# ARIS Explorer 3000 Specifications

<table>
<thead>
<tr>
<th>Detection Mode</th>
<th>Identification Mode</th>
<th>Both Modes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Frequency</td>
<td>Operating Frequency</td>
<td>1.8 MHz</td>
</tr>
<tr>
<td>Beamwidth (two-way)</td>
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<td>0.3° H by 14° V</td>
</tr>
<tr>
<td>Source Level (average)</td>
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<td>~200-206 dB re 1 μPa at 1 m (TBD)</td>
</tr>
<tr>
<td>Nominal Effective Range</td>
<td>Nominal Effective Range</td>
<td>15m</td>
</tr>
</tbody>
</table>

## Both Modes
- **Number of beams**: 128 or 64
- **Beam Spacing**: 0.25° nominal
- **Horizontal Field-of-View**: 30°
- **Max frame rate (128 beams)**: 4-15 frames/sec (8-15 frames/sec w/64 beams)
- **Minimum Range Start**: 0.7m
- **Downrange Resolution**: 3mm to 10cm
- **Transmit Pulse Length**: 4μs to 100μs
- **Remote Focus**: 0.7m to max range
- **Power Consumption**: 15 Watts typical
- **Weight in Air**: 5.12 kg (11.3 lb)
- **Weight in Water**: 1.55 kg (3.4 lb)
- **Dimensions**: 26cm x 16cm x 14cm
- **Depth rating**: 300m
- **Data Comm Link**: 100BaseT Ethernet
- **Maximum cable length (Ethernet)**: 90 m (300 feet)

## Minimum PC Requirements:
- Windows 7 SP1 or higher operating system
- PC Interface: 100BaseT Wired Ethernet

## Recommended PC Configuration:
- DirectX compatible graphics
- Multi-core CPU
- 8 Gb RAM
- 512 MB Video RAM
- 64 Gb available hard disk space