RESON

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

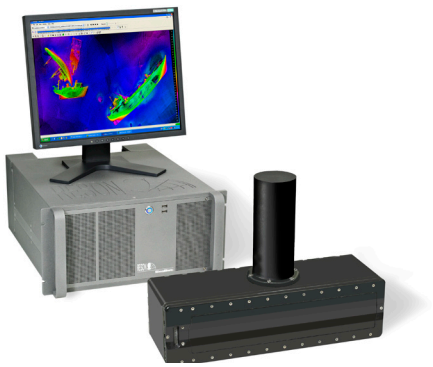
PRODUCT LOGBOOK

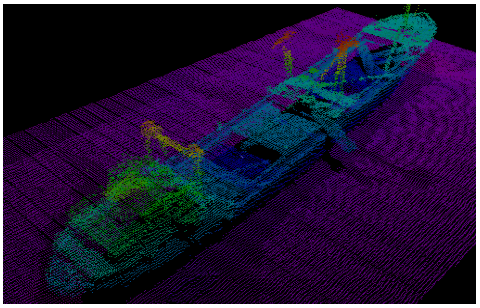
RESON

FREQUENCY	455 kHz
BEAMS	512/256 EA/ED High density EA/AD beam spacing
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

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	512/256 ED/EA
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

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