



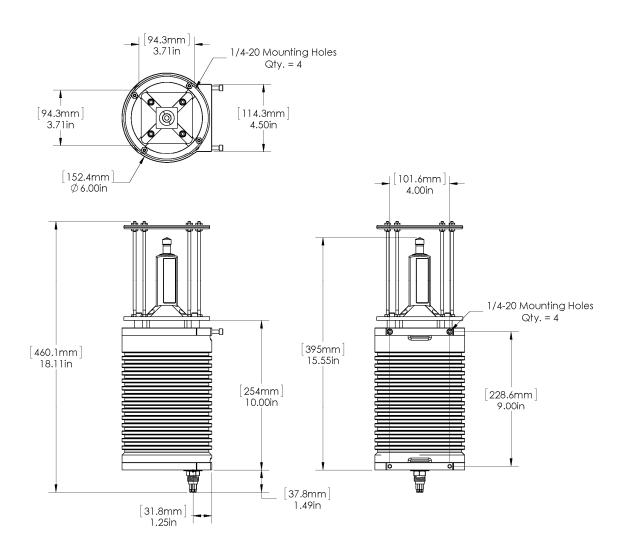
IMAGENEX MODEL DT360xi 2.25 MHz MULTIBEAM PROFILING SONAR



| HARDWARE | | |
|-----------------------|---------------------------------------------------------|--|
| SPECIFICATIONS: | | |
| FREQUENCY | 2.25 MHz | |
| TRANSDUCER BEAM WIDTH | Horizontal: 360° | |
| (nominal) | 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 | ~12 lbs (~5.4 kg) | |
| | | |
| In Water | 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 | DT360Xi.exe | |
|---------------------------|------------------------------------------------|--|
| SPECIFICATIONS: | | |
| 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 | (filename).IGX | |
| BEAM | (filename).B96 | |
| POINT | (filename).P96 | |
| RECOMMENDED | 2 GHz Pentium 4 | |
| MINIMUM COMPUTER | 256 MB RAM | |
| REQUIREMENTS: | 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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