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## IMAGENEX MODEL 852-GS GYRO STABILIZED ULTRA-MINIATURE PROFILING SONAR

### APPLICATIONS:

- ROV, AUV, & UUV
- Manned Submersibles
- Dam Face Inspection
- Scientific Research
- Drop sonar
- Borehole Inspection

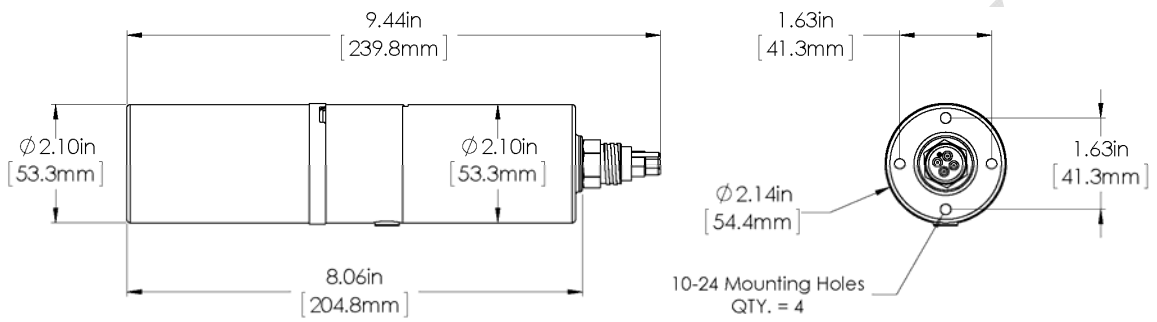
### FEATURES:

- Ultra-miniature size is ideal for mounting on today's micro ROV's
- Gyro stabilized transducer steering
- Low power
- Simple set-up and installation
- Orientation module



<b>HARDWARE SPECIFICATIONS:</b>	
<b>FREQUENCY</b>	675 kHz
<b>TRANSDUCER</b>	Profiling type, fluid compensated
<b>TRANSDUCER BEAM WIDTH</b>	3° conical
<b>RANGE RESOLUTION</b>	5 m & up: 10 mm (0.4") @ 500 data points or 20 mm (0.8") @ 250 data points (Polar mode)
<b>ORIENTATION MODULE (accuracies):</b>	
<b>PITCH &amp; ROLL</b>	TBA
<b>HEADING (Magnetic)</b>	TBA
<b>MIN. DETECTABLE RANGE</b>	150 mm (6")
<b>MAX. OPERATING DEPTH</b>	300 m
<b>MAX. CABLE LENGTH</b>	1000 m on typical twisted shielded pair (RS-485)
<b>INTERFACE</b>	RS-485 serial interface @ 115.2 kbps (or optional RS-232)
<b>CONNECTOR</b>	Subconn MCBH4MP
<b>POWER SUPPLY</b>	12 – 50 VDC at less than 3 Watts
<b>DIMENSIONS</b>	54.4 mm (2.14") diameter x 204.7 mm (8.06") length
<b>WEIGHT: In Air</b>	~0.75 kg (~1.65 lbs)
<b>In Water</b>	~0.33 kg (~0.73 lbs)
<b>MATERIALS</b>	6061-T6 Aluminum & Polyurethane
<b>FINISH</b>	Hard Anodize

<b>SOFTWARE SPECIFICATIONS:</b>	<b>Win881ALGS.exe</b>
<b>WINDOWS™ OPERATING SYSTEM</b>	Windows™ XP, Vista, 7, 8, 10
<b>MODES</b>	Sector, Polar, and Side Scan
<b>GYRO MODES</b>	North Up, Heading Up, Target Steering
<b>RANGE SCALES</b>	5 m, 10 m, 20 m, 30 m, 40 m, 50 m
<b>TRAIN ANGLES</b>	Continuous rotation, 3° increments
<b>SECTOR SIZE:</b>	
<b>SECTOR MODE</b>	0° – 180°, 3° increments
<b>POLAR MODE</b>	0° – 357°, 3° increments, or Continuous rotation
<b>STEP SIZES</b>	Slow (0.3°), Medium (0.6°), Fast (0.9°), Faster (1.2°), Fastest (2.4°)
<b>GRID TYPES</b>	Polar and rectangular
<b>FILE FORMAT</b>	(filename).81R
<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>		
<b>300 m UNIT</b>	Standard	852-000-420
RS-232	Option	-006
External Trigger	Option	-023

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