDON SU30

UNMANNED SURFACE VEHICLE

SMALL FRAME
MARVELLOUS ENERGY

DUAL CULVERT-DESIGN PROPELLER

Rugged and durable, strong corrosion resistance makes it can work in sea water and waste water, waterproof IP68. Effectively prevent deposits. Easy to disassemble and assemble.

WIDER PERSPECTIVE

The camera is in the front position with 360° rotating angle. It has twice the monitoring angle than ordinary camera, contains a larger monitoring range, more targets are presented in pictures and video at the same time, the result is more coherent and the target is clear.

MODULAR DESIGN

Unique moon pool design: a separate hole in the middle of the hull for easy replacement of equipment (Standard: SDE-18S Echo Sounder. Option: SDE-19S, ADCP, etc.). And the removable propeller, camera and battery can make after-sales more convenient and efficient.

REMOTE CONTROLLER

SKYDROID M12 R/C adopts wireless communication mode, operating frequency with 2.4GHz, max transmission distance reaches to 2KM. Waterproof grade as IP65. With powerful transmission links and built-in intelligent transmission.

Poseidon SU30 USV is a new generation of high intelligent USV. The modular design brings enormous convenience for both end users and manufacturers. Small physical makes hydrographic survey go everywhere. Fields of Surveying and Mapping, Hydrogeology and Water Management can be easily covered. In addition, SU30 can be customized according to user's requirements.

SPECIFICATIONS

Physical	
Dimensions	1205mm × 560mm × 440mm
Weight (no instrument)	7kg
Performance in wind and wave-resistance	≤smooth-wavelet 0.1~0.5m,
	≤windspeed 3BF, 3.4~5.4m/s
Material	High-impact GFRP
Draught	≤15cm
Maximum speed	6m/s
Communication	
Methods	Network bridge 5.8G, R/C 2.4G, LTE 4G (optional)
R/C Range	2KM

Battery	
Type	Lithium polymer
Power	29.4V 35Ah
Duration	4 hours with auto-pilot mode
Waterproof	IP68
Camera	
Resolution	1920 ×1080
Infrared Distance	≥20m
Focus mode	Automatic / Semiautomatic / manual
Digital zoom	16 times
Waterproof	IP65