

Datasheet

BlueBoat USV



BlueBoat USV – Light, smart and precise

The BlueBoat is a compact unmanned surface vehicle (≤ 15 kg) for hydrographic and environmental surveys. With an RTK-precise GNSS compass and a 200 kHz singlebeam echosounder it delivers high-resolution depth data at speeds up to 6 knots.

Designed for easy deployment, it runs autonomously or by remote control and integrates seamlessly with BeamworX and Viking Survey. Optional water quality sensors make it the ideal tool for environmental monitoring.

General specifications

Name	BlueBoat
Type	Autonomous / remotely operated USV
Dimensions	120 × 93 × 46 cm (deployed)
Payload	Max. 15 kg
Speed	Up to 6 knots
GNSS	Septentrio RTK compass, 100 Hz

Hydrographic sensors

Echosounder	Airmar EchoRange Smart 200 kHz
Beam angle	9°
Min. depth	0.4 m
Max. depth	200 m

Optional environmental sensors

Options	Blue-green algae (cyanobacteria), pH, turbidity and more
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Applications

- Hydrographic surveys
- Environmental monitoring
- Research and development
- Dredging and depth inspections
- Port and waterway surveys