



IMAGENEX MODEL 881 DIGITAL IMAGING SONAR

APPLICATIONS:

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

FEATURES:

- High performance
- Simple set-up and installation
- Digital telemetry
- Communication format available to user

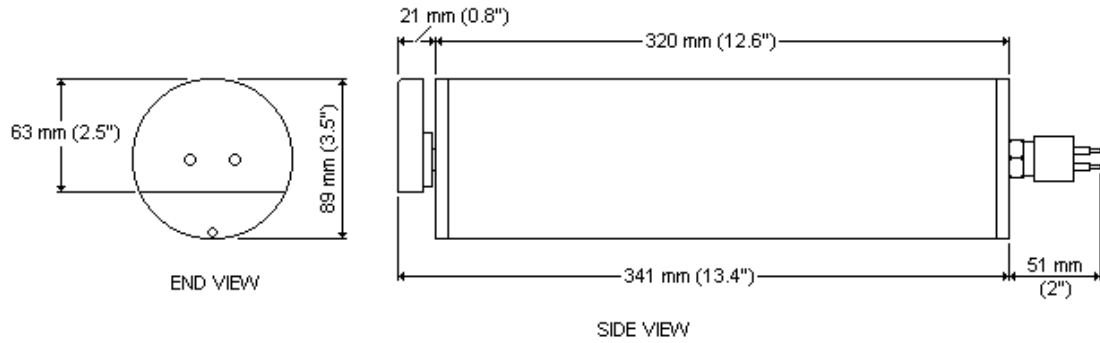


The 881 high performance sector scanner, with a high speed serial output for underwater remote sensing, provides the sharpest image, the most re-definable data and is the most flexible system available.

HARDWARE SPECIFICATIONS:	
FREQUENCY	675 kHz (standard) 330 kHz, or 2.25 MHz (optional)
TRANSDUCER	Imaging type
TRANSDUCER BEAM WIDTH	1.7° x 30°
RANGE RESOLUTION	10 mm (3 mm optional)
MIN. DETECTABLE RANGE	150 mm
MAX. OPERATING DEPTH	1000 m (3300') (standard) 3000 m or 6000 m (optional)
MAX. CABLE LENGTH	1000 m on twisted shielded pair (RS-485)
INTERFACE	RS-485 @ 115.2 kbps, 2 wire or 4 wire available (7 pin connector for 4 wire)
CONNECTOR	End mount connector (Impulse BH-4-MP-SS) or optional low profile end mount connector
POWER SUPPLY	22 - 48 VDC at 1 Amp max.
DIMENSIONS	89 mm (3.5") diameter x 341 mm (13.4") length
WEIGHT: In Air (1000 m unit)	3.2 kg (7 lbs)
In Water	1.5 kg (3.3 lbs)
MATERIALS	6061-T6 Aluminum, 300 series stainless steel, PVC, acetal homopolymer, epoxy
FINISH	Anodized & polyester powder

SOFTWARE SPECIFICATIONS:		Win8812w.exe
WINDOWS™ OPERATING SYSTEM		Windows™ 95, 98, Me, NT*, 2000*, XP*
MODES		Side Scan, Polar, and Sector
RANGE SCALES	Standard:	5 m, 10 m, 20 m, 30 m, 40 m, 50 m, 60 m, 80 m, 100 m, 150 m, 200 m
	High Res:	1.5 m, 3 m, 6 m, 9 m, 12 m, 15 m, 18 m, 24 m, 30 m, 45 m, 60 m
TRAIN ANGLES		± 210°, 3° increments
SECTOR SIZE:		
SECTOR MODE		0° - 180°, 3° increments
POLAR MODE		0° - 360°, 3° increments
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).81b
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:		100 MHz Pentium 16 MB RAM 1 GB Hard Disk 800 x 600 x 256 colour graphics

* Requires Win8812w.exe v3.00 or higher (Free upgrade available for older versions – Contact Imagenex)



ORDERING INFORMATION:		
1000 m UNIT	Standard	881-000-100
3000 m UNIT	Standard	881-000-101
6000 m UNIT	Standard	881-000-102
330 kHz	Option	-001
2.25 MHz	Option	-003
4 Wire	Option	-008
Low profile end mount connector	Option	-011
Split Head	Option	-014
High Resolution (3 mm)	Option	-015
Interface source code in "C" (TEST8812.C)	Option	-018

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