Hi-Target

iBeam 8140S

Portable Multibeam Echo Sounder

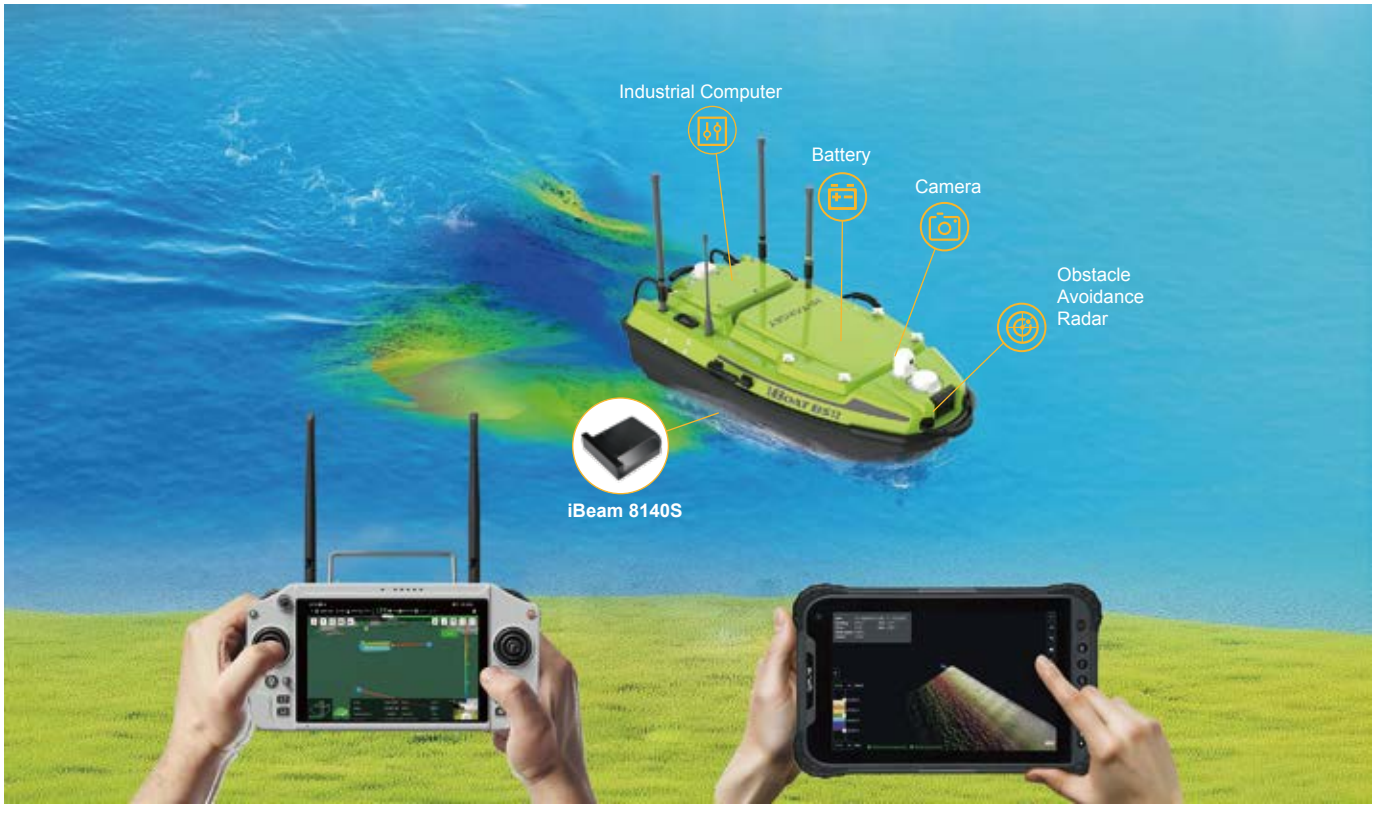


iBeam 8140S

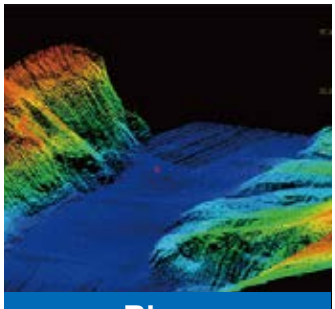
The iBeam 8140S is Hi-Target's latest portable multibeam product featuring an innovative data acquisition method. It delivers enhanced quality accuracy and intelligent operation, supports compact USV mounting, offers a more integrated multibeam sonar system, and enables efficient post-processing.

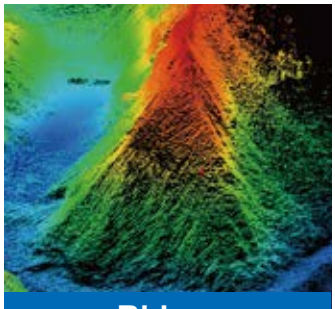
It precisely and comprehensively captures dynamic underwater microtopography, delivering high-definition seabed imagery for underwater visualization. Customized solutions provide high-precision bathymetric data alongside point cloud and imagery outputs in various formats.

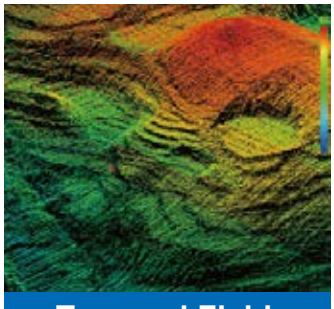
Optimal Solution——iBeam 8140S & iBoat BS12 Gen2

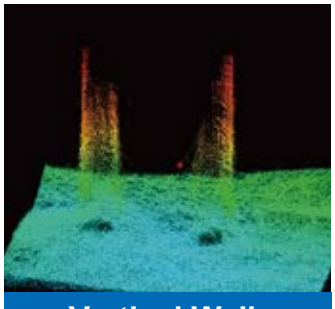


Applications


Rivers


Ridges

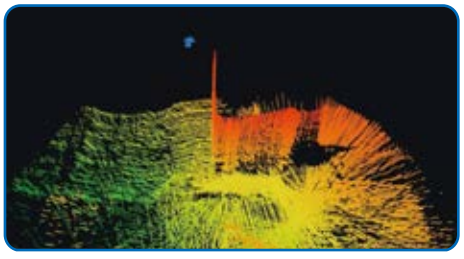

Terraced Fields


Vertical Walls

Advantages

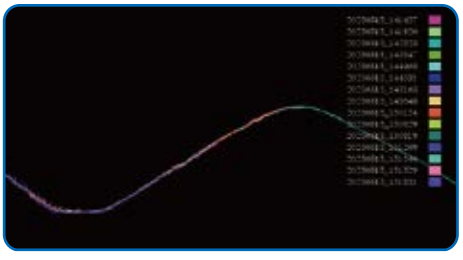
1 *Live 3D Point Cloud & Side Scan Imaging*

Real-time XYZ point cloud and side scan images on multiple terminals —view and monitor while surveying.



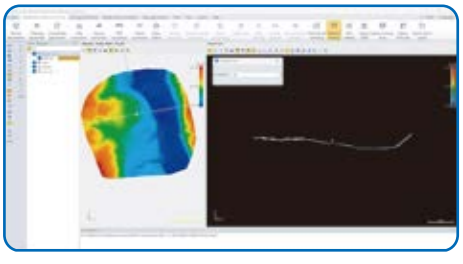
2 *SVP-Free Sound Velocity Correction*

Powered by SPIN(Sound Speed Profile Inversion), the system ensures precise sound velocity correction without extra SVP devices.



3 *Professional Post-processing Software*

Hi-Target's proprietary multibeam post-processing software, Hi-Max Multibeam Processing Software, encompasses data processing, production applications, and data output.



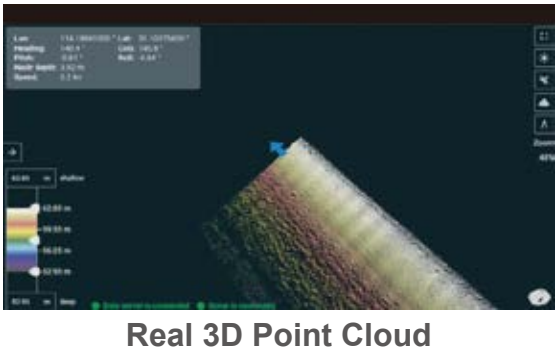
Function



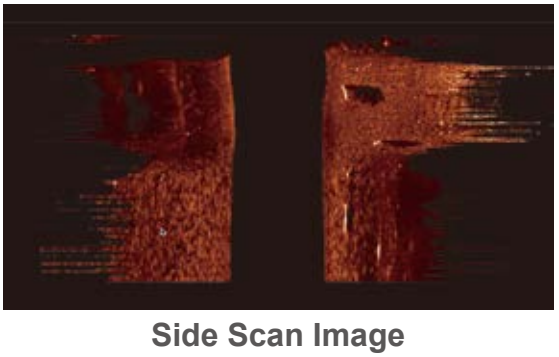
Andorid Collection



Multibeam Wave Display



Real 3D Point Cloud



Side Scan Image

Specification

Frequency	400 Khz
Beam Width	1.4° * 1.7°
Number of Beams	512
Swath Coverage	30°-150°
Depth Range	0.2-200 m
Vertical Resolution	1 cm
Max Ping Rate	60 HZ
Weight (in air)	1.7kg
Dimension	169*166*50mm
Operating/Storage Temperature	-4°C~40°C/-20°C~60°C
Satellite System	GPS, BDS, GLONASS, Galileo, QZSS, SBAS, L-Band
Positioning Accuracy	H: ±8mm+1ppm, V: ±20mm+1ppm
Heading Accuracy	0.08° (2m baseline)
Roll & Pitch Accuracy	0.03°
Heave Accuracy	5cm / 5% range
SPIN Function	Available
Roll stabilization	Available
Side Scan image	Available

AUTHORIZED DISTRIBUTION PARTNER

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