

OCEAN α

SL20

AUTONOMOUS SURVEY BOAT

SL20 USV is designed for improving efficiency in hydrographic velocity / flow measurement and underwater mapping.



HIGHLIGHT

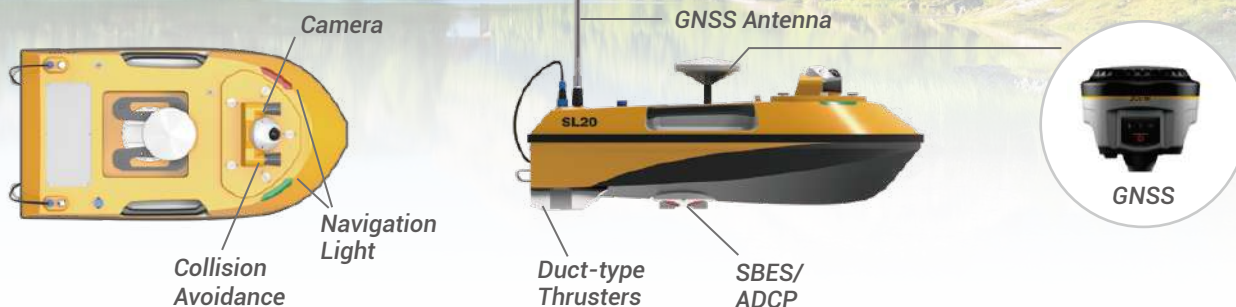


✔ Intelligent obstacle avoidance

✔ Real time HD video transmission

✔ Modular design for quick device replacement

✔ Max Speed of 4m/s



SPECIFICATION

Dimension	1.05m (L) × 0.55m (W) × 0.38m (H)
Hull Material	Carbon fiber composite
Empty Weight	15 kg
Payload	10 kg
Survey Speed	3 knots (1.5 m/s)
Max Speed	8 knots (4 m/s)
Draught	15 cm
Battery Endurance	6hrs @ 1.5m/s
Communication Range	Remote Controller: 1 km Base Station: 2 km
Resilience	Wind: Up to Force 3; Wave: Up to 0.5m
Propulsion	Duct-type Thruster

Sensor Options

SBES:

South SDE-18S, HaiYing Marine HY-1610/ 1611A, EchoLogger ECT400/ECT D032;

ADCP:

Xylem SonTek S5/ M9, Linkquest FlowQuest 2000/ 600, Nortek Signature 500/ 1000, Teledyne RDI R5/ RiverRay/ RiverPro, HaiYing Marine HY-RIV300/ 600/ 1200/ F5

Side Scan Sonar: Icocean S900P

Water Monitoring Probe: Aquaread AP-2000

GNSS Compass:

Hemisphere Vector V200S/ South Galaxy G1/ Trimble R8/ Emild RS2

CONTROL SYSTEM



01 Remote Controller

- Manual control
- Working status display
- IP Rating: IP64
- Misoperation Prevention

02 Wireless Base Station

- WIFI for device connection
- Pre-installed base station control software
- Switchable control mode:
Remote controller / Base Station
- In-built data transmission radio and GPS



OceanAlpha Group Ltd.

RM 702,7/F SPA Centre, NO.53-55 Lockhart Road, Wan Chai, Hong Kong, China

W: www.oceanalpha.com T: 0086 756 2592836 E: sales@oceanalpha.com

