

星天海洋
STARTEST MARINE

GeoSide500

Portable Side-Scan Sonar

Product Overview

GeoSide500 is a compact, low-power side-scan sonar with high resolution and long range. Its modular design supports multiple survey platforms. The streamlined sonar head is lightweight and easy to install, and the interface box integrates satellite positioning.

Clean, which provides strong safeguards for efficient operations.

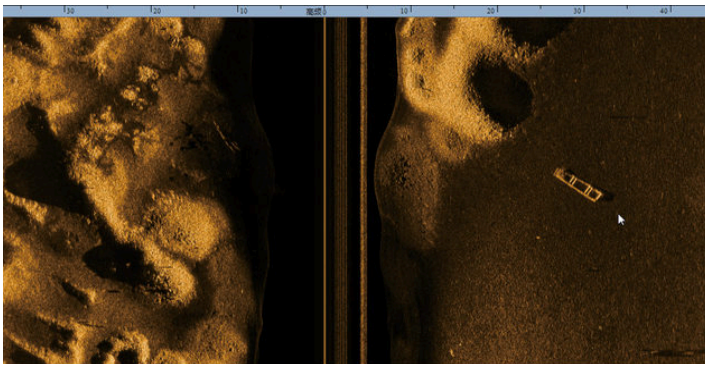
GeoSideScan provides live sonar control, acquisition, target marking and management, image display and network streaming. Third-party software can access live sonar data for system integration or process recordings exported in standard XTF format.

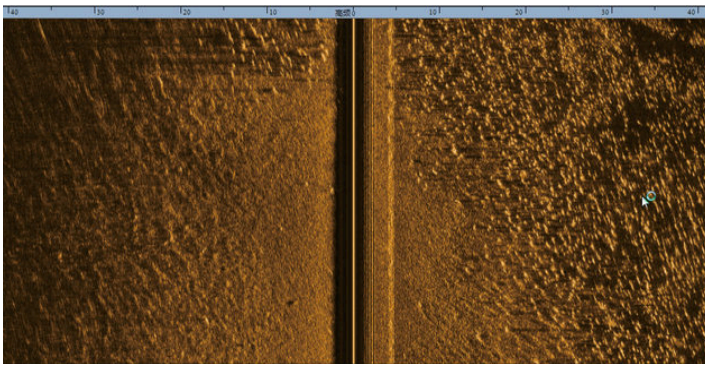


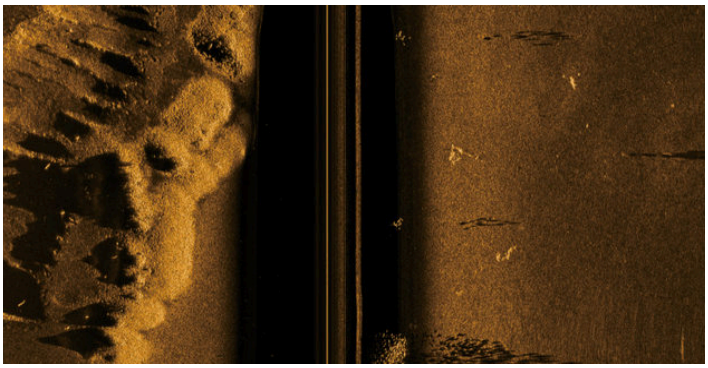
[Survey Results]

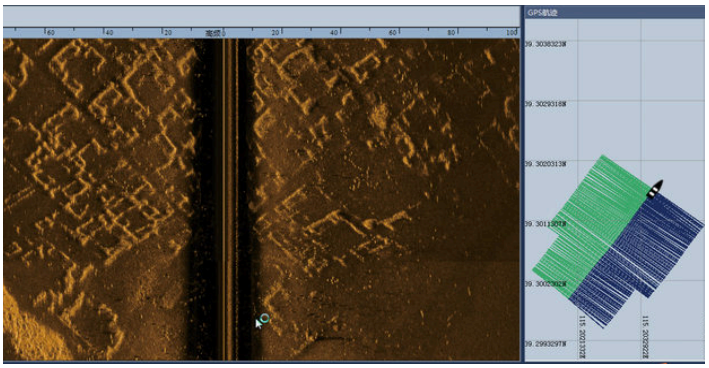
The GeoSide500 portable side-scanning system is simple, light and portable and can be easily deployed on small measurement vessels or temporary measurement platforms.

The following is an illustration of the results of the actual measurements.





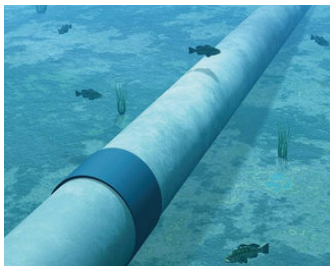




[Applications]



Underwater archaeology



Submarine pipelines and cable laying



Underwater search and rescue



Fisheries resource management

[System Features]

- Efficient, low-cost, high-reliability
- Friendly human interface, user-friendly
- High resolution, high sweep measurement.
- Support multiple data format conversion and output
- Easy, easy to handle, easy to transport.
- Marking and target management functions to facilitate repeated scanning of suspected targets
- High-precision Chirp imaging technology. System resistance.
- Supports multiformat charts data loading and display, high-precision local coordinate mapping

[Technical Specifications]

Operating Frequency	500KHz
Signal Type	Chirp/CW
Signal broadband	100KHz
Most of the way.	150 m (one side)
Horizontal opening angle	0.4°
Open Vertical Angle	50°
Vertical trajectory resolution	0.75cm

Path Resolution	0.007 Quantum
Angle power exchanger installation	20°
Soft and Hardware Image Balance	Supported
Water Column Imaging	Supported
Data Interface	Ethernet
Navigator Visibility Software	Embedding GeoSideScan
Output Data Format	GDSS (convertable to XTF)

[Physical Specifications]

Wet end dimensions	640 mm*110 mm (long* diameter)
Wet weight	7.3kg
Working methods	Fixed installation
Electricity	24VDC/37W（Max）

Standard accessories	Safe cable.	It's wet.
	Safety compartments	Data Interface Box
Optional accessories	Integrated satellite positioning equipment	Installation of support racks on measuring poles
	Satellite positioning antennas (with feeders)	Visibility terminal

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