IMAGENEX MODEL 881L NARROW BEAM DIGITAL IMAGING SONAR

APPLICATIONS:

- ROV, AUV, & UUV
- Offshore Oil & Gas
- Sunken Timber Recovery
- Diving Support
- Surveying
- Search & Recovery
- Inspection
- Underwater Archaeology
- Scientific Research

FEATURES:

- **Ethernet**
- Programmable
- High performance
- Lower cost
- Low power
- Simple set-up and installation
- Digital telemetry
- Full scale range from 1 m to 100 m
- Compact size
- Communication format available to user

Using Ethernet communications, this all-in-one, high performance digital imaging sonar can exceed 100 shots per second on the 1 m range at a 2 mm range resolution, producing near-photographic image quality.

The 881L can operate with customized configurations or revert to default settings to match appropriate operating range scales.

In addition to the benefits of low power, a simple set-up and installation procedure make this powerful sonar an ideal tool for remotely operated platforms ranging from large work ROV's to small inspection vehicles, as well as AUV and UUV applications.

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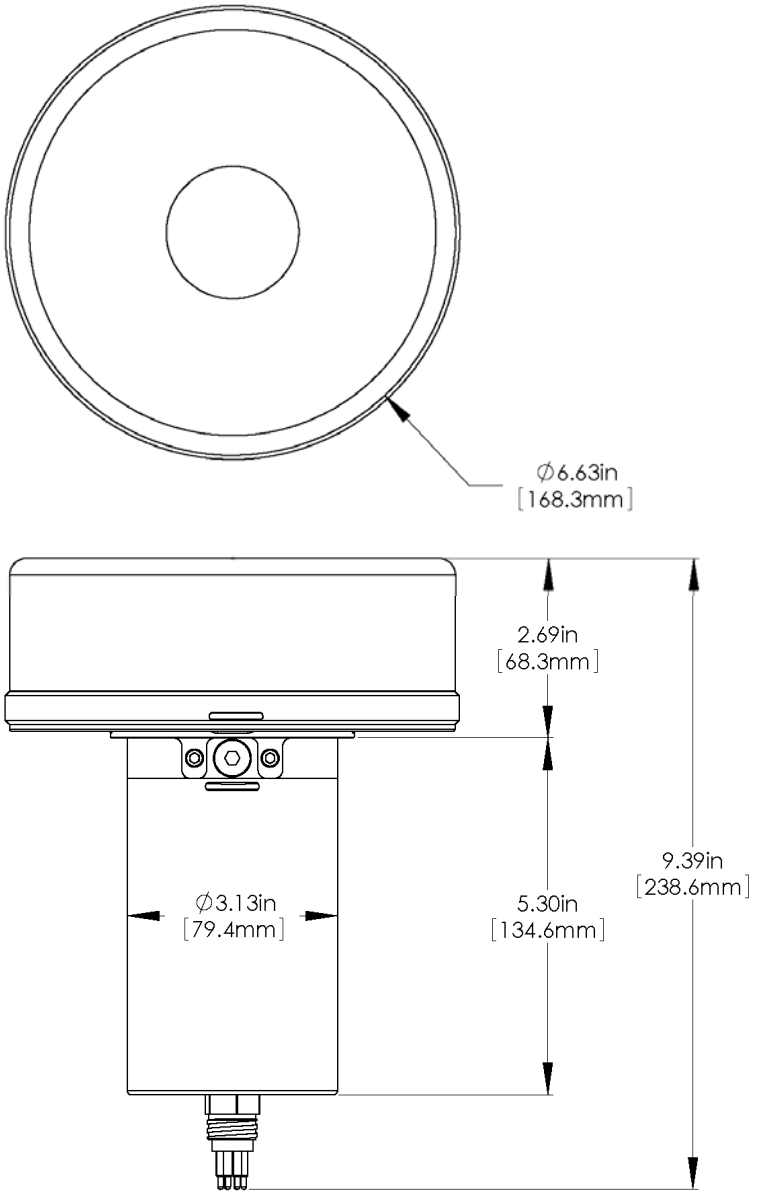
HARDWARE SPECIFICATIONS:	
FREQUENCY	675 kHz
TRANSDUCER	Imaging type, fluid compensated
TRANSDUCER BEAM WIDTH	0.75° x 20°
RANGE RESOLUTION	1 m – 4 m: 2 mm (0.08”) 5 m & up: 10 mm (0.4”)
MIN. DETECTABLE RANGE	150 mm (6”)
MAX. OPERATING DEPTH	1000 m
MAX. CABLE LENGTH	Standard: 100 m on CAT5e Cable length may be increased up to ~9000 m using an Ethernet extender. Please enquire for more information.
INTERFACE	Standard: 10 Mbps Ethernet (10 BASE-T) using TCP/IP Bit rate may vary if an Ethernet extender is in use.
CONNECTOR	End mounted, eight conductor, wet mateable (Subconn MCBH8M-AS)
POWER SUPPLY	20 – 32 VDC at less than 5 Watts
DIMENSIONS	See drawing p. 3
WEIGHT: In Air **In Water**	~ 2.6 kg (6 lbs) ~0.9 kg (1.9 lbs)
MATERIALS	6061-T6 Aluminum & Polyurethane
FINISH	Hard Anodize

SOFTWARE SPECIFICATIONS:	**Win881L.exe, Win881AL.exe**
WINDOWS™ OPERATING SYSTEM	Windows™ XP, Vista, 7, 8, 10
MODES	Sector, Polar and Side Scan
RANGE SCALES	1 m, 2 m, 3 m, 4 m, 5 m, 10 m, 20 m, 30 m, 40 m, 50 m, 60 m, 80 m, 100 m
TRAIN ANGLES	Continuous rotation, 3° increments
SECTOR SIZE: **SECTOR MODE** **POLAR MODE**	 0° – 180°, 3° increments 0° – 357°, 3° increments, or Continuous rotation
STEP SIZES	Slow (0.3°), Medium (0.6°), Fast (0.9°), Faster (1.2°), Fastest (2.4°)
GRID TYPES	Polar and rectangular
FILE FORMAT	(filename).81L
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:	100 MHz Pentium 16 MB RAM 1 GB Hard Disk 800 x 600 x 256 colour graphics



ORDERING INFORMATION:		
1000 m UNIT	Standard	881-000-505
IP Address*	Option	-020

*Note: Standard IP Address is 192.168.0.5
A different IP Address may be specified upon ordering.

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