

SUPERIOR SURVEY ROV

SPECIFICATION SHEET



KEY ROV FEATURES

Building on DeepOceans extensive experience in seabed mapping and ROV pipeline inspection, the SUPERIOR ROV provides a new level of ROV survey performance. Its hydrodynamic shape, power and modular design provides unmatched operational flexibility and data quality.

The ROV is equipped with the latest technology in navigation- and sensor systems. Its seamless integration with the ROV control system ensures very stable and precise ROV flying capabilities.

- UP TO 6KN SPEED FOR ACOUSTIC SURVEYS
- MORE THAN 3KN FOR PIPELINE INSPECTION
- 3000M DEPTH RATING
- GOOD HYDRODYNAMICS AND VERY STABLE FLYING
- AUTOTRACK AND DP FUNCTIONALITY
- VISUAL, BATHYMETRIC, LASER AND SONAR SURVEY DATA

GENERAL

DEPTH RATING	3000msw
POWER	220hp
THRUSTERS FORWARD	4 x Sub Atlantic SA-420
THRUSTERS LATERAL	2 x Sub Atlantic SA-380
THRUSTERS VERTICAL	3 x Sub Atlantic SA-380
WEIGHT	4950kg including skid and payload
PAYLOAD	700kg with skid and standard sensors, cameras, lights and P&T
DIMENSIONS (LxWxH)	5562mm x 2500mm x 1300mm + 900mm (height of skid)
MECHANICAL UTILITY INTERFACE	In vehicle centre there is more than 1100 x 2000 x 600mm free space dedicated for utility equipment

PERFORMANCE

SPEED ACOUSTIC SURVEY	Up to 6 knots
SPEED PIPELINE INSPECTION	More than 3 knots
AUTO FUNCTIONS	Heading, Pitch, Roll, Depth / Altitude
DP FUNCTIONS	Autotrack / Station Keeping

STANDARD EQUIPMENT

SONAR	Tritech Gemini Obstacle Avoidance 720iD
LED LAMPS	10 x DSPL Sealite Sphere SLS-6100 (3200K - 7000 Lumens) 4 x DSPL Sealite Sphere SLS6150 (3200K - 10000 Lumens)
CAMERAS	3 x DSPL Super Wide-I SeaCam 3 x Imenco Silvertip Camera
NAVIGATION SYSTEM	iXBlue PHINS Inertial
ALTIMETER	Tritech PA200/500
EMERGENCY STROBE	
TRANSPONDER/RESPONDER	Kongsberg MST

SURVEY EQUIPMENT

MULTIBEAM ECHOSOUNDER	Dualhead Teledyne Reson 7125 FP4
CAMERAS	4 x Imenco PRO Spinner Shark HD Imenco Tiger Shark Stills Picture Camera with external flash
IMU	Kongsberg SIU IMU (for INS)
NAVIGATION SYSTEM	Kongsberg HAIN Inertial
STILLS CAMERA / LASER PROFILE SYSTEM	Dual Cathx Ocean Imaging System
PRESSURE SENSORS	2 x Paroscientific Digiqartz
CTD	SAIV SD204
DVL	Teledyne RDI 1200kHz Teledyne RDI 600kHz DVL (optional)
PIPETRACKER	TSS 440
REFERENCE LINE LASER	RTS Green Line Laser
SIDECAN SYSTEM	Edgetech 2200-M (300/600 kHz or 100/400kHz)
SBP	Edgetech DW-106
SAS	Kraken MINSAS120 (optional)

ERGONOMIC & FUNCTIONAL PILOT INTERFACE

INTERFACE	Touch screen Joystick and computer controlled from pilot chairs Realtime overview system
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