OUR MISSION

To leverage the latest advances in micro electronics and digital signal processing to bring you sonar products that are Sensibly Priced!

We are passionate about making ocean exploration more accessible, and we know that not everyone has the budget of the US Navy and the Big Oil companies. That’s why we do it.
### ROV Locator USBL

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Absolute Maximum Range</strong></td>
<td>1 km</td>
<td></td>
</tr>
<tr>
<td><strong>Typical Usable Range</strong></td>
<td>300m</td>
<td></td>
</tr>
<tr>
<td><strong>Slant range measurement resolution</strong></td>
<td>0.1m</td>
<td></td>
</tr>
<tr>
<td><strong>Slant range error accumulation (typical)</strong></td>
<td>2 m/hr</td>
<td></td>
</tr>
<tr>
<td><strong>Apparent Yaw/Azimuth resolution</strong></td>
<td>1°</td>
<td></td>
</tr>
<tr>
<td><strong>IMU Euler angle accuracy, typical</strong></td>
<td>2°</td>
<td></td>
</tr>
<tr>
<td><strong>Apparent Elevation angle resolution</strong></td>
<td>1°</td>
<td></td>
</tr>
<tr>
<td><strong>Update rate</strong></td>
<td>1Hz</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Depth</strong></td>
<td>100m / 300m</td>
<td></td>
</tr>
<tr>
<td><strong>Ping Frequency</strong></td>
<td>25 kHz</td>
<td></td>
</tr>
</tbody>
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**100m bundle**
- Price: **$1,995**

**300m bundle**
- Price: **$2,495**
Sounder S500 CHIRP Single-Beam Echosounder

- **Acoustic Frequency**: 500 kHz
- **Minimum Range**: 0.3 meters
- **Maximum Range**: 100+ meters
- **Beam Width (2-way, conical)**: about 5 degrees.
- **Modulation**: CHIRP with 20 kHZ bandwidth, monotone ping also supported
- **Depth Rating**: 300 meters

**Interfaces**
- Ethernet (100Mb/s)
- USB (12Mb/s)
- Serial (115kbaud)

**Price**: $595
Total Distance: 1.5 km
Error: 2.5% distance traveled, ≤5% typical
Average speed: 5 kts
Average height above seafloor: 10m
Typical bottom lock range: ~30m
Wayzata Bay, Lake Minnetonka, MN (a muck-bottom lake with substantial lake bottom vegetation)

Preliminary pricing:
$1,999 for fully-functional baseline system that emulates GPS
$2,797 with upgraded INS for “hassle-free” calibration & 300m electronics enclosure.

Availability, September 2020
240kHz array with 16 element modules that can be combined in various configurations.

All condition navigation solutions (object detection, obstacle avoidance, situational awareness).

In this example, 181 beams (0.5° spacing).

Ping rate up to 20Hz unless limited by range.