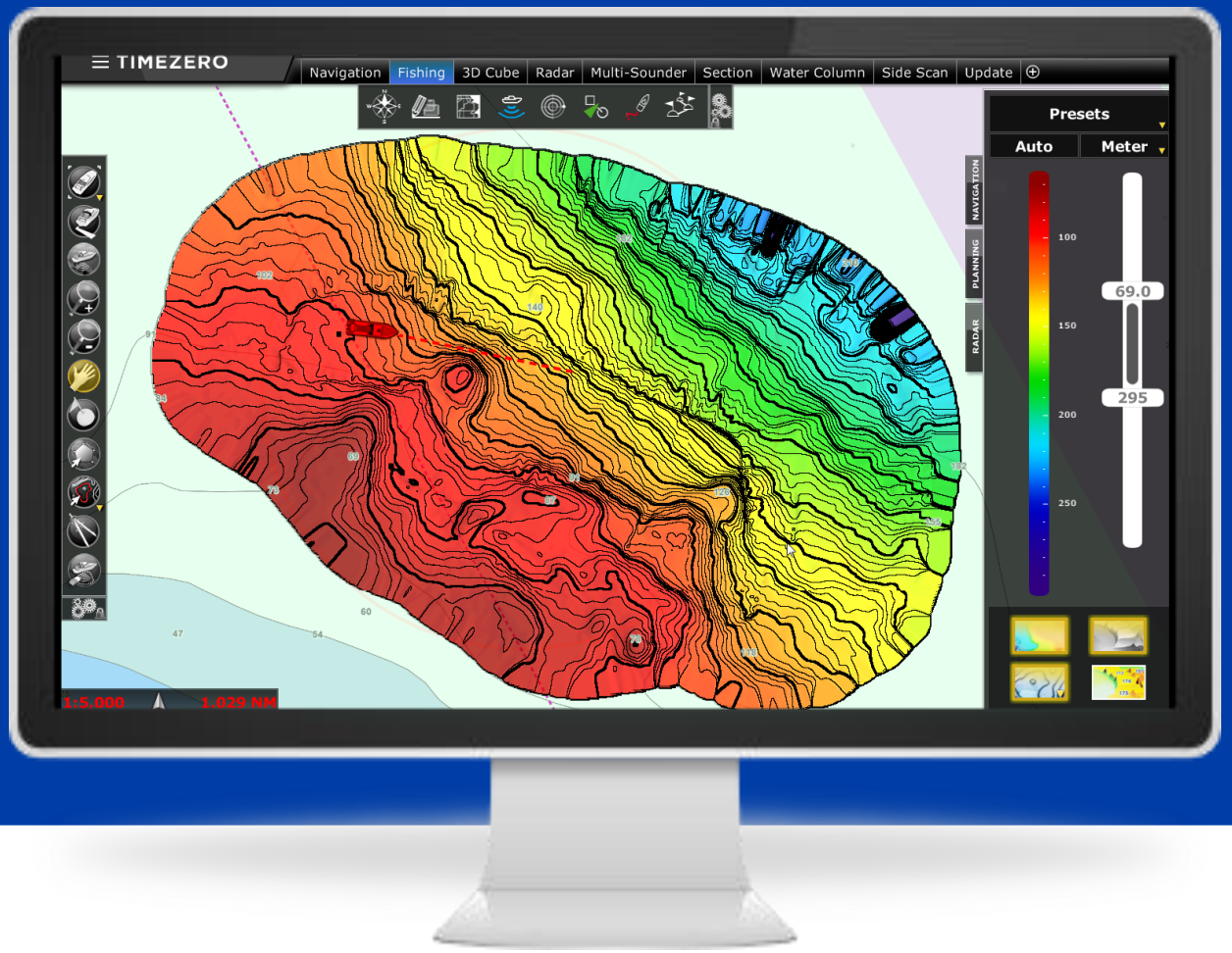


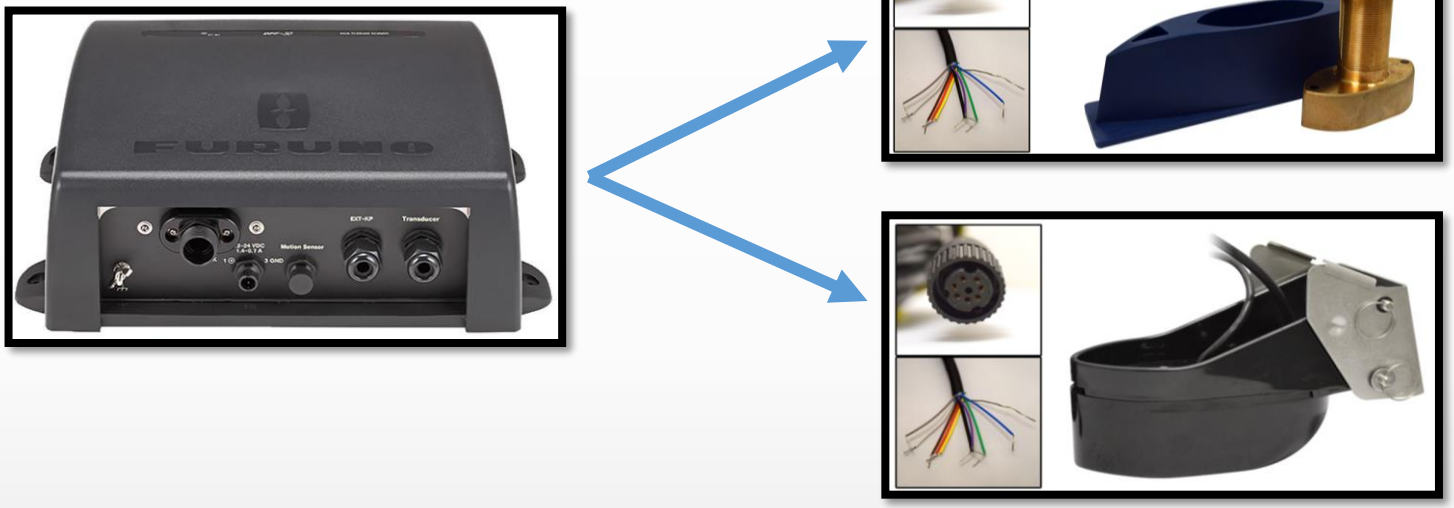
DFF3D INTEGRATION WITH TZ PROFESSIONAL V3.3

What is the DFF3D?

- ✓ The DFF3D is a MultiBeam sonar:
  - ✓ Down Sounder
  - ✓ Port and Starboard Sounder (Multi Sounder)
  - ✓ Real time wide angle A-Scope (Section)
  - ✓ Fish Target History (Water Column)
  - ✓ Side Scan Sonar
- ✓ The DFF3D paired with the S30 connected to TZ Professional can generate up to 50 depth points every second
- ✓ The DFF3D can also be coupled with a traditional Furuno Sounder (DFF1-UHD, DFF3,…)

DFF3D Hardware

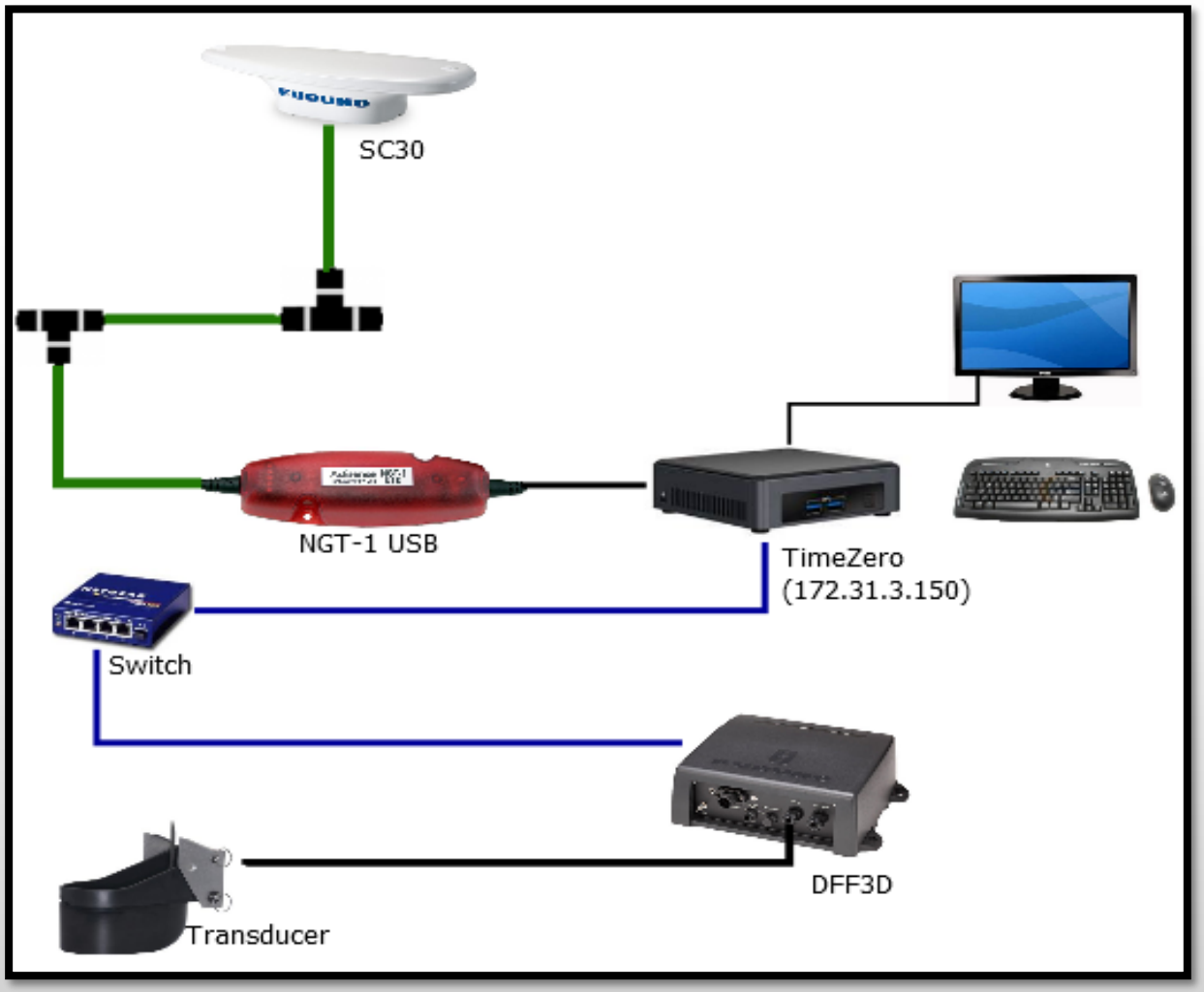
✓ DFF3D Ethernet Black Box with Transducer (165kHz):



✓ Combination Transducer:

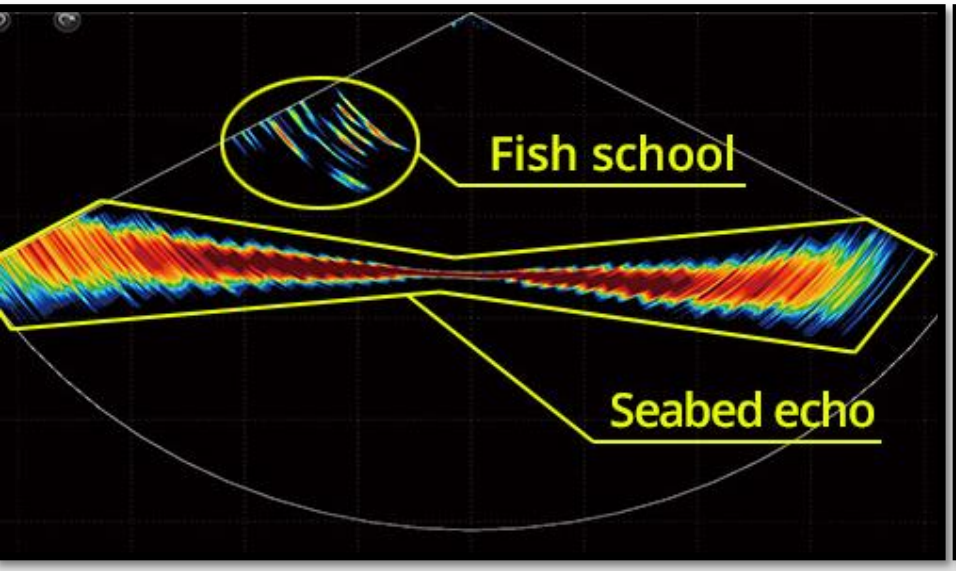
DFF3D Integration

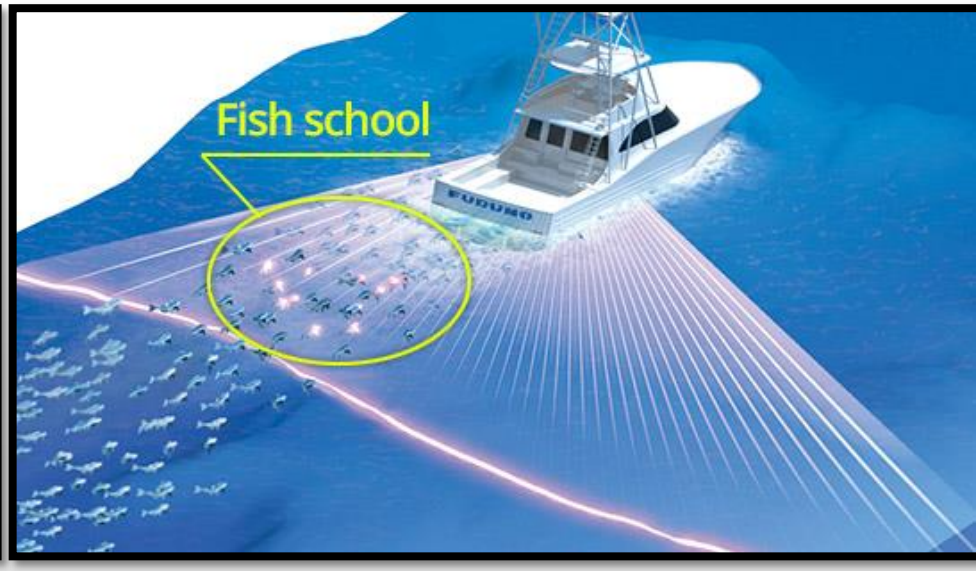
- DFF3D & SC30 integration with TimeZero Professional:



Section

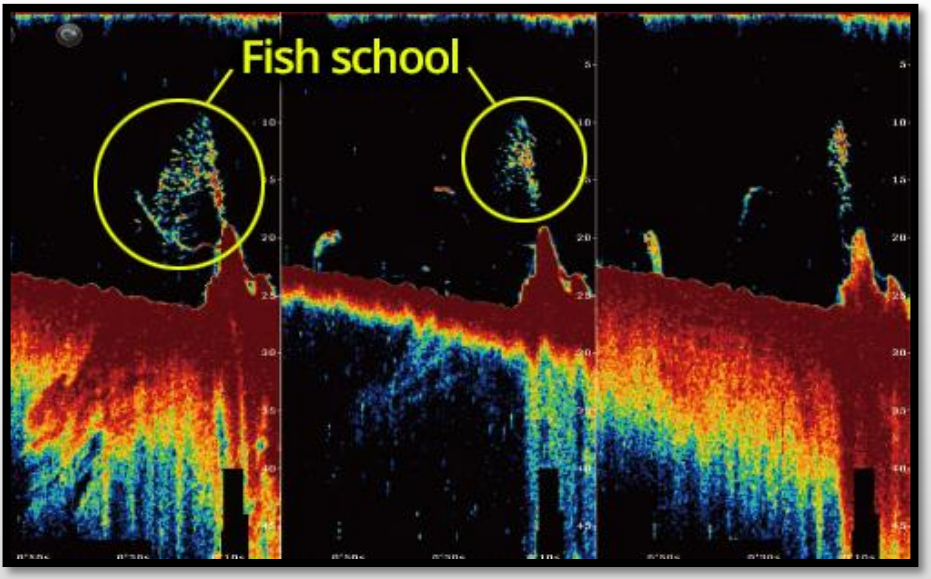
- The Section displays real-time conditions under the boat in a wide 120 degrees swath port to starboard. This mode allows you to see exactly where fish are detected and helps visualize the seafloor shape under your boat.

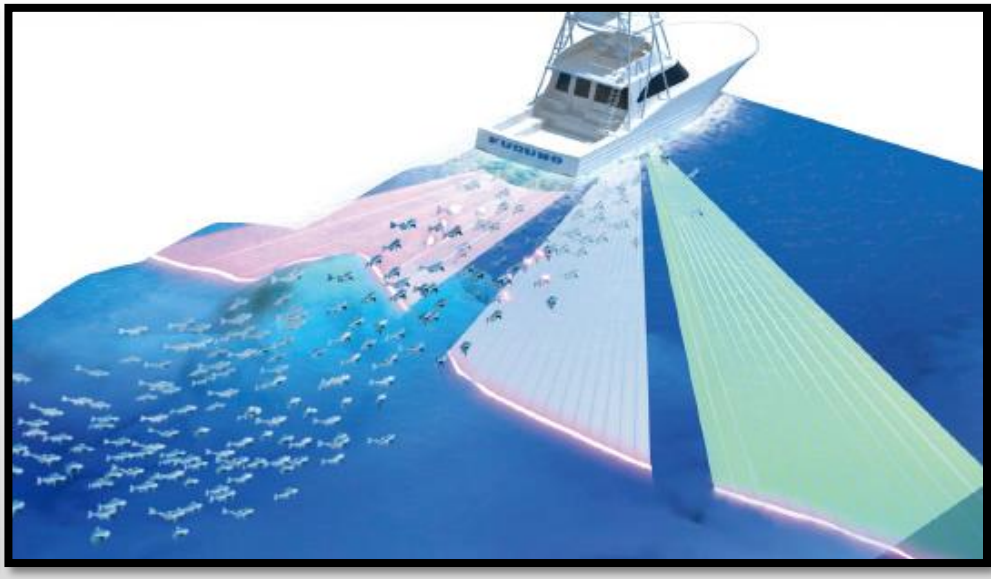




Multi-Sounder

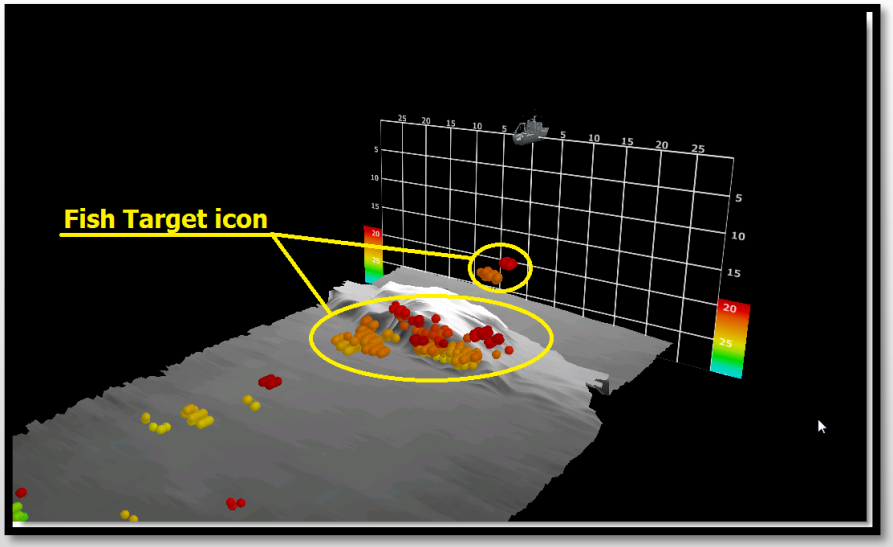
- The Multi-Sounder operates like a traditional Sounder (scrolling from left to right), but instead of having only one beam (under your boat), two additional beams (port and starboard) are displayed on the screen. Because the Multi-Sounder keeps a history of the previous echoes, it is easy to locate fish at a glance.

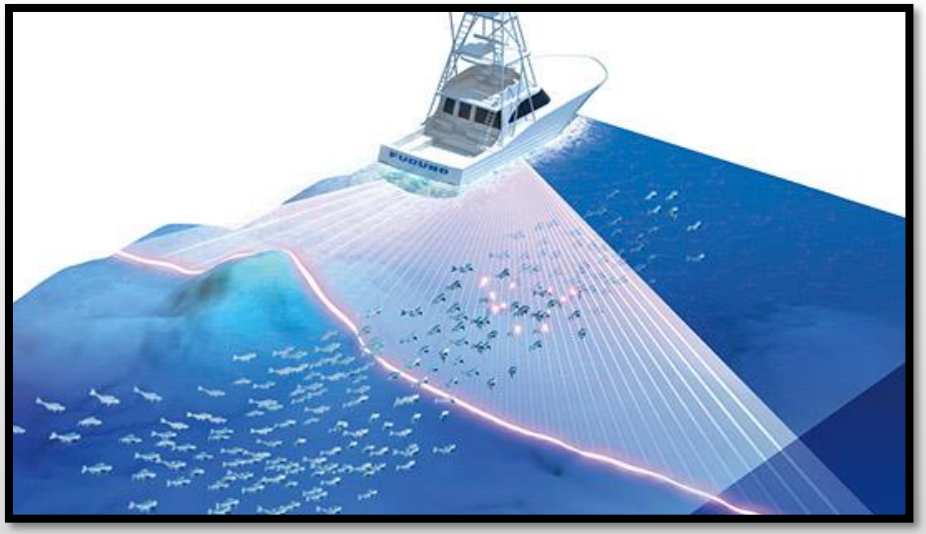




Water Column

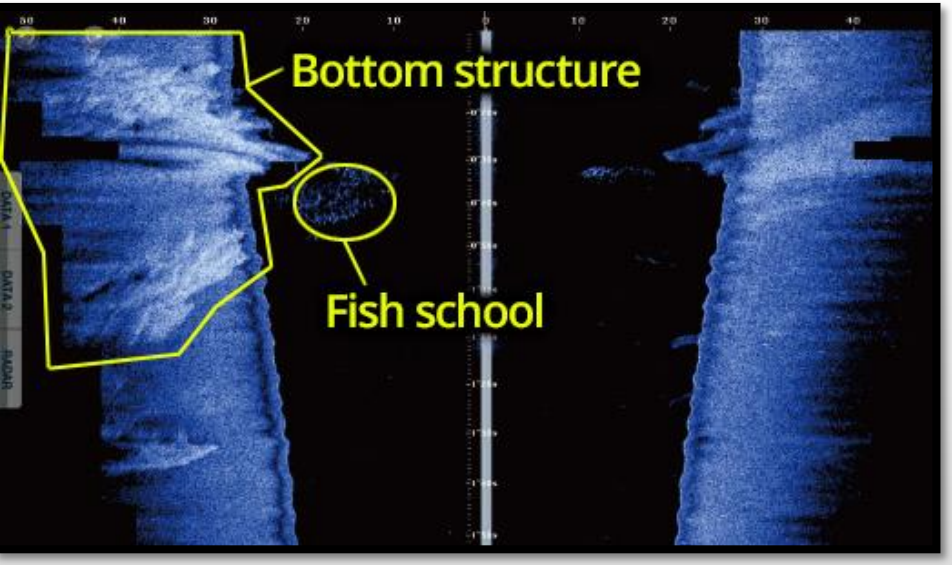
- The Water Column provides an easy and intuitive time-based image of the seafloor, along with fish target icons. This mode displays a historical view of the section under your boat. Note that even if the boat does not move, the picture will continue to scroll to show the evolution of the water column (fish that may move) under your boat.

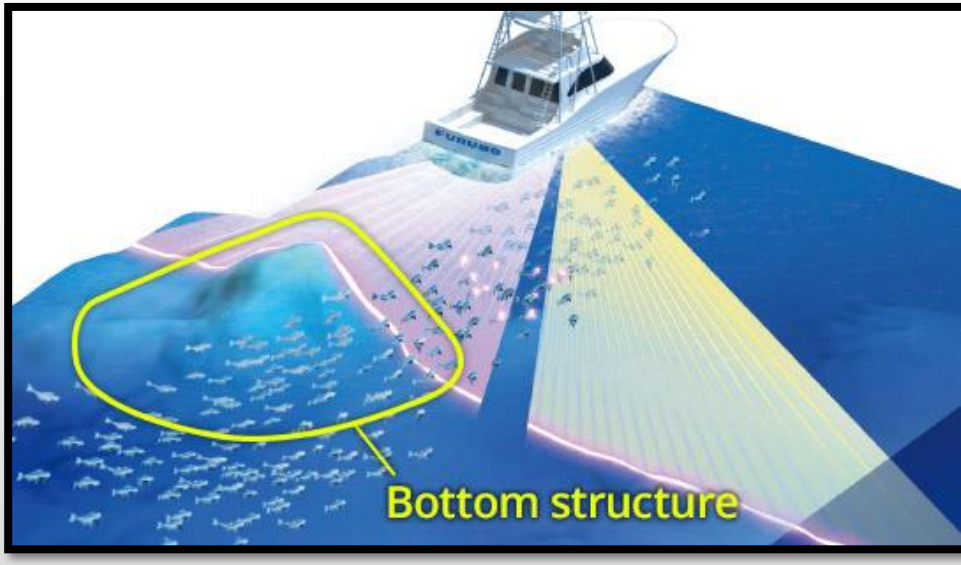




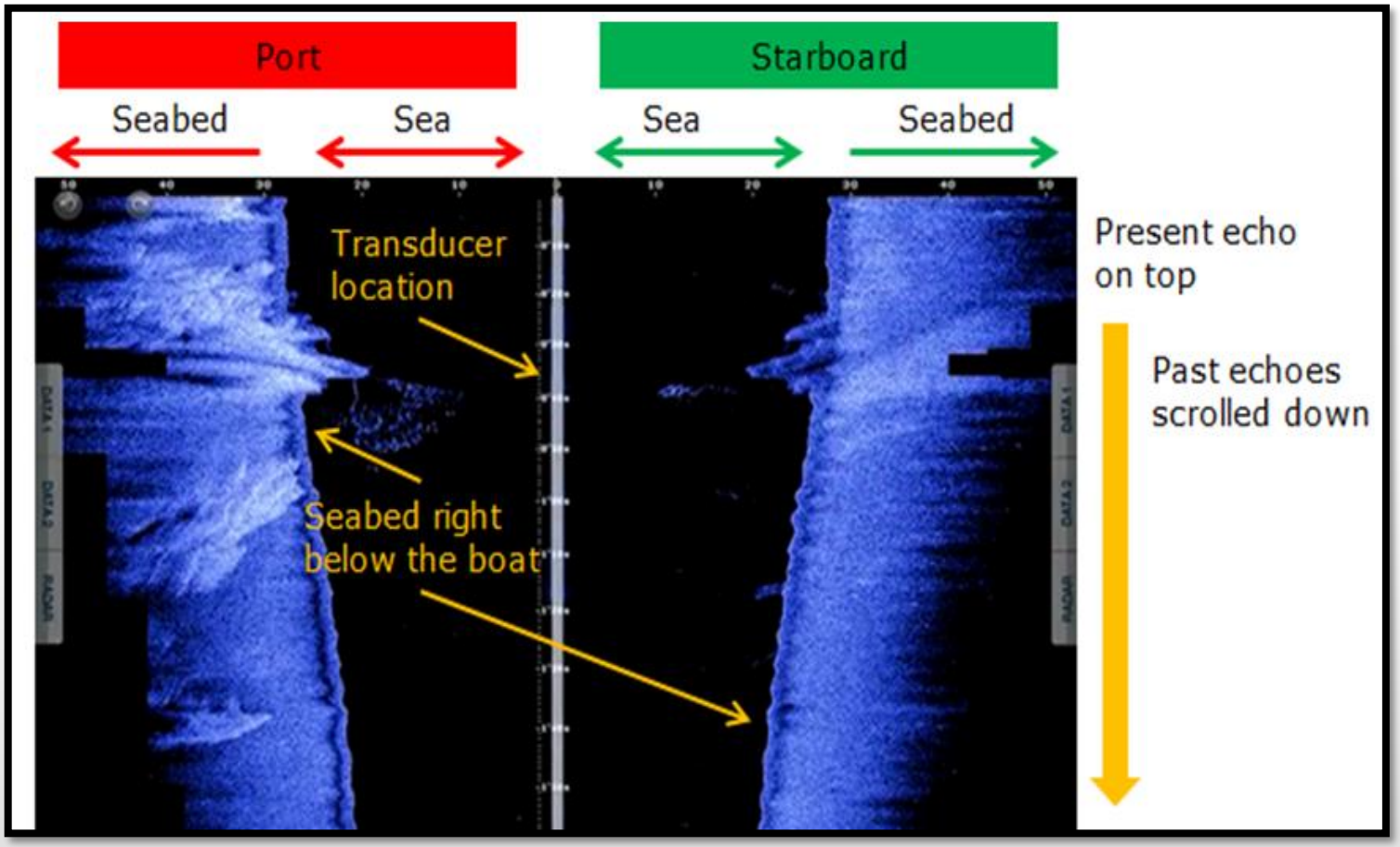
Side Scan

- The Side Scan mode displays the DFF3D data in a port and starboard view that scrolls vertically from the top down. It's best used in shallow water to identify bottom structure.



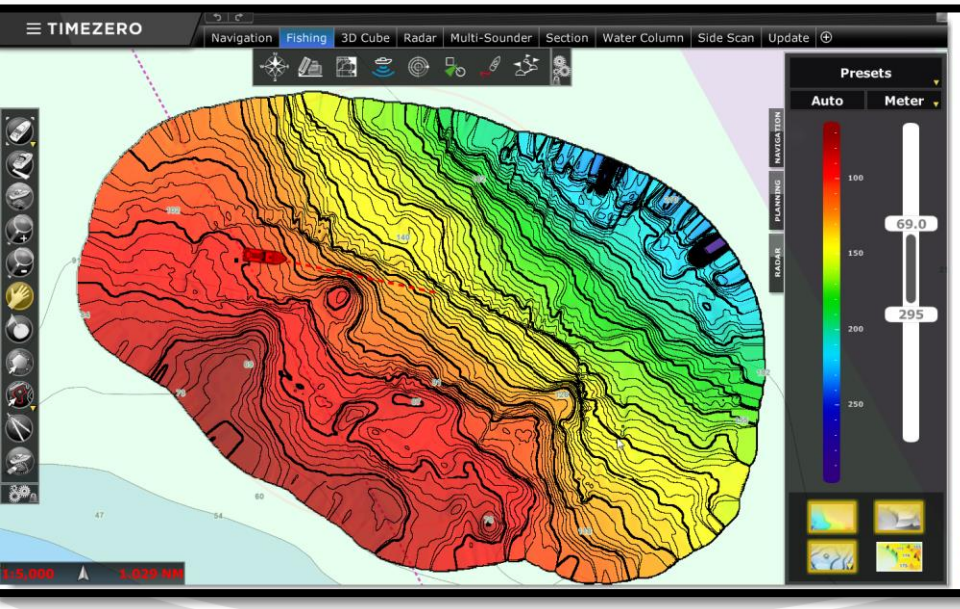


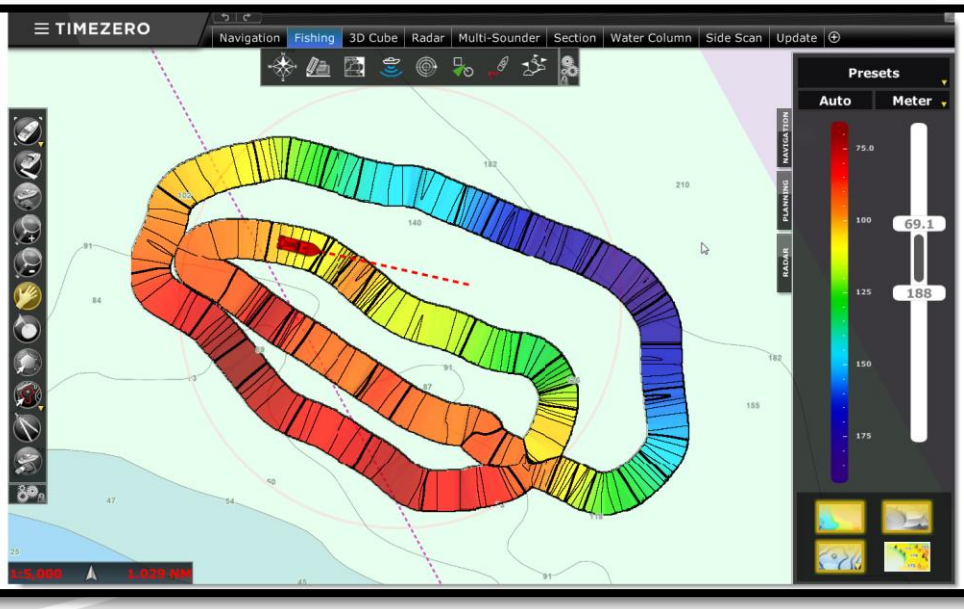
Side Scan Explanation



TIMEZERO

- Multi-beam Vs Single-beam comparison
- 300 football fields can be covered in less than 20 minutes with the DFF3D!





DFF3D Vs Competition

- ✓ The DFF3D is the first entry level MultiBeam sonar that can be used for coastal fisheries
- ✓ Other systems (Garmin Panoptix, Simrad StructurScan) operate at much higher frequencies (typically 455kHz or 800kHz) and are unusable at depths below 40 meters
- ✓ The DFF3D operates can reliably create PBG up to 200 meters
- ✓ Other systems offer no or poor motion compensation. They also cannot use external stabilization data from a better sensor such as the SC30)
- ✓ The DFF3D sends quality information for each depth points. This prevents recording bad data point even in rough conditions or in deeper water