



## IMAGENEX MODEL 852 ULTRA-MINIATURE 1000 m ECHO SOUNDER (WITH EXTERNAL TRIGGER)

### APPLICATIONS:

- ROV Navigation
- Diving Support
- Inspection
- Search & Recovery

### FEATURES:

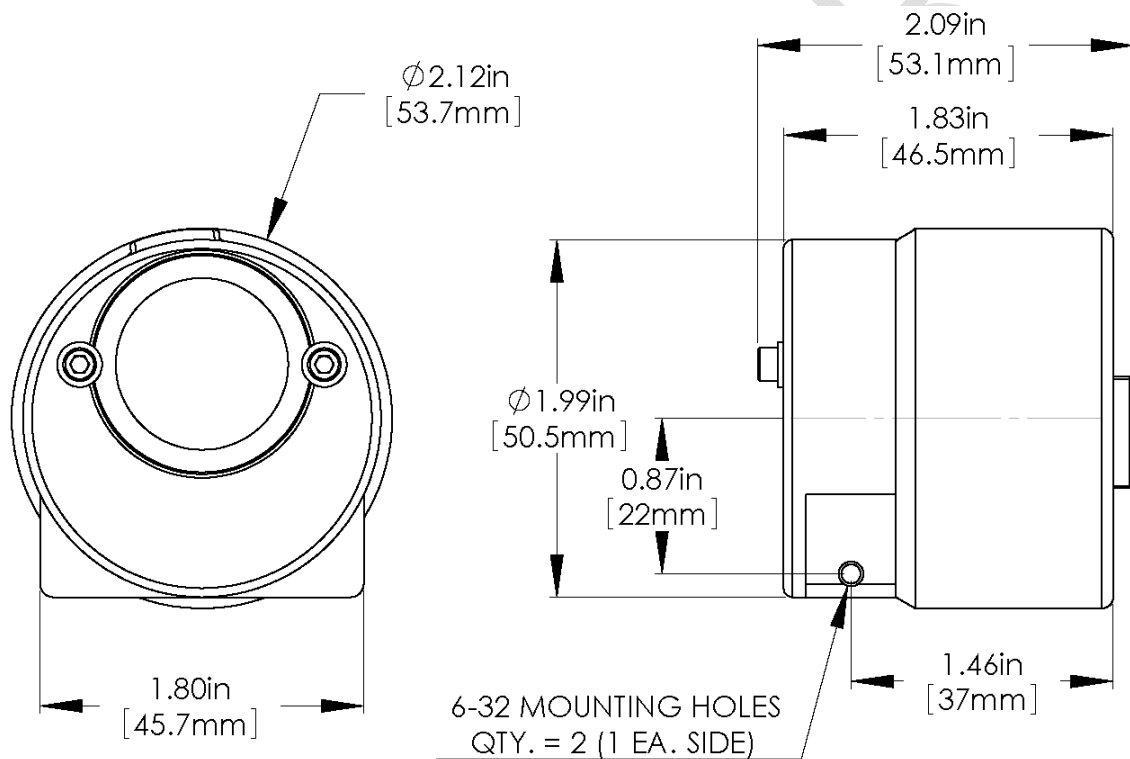
- Ultra-miniature size is ideal for mounting on today's micro ROV's
- Low cost
- Direct connection to laptop computer

The Model 852 Digital Echo Sounder was designed for use with the smallest of ROV's. For maximum flexibility, the unit requires approximately 1.5 Watts from 24 VDC, or optional 48 VDC. Serial communication is utilized, RS-485 or RS-232 at 115.2 kbps. The maximum operating range is 50 meters.



HARDWARE SPECIFICATIONS:	
FREQUENCY	675 kHz
TRANSDUCER	Conical
TRANSDUCER BEAM WIDTH	10°
RANGE RESOLUTION	20 mm
MIN. DETECTABLE RANGE	500 mm
MAX. OPERATING DEPTH	1000 m
MAX. CABLE LENGTH	1000 m on typical twisted shielded pair
INTERFACE	RS-485 @ 115.2 kbps (RS-232 optional)
CONNECTOR	IE55-1206-BCR Penetrator
POWER SUPPLY	22 – 30 VDC at less than 1.5 Watts Optional 40 – 56 VDC
DIMENSIONS	See drawing
WEIGHT: In Air	Approx. 190 g (0.42 lbs)
In Water	Approx. 100 g (0.22 lbs)
MATERIALS	6061-T6 Aluminum
FINISH	Hard Anodize

<b>SOFTWARE SPECIFICATIONS:</b>	<b>Win852.exe</b>
<b>WINDOWS™ OPERATING SYSTEM</b>	Windows™ XP, Vista, 7, 8, 10
<b>MODES</b>	Echosounder
<b>RANGE SCALES</b>	5 m, 10 m, 20 m, 30 m, 40 m, 50 m
<b>EXTERNAL INPUT</b>	Depth, Heading, Turns
<b>FILE FORMAT</b>	(filename).852
<b>RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:</b>	100 MHz Pentium 16 MB RAM 1 GB Hard Disk 800 x 600 x 256 colour graphics



<b>ORDERING INFORMATION:</b>		
<b>1000 m UNIT</b>	Standard	852-000-141
RS-232	Option	-006
40 – 56 VDC	Option	-013
External Trigger	Option	-024

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