



**DT360**

445-095 MAY 2015-REVISED MAY 2017

# IMAGENEX MODEL DT360 MULTIBEAM PROFILING SONAR



[www.imagenex.com](http://www.imagenex.com)

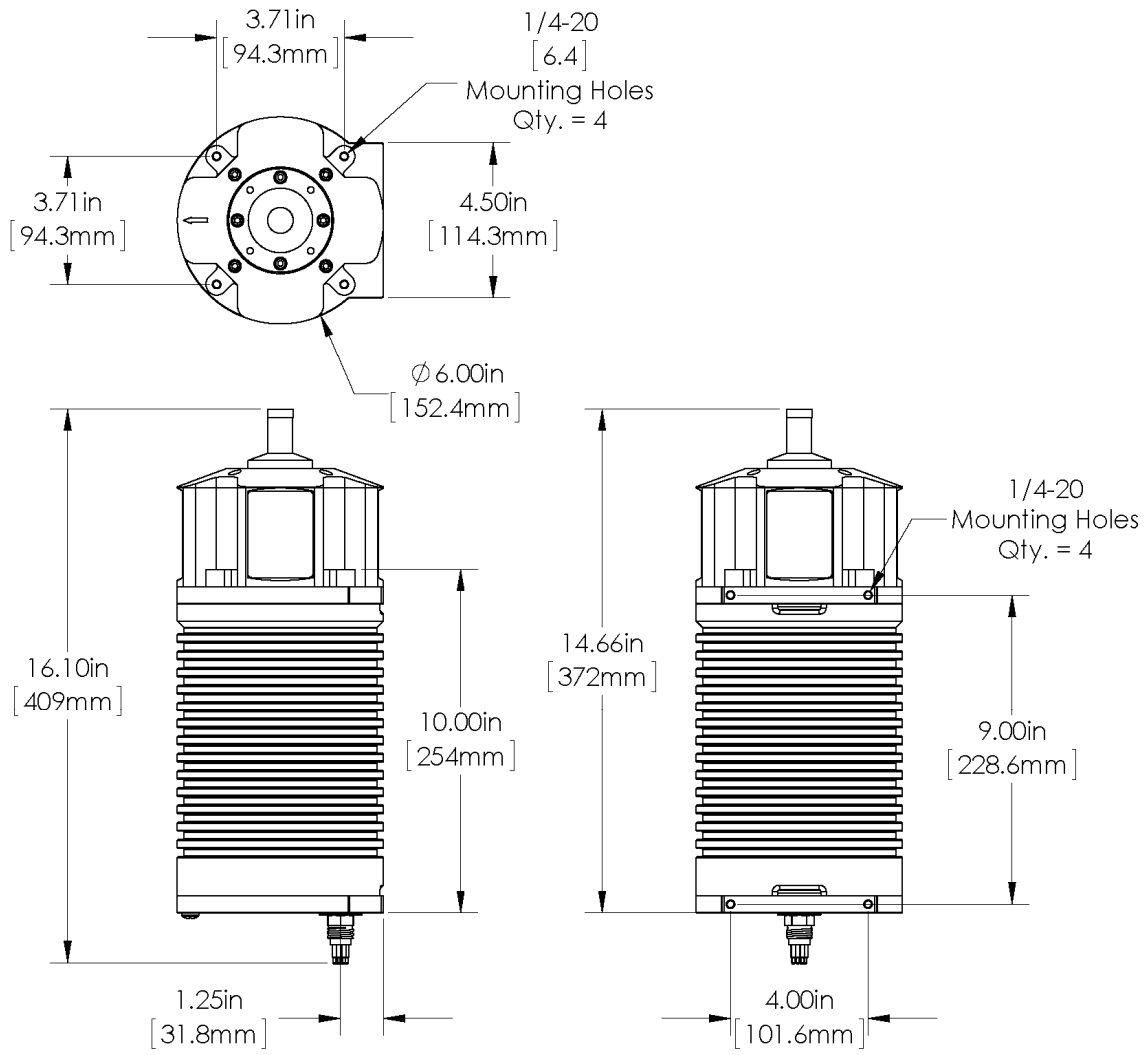
Copyright © 2015 - 2023  
Imagenex Technology Corp.

<b>HARDWARE SPECIFICATIONS:</b>	
<b>FREQUENCY</b>	675 kHz
<b>TRANSDUCER BEAM WIDTH (nominal)</b>	Horizontal: 360° Vertical: 3°
<b>EFFECTIVE BEAM WIDTHS</b>	Narrow: 0.75° Medium: 1.5° Wide: 3°
<b>NUMBER OF BEAMS</b>	360, 720, 1440
<b>DATA POINTS</b>	500 or 1000
<b>RANGE RESOLUTION</b>	1/500 or 1/1000 of range
<b>MIN. DETECTABLE RANGE</b>	0.5 m
<b>MAX. OPERATING DEPTH</b>	1000 m
<b>FRAME RATE</b>	Up to 10 fps
<b>INTERFACE TO PC</b>	Standard: 10/100 Mbps Ethernet (10 BASE-T or 100 BASE-TX) using TCP/IP Bit rate may vary if an Ethernet extender is in use**.
<b>MAX. CABLE LENGTH</b>	Standard: 100 m on CAT5e Cable length may be increased up to ~9000 m using an Ethernet extender**. Please enquire for more information.
<b>CONNECTOR</b>	End mounted, 8 conductor, wet mateable (Subconn MCBH8M-SS)
<b>POWER SUPPLY</b>	24 V Nominal, (20 – 32 VDC) at less than 20 Watts
<b>DIMENSIONS</b>	See drawing
<b>WEIGHT: In Air</b>	~15 lbs (~7 kg)
<b>In Water</b>	~3 lbs (~1.5 kg)
<b>MATERIALS</b>	6061-T6 Aluminum, PVC, Epoxy, Stainless Steel connector
<b>FINISH</b>	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).

\*\*Only for 10 BASE-T

<b>SOFTWARE SPECIFICATIONS:</b>	<b>DT360.exe</b>
<b>WINDOWS™ OPERATING SYSTEM</b>	Windows™ XP, Vista, 7, 8, 10
<b>DISPLAY MODES</b>	Polar, Beam Test
<b>RANGE SCALES</b>	2.5 m, 5 m, 10 m, 20 m
<b>PULSE WIDTH</b>	Automatic with manual multiplier
<b>MANUAL GAIN CONTROL</b>	0 to 20 dB
<b>FILE FORMAT:</b> RAW DATA BEAM POINT	(filename).R96 (filename).B96 (filename).P96
<b>RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:</b>	2 GHz Pentium 4 256 MB RAM 20 GB Hard Disk 1024 x 768 screen resolution



<b>ORDERING INFORMATION:</b>		
1000 m UNIT	Standard	965-000-301

Product and company names listed are trademarks or trade names of their respective companies.