CLEARLY SUPERIOR IMAGING

SIDE SCAN SONAR | SUB-BOTTOM PROFILERS | BATHYMETRY
COMBINED & CUSTOMIZED SONAR SOLUTIONS

The Leader in Underwater Technology

Acoustic Releases | USBL | MRU | Side Scan Sonar | Sub-bottom Profilers | Bathymetry | AUV & ROV Sonars | Combined & Customized Solutions
## UNDERWATER ACOUSTIC IMAGING

<table>
<thead>
<tr>
<th>Model Name</th>
<th>4125 Ultra High Resolution Lightweight, Portable</th>
<th>4205 Multipurpose Survey System</th>
<th>6205 Swath Bathymetry &amp; Side Scan Sonar</th>
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</thead>
<tbody>
<tr>
<td>Side Scan Sonar</td>
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<tr>
<td>Sub-bottom Profiler</td>
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<tr>
<td>Bathymetry (3-D)</td>
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<tr>
<td>Frequency Options Available</td>
<td>400 kHz/900 kHz</td>
<td>Tri-frequency versions:</td>
<td>550/1600 kHz (Dual Frequency Side Scan with 550 kHz Bathymetry Data)</td>
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<tr>
<td></td>
<td>600 kHz/1600 kHz</td>
<td>• 120/410/850 kHz</td>
<td>550/850 kHz (Dual Frequency Side Scan with 550 kHz Bathymetry Data)</td>
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<tr>
<td></td>
<td></td>
<td>• 230/540/850 kHz</td>
<td>230/550 kHz (Dual Frequency Side Scan with 550 kHz Bathymetry Data)</td>
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<tr>
<td></td>
<td></td>
<td>• Tri-frequency versions:</td>
<td>230/550 kHz (Dual Frequency Side Scan with 230 kHz Bathymetry Data)</td>
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<tr>
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<td>• 230/850 kHz</td>
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</tr>
<tr>
<td>Depth Rating (meters)</td>
<td>200 m</td>
<td>2000 m</td>
<td>100 m</td>
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<tr>
<td>Multi-Pulse Option Available</td>
<td>√</td>
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<tr>
<td>Dynamic Focusing Long Range and High Resolution</td>
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<tr>
<td>Configurations available:</td>
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<tr>
<td>Towfish</td>
<td>√</td>
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<tr>
<td>Pole Mount</td>
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<td>√</td>
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<tr>
<td>Sample Applications:</td>
<td>• Hydrographic Surveys</td>
<td>• Hydrographic Surveys</td>
<td>• Benthic Habitat Mapping</td>
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<tr>
<td></td>
<td>• Geological Surveys</td>
<td>• Archeological Surveys</td>
<td>• Dredging Operations</td>
</tr>
<tr>
<td></td>
<td>• Search &amp; Recovery</td>
<td>• Cable and Pipeline Surveys</td>
<td>• Marine Debris Search</td>
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<td></td>
<td>• Channel/Clearance Surveys</td>
<td>• Geohazard Surveys</td>
<td>• Military Rapid Environmental Assessments (REA)</td>
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<td></td>
<td>• Bridge/Pier/ Harbor Wall Inspection</td>
<td>• Geological/Geophysical Surveys</td>
<td>• Nautical Charting</td>
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<td></td>
<td>• Hull Inspections</td>
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<td>• Route Surveys</td>
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<td></td>
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<td></td>
<td>• Shallow Water Hydrographic Surveys</td>
</tr>
</tbody>
</table>
## Underwater Acoustic Imaging

### EdgeTech
The Leader in Underwater Technology

### Model Name
- **4125 Ultra High Resolution Lightweight, Portable**
- **4205 Multipurpose Survey System**
- **6205 Swath Bathymetry & Side Scan Sonar**
- **3400/3300 Sub-bottom Profiler Towed, Pole-Mount, Hull-Mount, Portable**
- **2200/2205 Sonars for ROV, AUV, USV**
- **2300 Combined Side Scan Sonar & Sub-bottom Profiler (with Optional Bathymetry)**
- **2400 / Specials Deep Tows**

### Frequency Options
- **400 kHz/900 kHz**
- **600 kHz/1600 kHz**
- **Tri-frequency versions:**
  - 120/410/850 kHz
  - 230/540/850 kHz
- **Multi-pulse/Motion Tolerant versions:**
  - 120/410 kHz
  - 230/540 kHz
  - 230/850 kHz
- 550/1600 kHz (Dual Frequency Side Scan with 550 kHz Bathymetry Data)
- 550/850 kHz (Dual Frequency Side Scan with 550 kHz Bathymetry Data)
- 230/550 kHz (Dual Frequency Side Scan with 550 kHz Bathymetry Data)
- 230/550 kHz (Dual Frequency Side Scan with 230 kHz Bathymetry Data)

### Depth Rating (meters)
- **3400/3300:**
  - 200 m
  - 2000 m
  - 100 m, survey 6000 m options to 6000 m
- **2200/2205:**
  - 100 m, survey 6000 m options to 6000 m
- **2300:**
  - 2000 m (2000 m optional)
  - 100 m, survey 6000 m options to 6000 m
- **2400 / Specials Deep Tows:**
  - 2000 m (3000 m optional)
  - 100 m, survey 6000 m options to 6000 m

### Sample Applications
- **Hydrographic Surveys**
- **Geological Surveys**
- **Search & Recovery**
- **Channel/Clearance Surveys**
- **Bridge/Pier/Harbor Wall Inspection**
- **Hull Inspections**
- **Hydrographic Surveys**
- **Archeological Surveys**
- **Cable and Pipeline Surveys**
- **Geohazard Surveys**
- **Geological/Geophysical Surveys**
- **Buried Object Location**
- **Mining/Dredging Surveys**
- **Route Surveys**
- **Buried Pipeline and Cable**
- **Shallow Water Hydrographic Surveys**
- **Scour/Erosion Investigation**
- **Bridge/ Shoreline Scour Surveys**
- **Pre/Post Dredging Surveys**
- **Pipeline and Cable Location**
- **Route Surveys**
- **Archeological Surveys**
- **Archeological Surveys**

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For more information please visit [EdgeTech.com](http://www.EdgeTech.com)
WHAT SETS EDGETECH APART?
ADVANCED TECHNOLOGY PROVIDING CLEARLY SUPERIOR IMAGING

EdgeTech is the industry leader in the design and development of advanced imaging sonar systems. Only EdgeTech offers a set of unique and exciting underwater imaging technologies including Full Spectrum® CHIRP Processing, Multi-Pulse technology, Dynamic Aperture and Dynamically Focused Arrays. Our proprietary Full Spectrum® CHIRP Processing enhances long range resolutions through improved signal-to-noise ratios. Multi-Pulse technology puts multiple pulses in the water simultaneously, thereby enabling either a survey speed increase over conventional side scan sonar systems, or a marked increase of pings on target, which leads to superior feature detection. EdgeTech's exclusive Dynamically Focused Arrays sharpen resolutions in the far field and enable better target identifications at longer ranges.

In addition to these pioneering technologies, our expertise in telemetry, compact & low-power electronics, modular designs and software programming allows us to provide unique and tailored solutions for platforms that include towed bodies, powered towed bodies, remotely operated vehicles (ROV), unmanned surface vehicles (USV), and unmanned underwater vehicles (UUV). We also have vast knowledge of acoustic positioning, navigation and control technologies that can easily be incorporated into any of EdgeTech solutions. For side scan sonar, sub-bottom profiling, and bathymetric solutions, either individually or in combinations, EdgeTech provides Clearly Superior Imaging.