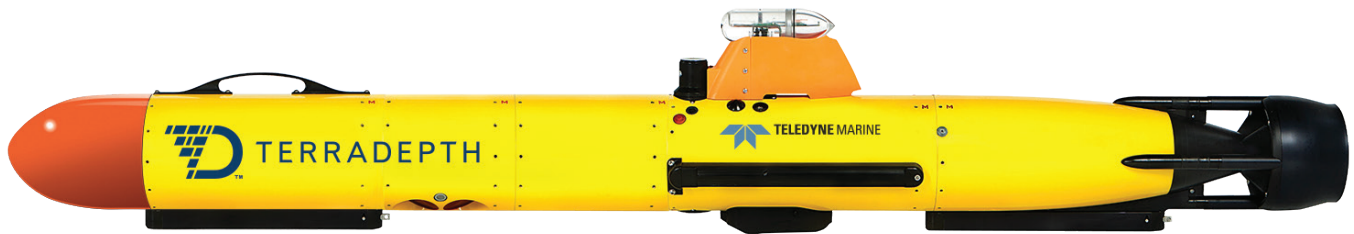


Survey Services to Enable Better and Faster Maritime Decisions

Terradepth's fleet of Teledyne Gavia AUV's are self-contained, low logistics, modular survey platforms capable of delivering high quality data while operating from vessels of opportunity or from the shore.

We provide cost effective data when compared to traditional means using surface vessel based systems. Our AUV's modularity makes it easily reconfigurable, even between dives. The Gavia platform's ease of use and versatility sets it apart from other systems on the market allowing us to support global operations.



Ocean Surveyor AUV Technical Data

AUV SPECS	Teledyne Gavia Body	SIDE SCAN SONAR	EdgeTech 2205B
Operational Depth: 3.5–3280 ft / 1–1000 m		Low Frequency: SSS & Interferometric Bathy 540 kHz Chirp	
Length: 7.9–11.5 ft / 2.4–3.5 m		High Frequency: SSS 1600 kHz Chirp	
Weight in Air: 140–200 Lb / 62–90 Kg			
BATTERY	Lithium Ion Polymer Battery	SUB-BOTTOM PROFILER	Teledyne Benthos SBP 14kHz–21kHz
Endurance: 4–6 Hours per Battery (Up to 3)		MAGNETOMETER	3-Axis 0.5 n T Magnetometer
Distance per Battery: 15–18 Nautical Miles (Up to 3x)		OFG Self Compensating Magnetometer	
		Corrected Magnetic Intensity for 3 Components & Total Field	
OPTIMAL SURVEY SPEED	3 Knots	NAVIGATION	
Max Speed: 5.5 Knots		Motion / INS IxBlue Phins C5 (Non ITAR Regulated)	
Distance per Battery: 15–18 Nautical Miles (Up to 3x)		DVL / ADCP Teledyne RDI Pathfinder Phased Array DVL	
MULTIBEAM	Reson T20	ACOUSTIC POSITIONING SYSTEM	Sonardyne AvTrack 6
Swath Angle: 140° Equi Distance or 170° Equi Angle		ACOUSTIC DATA LINK	Benthos ATM 900
Number of Beams: 1024 Beams @ 200 kHz or 400 kHz		PRESSURE SENSOR	Valeport Mini IPS
Max Ping: Rate 50 Hz			
STILL CAMERA	Sony ICX285 CCD		
Resolution: 1384 × 1036 Pixels @ 3.5 FPS			
CTD	Valeport MiniSVS T		

HAVE QUESTIONS OR WANT MORE INFO? PLEASE VISIT TERRADEPTH.COM
OR EMAIL CONTACT@TERRADEPTH.COM • 844.982.3282

