

Remotely Operated Surface Vehicles



Specifications	Z-Boat 1800-RP Multibeam Echo Sounder	Z-Boat 1800-RP Single Beam Echo Sounder	Z-Boat 1800-RP Side Scan Sonars	Z-Boat 1250
PHYSICAL				
Hull Length and Width	180 x 100cm (5.9 x 3.3ft)	180 x 100cm (5.9 x 3.3ft)	180 x 100cm (5.9 x 3.3ft)	127 x 94cm (4.2 x 3.1ft)
Draft	0.28m	0.28m	0.28m	N/A
Weight of Base Boat/Payload	38kg/30kg (66lbs)	38kg/30kg (66lbs)	38kg/30kg (66lbs)	4.5kg (10lbs) with Payload
Hull Material	UV-Resistant ABS	UV-Resistant ABS	UV-Resistant ABS	UV-Resistant ABS
Motor	Dual Brushless 24V DC Outdrives	Dual Brushless 24V DC Outdrives	Dual Brushless 24V DC Outdrives	2X Brushless DC Thrusters
REMOTE				
Navigation Remote	Hitec with Vessel Telemetry	Hitec with Vessel Telemetry	Hitec with Vessel Telemetry	Hitec
Navigation Remote Frequency	2.4GHz FHSS	2.4GHz FHSS	2.4GHz FHSS	2.4 GHz FHSS
Navigation Remote Range	1200m	1200m	1200m	750m
Data Telemetry Range	Up to 2km (5GHz MIMO)	Up to 2km (5GHz MIMO)	Up to 2km (5GHz MIMO)	
	Worldwide (4GLTE)			
PERFORMANCE				
Typical Survey Speed	8 knots	8 knots	8 knots	1 -1.5 m/s (3.3 - 5.0 fps)
Battery Endurance	Up to 4.5 hours	Up to 4.5 hours	Up to 4.5 hours	1.0 m/s: ~4 hours 1.5 m/s: TBD
Battery Pack	4x 24v 30Ah	3x 24v 30Ah	3x 24v 30Ah	3x 24v 4.5Ah NiMH Battery Pack
AVAILABLE INSTRUMENTATION				
<p>All Z-Boat Survey Vehicles are available with optional HD video cameras and can accommodate most industry standard ADCPs</p> <p>All Z-Boats and Q-Boats are compatible with other sensors on the market and custom sensor integration is available on most models.</p>	Multibeam Echo Sounder Options:	Single Beam Echo Sounder Options:	Side Scan Sonar Options:	Airmar EchoRange™ Single Beam Echosounder
	Teledyne Odom Hydrographic MB1 and MB2 Multibeam Echo Sounders	Teledyne Odom CV100/CV100 DF, Smart Echosounder	Tritech 452F Side Scan Sonar (up to 100m) Tritech 990F Side Scan Sonar (up to 35m)	
	R2 Sonic 2020 MBES	Other Options:	Other Options:	Other Options:
	Other Options:	Tritech StarFish Side Scan Sonars (900F or 452F)	Camera - Sealed HD PoE Video Camera	Teledyne RD Instruments SteamPro ADCP
	Tritech StarFish Side Scan Sonars (900F or 452F)	Teledyne RD Instruments ADCPs		Teledyne RD Instruments RiverRay/RiverPro ADCP
	Teledyne RD Instruments ADCPs	Camera - Sealed HD PoE Video Camera		
Teledyne Odom CV100/CV100 DF, Smart Echosounder				
Lidar				