IMAGENEX MODEL DT360Xi
2.25 MHz MULTIBEAM PROFILING SONAR



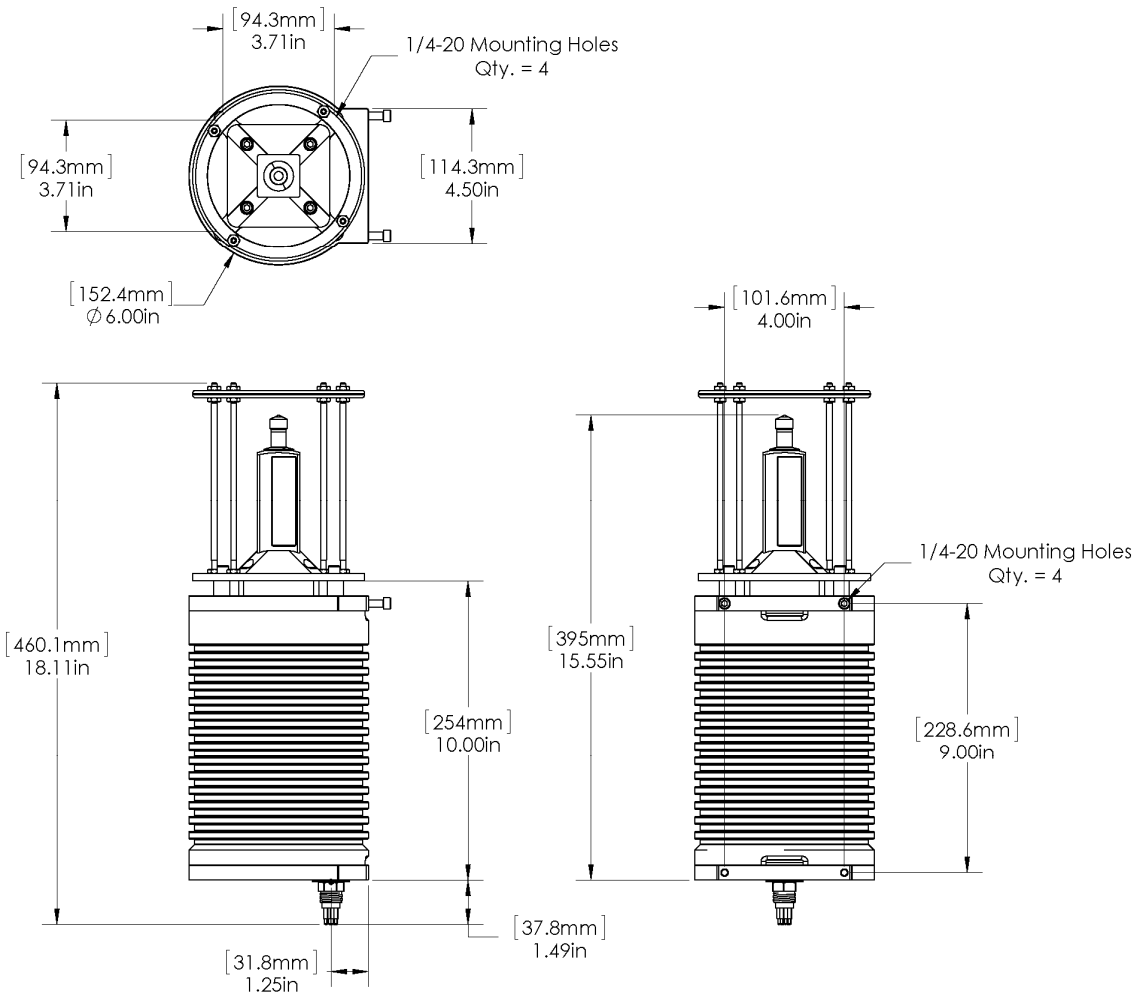
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HARDWARE SPECIFICATIONS:	
FREQUENCY	2.25 MHz
TRANSDUCER BEAM WIDTH (nominal)	Horizontal: 360° Vertical: 0.7°
EFFECTIVE BEAM WIDTHS	Narrow: 0.75° Medium: 1.5° Wide: 3°
NUMBER OF BEAMS*	360, 720, 1440
DATA POINTS	500 or 1000
RANGE RESOLUTION	1/500 or 1/1000 of range
MIN. DETECTABLE RANGE	0.25 m
MAX. OPERATING DEPTH	1000 m
FRAME RATE	Up to 20 fps
INTERFACE TO PC	Ethernet (100 Mbps) using TCP/IP
MAX. CABLE LENGTH	100 m on CAT5e (Longer cable runs possible with additional hardware)
CONNECTOR	End mounted, 8 conductor, wet mateable (Subconn MCBH8M-SS)
POWER SUPPLY	24 V Nominal, (22 – 32 VDC) at less than 25 Watts
DIMENSIONS	See drawing
WEIGHT: In Air **In Water**	~12 lbs (~5.4 kg) TBA
MATERIALS	6061-T6 Aluminum, PVC, Epoxy, Stainless Steel connector
FINISH	Hard Anodize

*Data is acquired at full resolution every shot: processing the data for screen display on a PC can slow the system at highest number of beams. 360 beam mode is recommended for real time data acquisition. The data can then be played back at highest resolution (1440 beam).

SOFTWARE SPECIFICATIONS:	DT360Xi.exe
WINDOWS™ OPERATING SYSTEM	Windows™ XP, Vista, 7, 8, 10
DISPLAY MODES	Polar, Beam Test
RANGE SCALES	0.5 m, 1 m, 2 m, 3 m, 4 m, 5 m, 6 m, 8 m, 10 m
PULSE WIDTH	Automatic with manual multiplier
MANUAL GAIN CONTROL	0 to 20 dB
FILE FORMAT: **RAW DATA** **BEAM** **POINT**	 (filename).IGX (filename).B96 (filename).P96
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:	2 GHz Pentium 4 256 MB RAM 20 GB Hard Disk 1024 x 768 screen resolution



ORDERING INFORMATION:		
1000 m UNIT	Standard	965-000-301
2.25 MHz	Option (included)	-003
Xi	Option (included)	-055

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