

C3D SBP Vehicle

SYSTEM SPECIFICATIONS

SYSTEM

Sonar Frequency:	200 kHz
Maximum Operating Depth:	2000 meters (6560 ft)
Side Scan Range:	25 to 300 meters (82 - 982 ft) per side (200 kHz)
Bathymetric Range:	6-10 times altitude
Resolution (across track)	
Side Scan Sonar:	4.5 cm (1.8 in)
Bathymetry:	5.5 cm (2.2 cm)
Beam Width	1 degree (one-way)
Pulse Length:	25 μ sec to 1 msec (depending on range)
Repetition Rate:	Up to 30 pings/sec in accordance with range selection
Depression Angle:	40 degrees (default)
Transmit Source Level:	Maximum 224dB re 1 μ Pa@1M
Vertical Resolution (Bathymetry):	5cm (2.0 in)
Standard Sensors:	Depth / CTD (FSI NXIC) Heading / Pitch / Roll (Sonardyne Radian)
Optional Sensors: (sold separately)	Altimeter (optional) Magnetometer (optional) Motion Reference Unit (optional)

TOW VEHICLE

Construction:	316 Stainless steel frame with two-part polyethylene shell
Length:	209.0 cm (82.3 in)
Width:	108.7 cm (42.8 in)
Height:	71.9 cm (28.3 in)
Weight (in air):	158 kg (350 lbs)
Weight (in water):	45.3 kg (100 lbs)



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