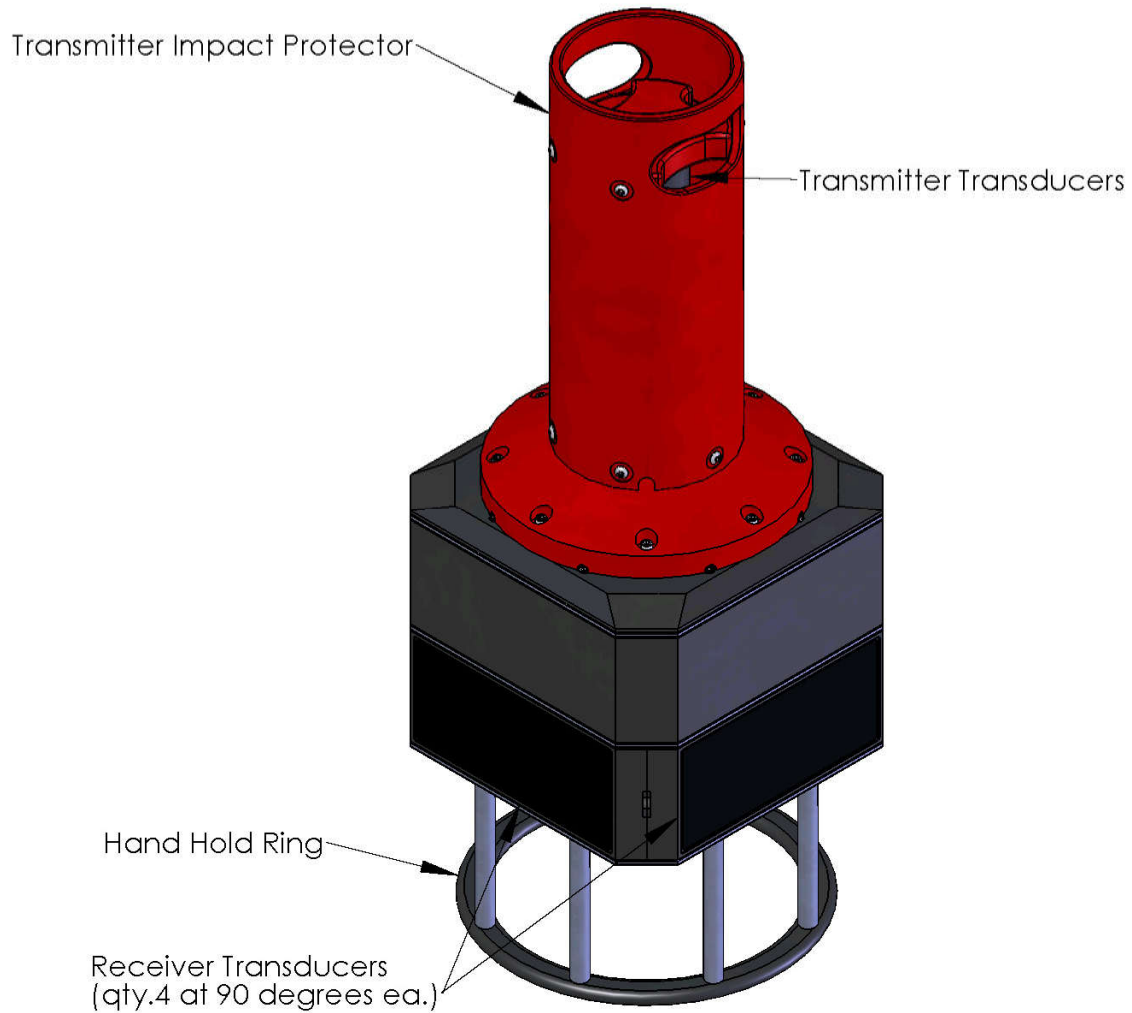


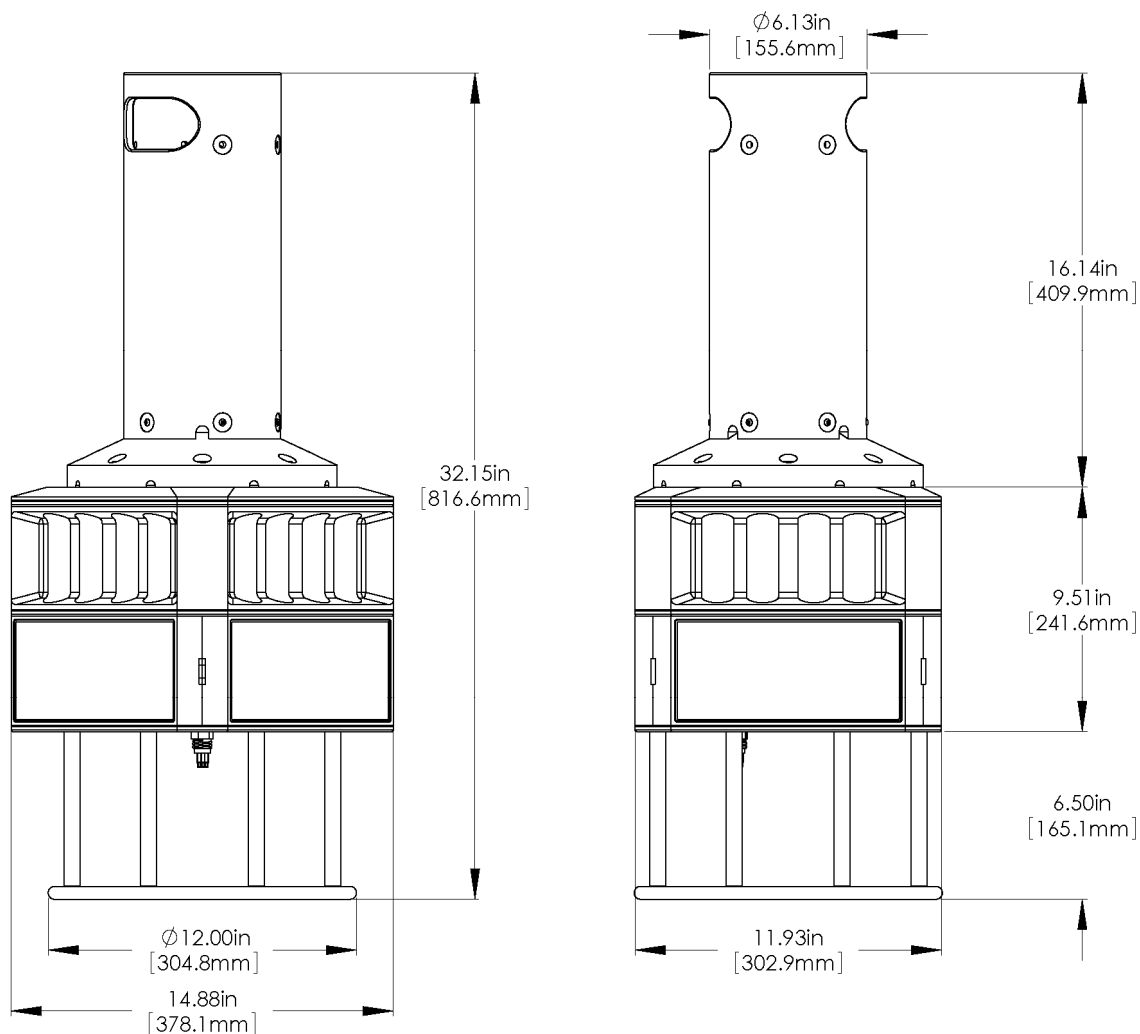
**IMAGENEX MODEL 837C Long Range
DIVER DETECTION SONAR**



HARDWARE SPECIFICATIONS:	
FREQUENCY	60 kHz
SOURCE LEVEL	207 dB
TRANSDUCER BEAM WIDTH (nominal)	Receive: 360° x 17° Transmit: 360° x 6°, 8°, 12°, or 24°
EFFECTIVE BEAM WIDTH	0.75°
DATA POINTS	500 or 1000 cells
RANGE RESOLUTION	1/500 or 1/1000 of range
MIN. DETECTABLE RANGE	10 m
MAX. OPERATING DEPTH	50 m
SYNCHRONIZATION	External Trigger Pulse
INTERFACE TO PC	10/100 Mbps Ethernet (100 BASE-Tx) using TCP/IP
MAX. CABLE LENGTH	Standard: 100 m on CAT5e
CONNECTOR	End mounted, 8 conductor, wet mateable (Subconn MCBH-8M-SS)
POWER SUPPLY	48 V Nominal, (36 – 60 VDC) at less than 35 Watts
DIMENSIONS	See drawing
WEIGHT: In Air	50 kg
In Water	25 kg
MATERIALS	PVC, Polyurethane, Epoxy, Stainless Steel connector

SOFTWARE SPECIFICATIONS:	DDS360.exe
WINDOWS™ OPERATING SYSTEM	Windows™ XP, Vista, 7, 8, 10
DISPLAY MODES	Polar, Beam Test
PERSISTENCE (TRAIL)	1 – 600 seconds
RANGE SCALES	10 m, 20 m, 30 m, 40 m, 50 m, 60 m, 80 m, 100 m, 150 m, 200 m, 250 m, 300 m, 400 m, 500 m
PULSE WIDTH	Automatic with manual multiplier
MANUAL GAIN CONTROL	0 to 20 dB
BUILT IN TEST	On/Off indication of individual receive staves (16 x 4)
FILE FORMAT: RAW DATA BEAM (floating point)	(filename).96B (filename).83Q
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:	2 GHz Pentium 4 256 MB RAM 20 GB Hard Disk 1024 x 768 screen resolution

OPTIONAL SPECIFICATIONS:	
ORIENTATION MODULE (accuracies):	
PITCH & ROLL	± 0.1° typical
HEADING	± 1.0° typical
DEPTH	± 0.5% of FS typical
TEMPERATURE	± 0.5°C typical
GYRO COMPASS	Fizoptika VG910Q



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