

# C3D Tow Vehicle

## SYSTEM SPECIFICATIONS

### SYSTEM

Sonar Frequency:	200 kHz
Maximum Operating Depth:	2000 meters
Side Scan Range:	25 to 300 meters 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 $\mu$ sec to 1 msec (depending on range)
Repetition Rate:	Up to 30 pings/sec
Depression Angle:	40 degrees (default)
Transmit Source Level:	Maximum 224dB re: 1uPa@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:	Stainless steel, polyethelene
Length:	208.7 cm (82 in)
Front Cross Section:	38.4 cm x 53.3 cm (15 1/8 in x 21 in)
Weight (in air):	158 kg (350 lbs)
Weight (in water):	45.3 kg (100 lbs)



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