

**EXPEDITION
READY**



SeaBat[®] 8125 upgrade

ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHO SOUNDER

The SeaBat 8125 upgrade adds an advanced feature set to the great selling high resolution multibeam. The upgrade consists simply of replacing the 81P sonar processor with the new processor, unlocking a large range of features providing a huge increase in efficiency and productivity.

The 8125 was released in 2000 and since then some 250 systems have been delivered worldwide, being used in a wide variety of applications from pipeline inspection to wreck surveys to general hydrographic survey. The new software suite includes features such as roll stabilization, high density footprints, high quality data output and fully automated operation which maximise productivity and efficiency. The system is optionally available with a fully integrated and pre-configured PDS2000 software package running on the same hardware platform for the ultimate in easy installation, integration & commissioning.

The system acoustic performance is improved, providing the highest possible quality data to international standards over the entire 120° swath

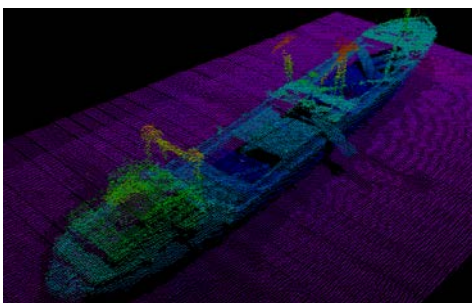
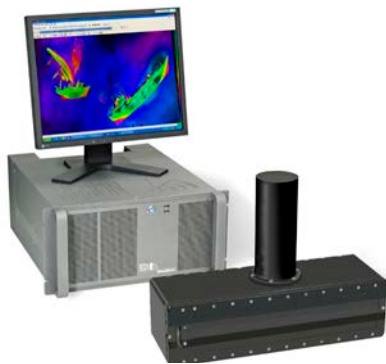
PRODUCT LOGBOOK



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|---------------|--|
| FREQUENCY | 455 kHz |
| BEAM DENSITY | Up to 512 beams in selectable modes optimises operations for any survey type |
| SWATH | 120° swath angle |
| EASY UPGRADE | Fast, simple, economical upgrade |
| NEW PROCESSOR | New sonar processor only, no changes to existing 8125 head or cables |
| PERFORMANCE | Improved raw data display and water column |

SEABAT 8125-H SYSTEM SPECIFICATIONS

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|--|---|
| FREQUENCY | 455kHz |
| ALONG-TRACK TRANSMIT BEAMWIDTH | 1.0° |
| ACROSS-TRACK RECEIVE BEAMWIDTH | 0.5° (at nadir) |
| MAX PING RATE | 40Hz |
| PULSE LENGTH | 10 µsec to 300 µsec |
| NUMBER OF BEAMS | Up to 512 beams in selectable modes |
| MAX SWATH ANGLE | 120° |
| DEPTH RESOLUTION | 6 mm |
| DATA INTERFACE | Bathymetry, sidescan & snippets, 7K data format, Gigabit Ethernet |
| POWER REQUIREMENT | 110/220 VAC, 50/60 Hz, 500W max |
| HEAD TO PROCESSOR CABLE LENGTH | 25m |
| SYSTEM DEPTH RATING (ALUMINIUM) | 400m |
| SYSTEM DEPTH RATING (TITANIUM) | 1500m |
| PROCESSOR TEMPERATURE: OPERATING, STORAGE | 0° to + 40° C, -30° to +55° C |
| SONAR HEAD TEMPERATURE: OPERATING, STORAGE | -2° to +35° C, -30° to +70° C |
| WEIGHT (TITANIUM) | 40kg (air), 18kg (water) |



WHY CHOOSE A SEABAT 8125 UPGRADE?

- Replacing the processor and acquisition PC with a single highly integrated super computer
- Performance highly improved
- Improved raw data display and water column
- Real-time roll stabilization
- Uncertainty output
- Variable swath
- Autopilot

For more details visit www.reson.com or contact your local RESON Office. RESON reserves the right to change specifications without notice. 2010©RESON

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