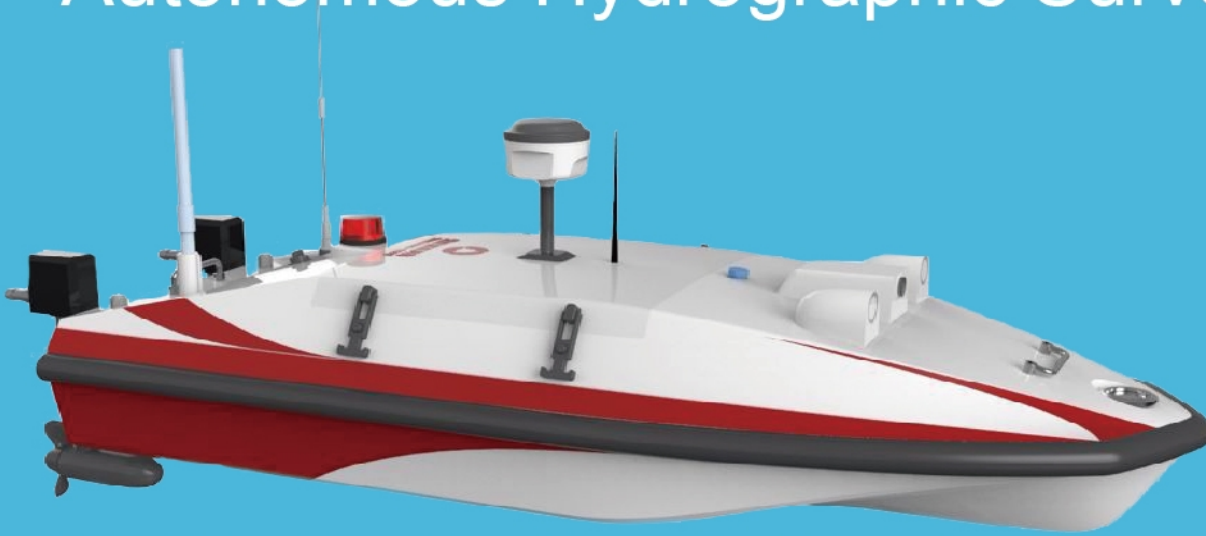


Autonomous Hydrographic Survey Boat

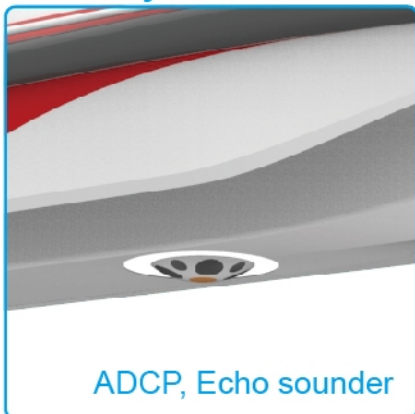
CL40Y



Product Description

Application : Bathymetry Hydrology

Survey device



ADCP, Echo sounder

- Compatible with most of ADCP brands
- Customized deployment of echo sounder
- Design for transducer diameter 5-20cm

Propulsion System






- Plug and play outboard motor, convenient maintenance
- Integrated design of servo and propeller
- Maximum speed 4m/s

Hull design



- Trimaran Hull design ensure stable cruising
- Water-tight bulkhead
- Robust and high strength hull material

Technical Parameters

Dimension			
	372 mm	1637 mm	711 mm
Weight	20Kg		
Material	High strength fiberglass with carbon fiber and Kevlar ballistic fabric		
Communication	RF point to point bidirectional communication		
Communication Range	Remote Control	2Km	
	Autonomous navigation	10Km	
Maximum Speed	4m/s		
Endurance	4 hours (2m/s)		
Payload	15Kg		

Instrument Options

Please contact Yunzhou-tech for more information in customized deployment

• RTK GNSS

220 channels, by advanced Pacific Crest Maxwell 6 Custom Survey GNSS technology

Horizontal	8mm+1ppm RMS
Vertical	15mm+1ppm RMS
Code Differential	GNSS positioning
Horizontal	25cm+1ppm RMS
Vertical	50cm+1ppm RMS
Weight	1.2Kg
Battery	6-10hours



• Echo sounder

Frequency	200KHz
Survey depth	0.4-100m
Resolution	0.01m
Accuracy	±1cm±0.1%Depth
Weight	2Kg



About Yunzhou-tech

Zhuhai Yunzhou Intelligence Technology is a leading supplier of USV(Unmanned Surface Vehicle) with own technology patent. Yunzhou-tech focus on unmanned intelligent technology and offer solutions for water quality sampling and monitoring, hydrographic survey and oceanographic research.