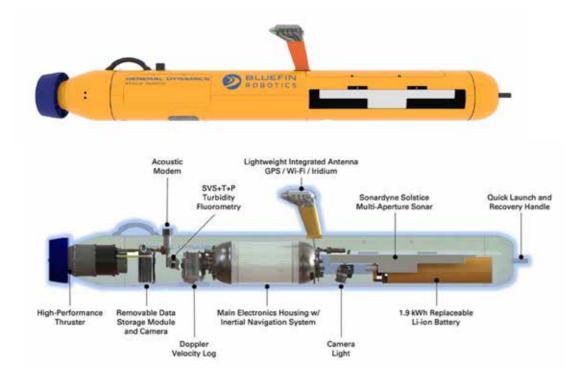
GENERAL DYNAMICS

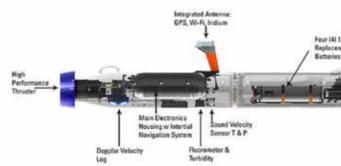
BLUEFIN-9



	(23.8 cm)	≤ 0.3% D.T. CEP 50	
Н 10.375	" (26.4 cm)	GPS (1.0 m CEP 50	
L 95.2" (2	241.8 cm)	Dedicated Inertial Navigation System	
Weight		Doppler Velocity Log	
155 lb.	(70 kg)	Solstice 3000 Multi-aperture	
Buoyancy fresh and salt water		sonar	
Lift Points	Nose and Aft	Removable Data Storage Module	
	carrying handles	(RDSM) w/ Camera	
	for two- man lift	Turbidity and Fluorometer	
Depth Rating	656' (200 m)	Sound Velocity Sensor +	
Energy	1.9 kWh	Temperature + Pressure	
	rechargeable	Antenna	
	Li-Ion battery	Integrated GPS, Wi-Fi, and	
Recharges	six hours	Iridium w/ visible strobe	
Endurance	8hr @ 3kt	Communications	
Speed	6 knots	Ethernet, Wi-Fi, Iridium,	
		Acoustic Safety Systems	
Propulsion	Gimbaled, ducted	Ground Fault Detection, Leak	
	thruster	Detection	
Navigation	Real-time accuracy		

BLUEFIN-12





Diameter Length Weight with integrated su	12.8" (32 cm) 15.8' (4.83m) 550 lb (250 kg)- urvey package	Payloads	Dedic Navig Dopp Sonar
Buoyancy	Buoyant in Fresh and Salt Water	,	Multi Modu
Lift Points Nose	Mid-section, Aft Lift-Points		Came Turbio
Depth Rating	656' (200 m)		Fluor
Battery	Four (4) 1.9 kWh r rechargeable Li-lon		Sound
Endurance	24 hr @ 3 kt 36 hr @ 2 kt 4 hr Transit; 20 hr	Antenna	Integr Wi-Fi, w/ vis
Survey		Communications	Ether
Speed	Up to 6 knots		Iridiu
Propulsion	Gimbaled, ducted thruster for propulsion and control	Safety Systems	Grour Detec Detec Indep
Navigation	Real-time accuracy ≤ 0.1% D.T. CEP 50 GPS (1.0 m CEP)		Powe Opera

icated Inertial igation System pler Velocity Log ardyne Solstice ti-aperture sonar dule (RDSM) w/ nera bidity and prometer Sensor nd Velocity

grated GPS, Fi, and Iridium risible strobe ernet, Wi-Fi, um, Acoustic und Fault ection, Leak ection, ependently ered Emergency rations System



BLUEFIN-21

Diameter Length Weight (Dry) Buoyancy ~ positive	21 in (53 cm) 16.2 ft (493 cm) 1,650 lb (750 kg) 16 lb (7.3 kg) net	Propulsion
Lift Points	1 (located mid- vehicle)	Navigation
Depth Rating Endurance	14,763 ft (4,500m) 25 hours @ 3 kts with standard payload	
Speed	Up to 4.5 knots	
Energy Nine	13.5 kWh 1.5 kWh battery	Antenna
NITC .	packs Lithium-polymer,	Antenna

pressure-tolerant Gimbaled, ducted thruster for propulsion and control	Communications	RF, Iridium and acoustic; Ethernet via shore power cable
Real-time accuracy ≤ 0.1% of D.T. CEP 50 INS, DVL, SVS and GPS USBL tracking with vehicle	Safety Systems	Fault and leak detection, dropweight, acoustic tracking transponder, strobe, RDF and Iridium
position updates Integrated — GPS, RF, Iridium and strobe	Standard Payload 120/410 kHz side	s EdgeTech 2200-M scan sonar (option: EdgeTech 230/850 kHz