

V8 Sii HD

SPECIFICATION SHEET



OBSERVATION CLASS ROV - V8 SII HD

KEY FEATURES

- MANOEUVRABILITY
 - 3 TRANSLATION AXES, FORWARD/BACKWARD, SIDEWAYS, UP/DOWN. 360DEG IN ROLL, PITCH AND HEADING.
 - NEXT GENERATION 360
 - HIGH ACCURACY IN SERVO LOOP FOR 360 CONTROL
 - THE SMALL SIZE RESULTS IN VERY GOOD ACCESSIBILITY SKILLS
- TECHNOLOGY
 - THE V8 INCORPORATES THE VERY LATEST CUTTING-EDGE HARDWARE AND SOFTWARE TECHNOLOGY, AND SPORTS A PEDIGREE THAT CAN BE TRACED BACK TO THE LEGENDARY SEAOWL
- CLASSIFICATION
 - INSPECTION, OBSERVATION, SEARCH AND SURVEY

GENERAL

| | |
|---------------|-------------------------------|
| DEPTH RATING | 500 msw |
| POWER REQ. | 115-230Vac 3ph, 50-60hz, 3kVA |
| WEIGHT IN AIR | 70 kg |
| DIMENSIONS | |
| LENGTH | 0.75 m |
| WIDTH | 0.65 m |
| HEIGHT | 0.50 M |

PERFORMANCE

| | |
|-----------------------------------|--|
| SPEED | |
| FORWARDS | 3 kts |
| BACKWARDS | 2 kts |
| VERTICAL | 2 kts |
| LATERAL | 2 kts |
| THRUSTERS | |
| FWD / BWD / LATERAL | 4 off Vectored Brushless DC Thrusters (450W Tecnadyne thrusters) |
| VERTICAL | 4 off Vectored Brushless DC Thrusters (450W Tecnadyne thrusters) |
| FUNCTIONS | |
| AUTO HEADING | Yes |
| AUTO ALTITUDE | N/A |
| AUTO DEPTH | Yes |
| GYRO STABILISED HEADING | Yes |
| TRIM AND AUTO-RESET FUNCTIONALITY | Yes |
| HORIZONTAL MODE | Relative to surface |
| BODY MODE | Relative to ROV |
| PAYLOAD | 10 kg |

SURFACE UNITS

| | |
|--------------------|--|
| UMBILICAL WINCH | The V8 Sii can be interfaced with different AHC umbilical winches, typical weather limit for launch / recovery is from 4 m Hs and up to 5 m Hs |
| LARS | The V8 Sii can be interfaced with different LARS types like A-frames and jib cranes, typical weather limit for launch / recovery is from 4 m Hs and up to 5 m Hs |
| CONTROL CONTAINER | Integrated in vessel control room or typical 20' container |
| WORKSHOP CONTAINER | Integrated in vessel workshop or typical 10' or 20' container |

STANDARD EQUIPMENT

TMS

| | |
|--------------------------------|--|
| MANUFACTURER/TYPE | Sub-Atlantic - Type 1 |
| WIDTH | 1.074 m |
| LENGTH | 1.609 m |
| HEIGHT | 1.632 m - 2.032 m (adjustable) |
| WEIGHT | 580 kg in air |
| DESIGN CRITERIA | Designed to 2 Te SWL @ 3G |
| TETHER LENGTH | Up to 400 m of 16 mm Tether |
| REQUIRED POWER SUPPLY | 8 kVA |
| CAMERAS AND LIGHTS | |
| LOW LIGHT NAVIGATION CAMERA | 1 off Imenco |
| CCD COLOUR CAMERA WITH ZOOM | 1 off Imenco |
| CAMERA CAPACITY | 4 off cameras + 1 off channel for HD camera |
| CAMERA CONTROL INTERFACE | 2 off Zoom Control + 2 off RS232 Control |
| HALOGEN LIGHTS | 2 off 100 W, dimmable |
| LED LIGHTS | 2 off Bowtech |
| INSTRUMENTATION | |
| DEPTH GAUGE | Pressure Transducer (16 bit A/D Converter) |
| FLUXGATE COMPASS | Yes |
| LEAK DETECTORS | Yes |
| GYRO AND ACCELEROMETER | 3 off roll rate gyros, 3 off x,y,z accelerometers |
| 16BIT HIGH IMPEDANCE VOLTMETER | Yes, for CP Probe |
| TELEMETRY | |
| ANALOG AND DIGITAL I/O | 4 off Video Channels, 4 off RS232 Channels, 1 off Ethernet |
| OPTICAL TRANSMISSION SYSTEM | Yes, Singel Mode Fiber |