星天海洋
STARTEST MARINE



GeoPass200

Sub-Bottom Profiler

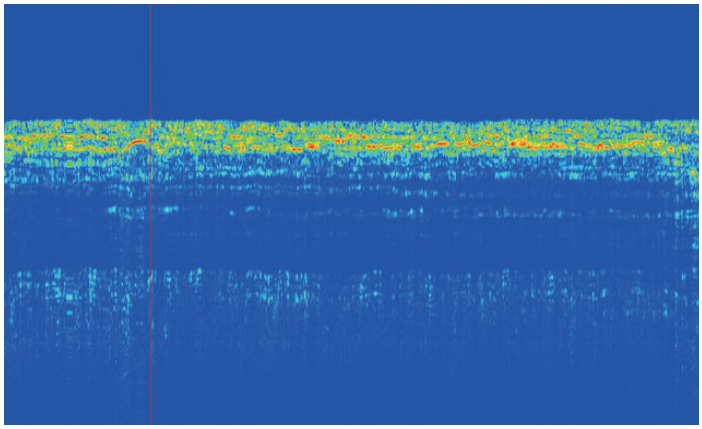
Product Overview

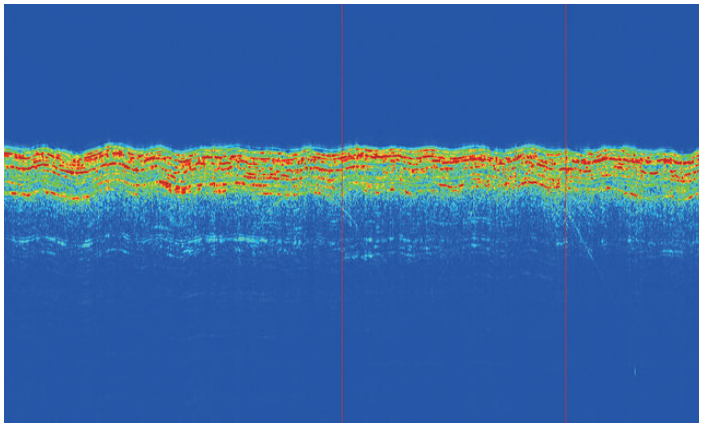
GeoPass200 sub-bottom profiler uses a range array technique with an original frequency frequency of 200KHz, with differential frequency coverage of 10-40KHz, with accurate bathymetric results and penetrating data, small size, light weight, low utility, easy to carry by unmanned ship, suitable

Inland water sludge measurements and grave detection.



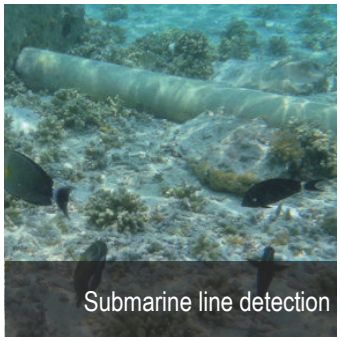
[Survey Results]



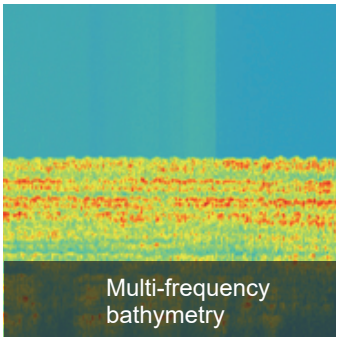


[Applications]









[System Features]

- The GeoPass series has narrow beams, concentrated around 4°.
- The equipment is robust and reliable.
- Broadband systems, with no visible edges, with high resolution and excellent performance against the background of commingling
- It's a little handy, it's easy to install, it's easy to board a drone, it's a underwater robot.

[Technical Specifications]

Frequency	180~220KHz
Different frequency	10~40KHz
Pulse length	0.05~1ms
Output Power	>3kW
Original frequency horns	~3.8deg
Zoom in.	4~5deg
Original audio source level (200KHz)	>236dB/uPa@1m
Discrepancies source level (20KHz)	>194dB/uPa@1m
Dynamic Scope	>110dB
Distance Resolution	<0.04m
Permeability	＜25m
Effect distance	＜100m

[Physical Specifications]

Communication of power supply	We'll provide the adapter 220 V to 24 V for equipment work.
Communications interface	RS485 to USB.
Materials	titanium alloy/stainless steel
Wet weight	8kg (air), 4kg (water)
Wet end dimensions	400*150 mm (long* diameter)
Operating Temperature	0°C～40°C
Frame Rate	Max 10 times/s

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