



Unmanned Survey Vessel

GENERAL

Custom-developed Unmanned Survey Vessel (USV) designed for shallow-water survey or areas which are inaccessible for traditional survey boats. Equipped with Multi-beam Echo Sounder (MBES) and LiDAR.

The combination of MBES and LiDAR makes it possible to perform precise measurements of the terrain above and below the water surface giving a 3D georeferenced model of the surveyed area.

The system for positioning (PosMV) in combination with post-processing software makes the vessel less sensitive to poor GPS-coverage in problematic areas such as rivers with surrounding foliage.

DIMENSIONS

Hull:	UV resistant HPDE
Builder:	Seafloor Systems
Model:	EchoBoat
Length:	1,68 m
Width:	0,79 m
Draught:	0,40 m
Weight:	90 kg

PROPULSION

Machinery:	2 x thrusters, 15VDC
Batteries:	2 x sets, 162Ah

PERFORMANCE

Transport speed:	4 KTS
Survey speed:	2-3 KTS
Battery endurance:	6h per set

NAVIGATION EQUIPMENT

Blue Robotics Navigator
VHF

SURVEY EQUIPMENT

Multi-beam Echo Sounder:
LiDAR:
Positioning/MRU/Gyro:
SV probe:
SV online:
Survey software:

NORBIT iWBMS
Velodyne Puck 360°
APPLANIX POS MV WM II
Valeport SWIFT Remote cast
NORBIT
Teledyne PDS MBES

ADDITIONAL EQUIPMENT

Please contact with inquiry.



**Details believed to be correct but not guaranteed and can be subject to change.*

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