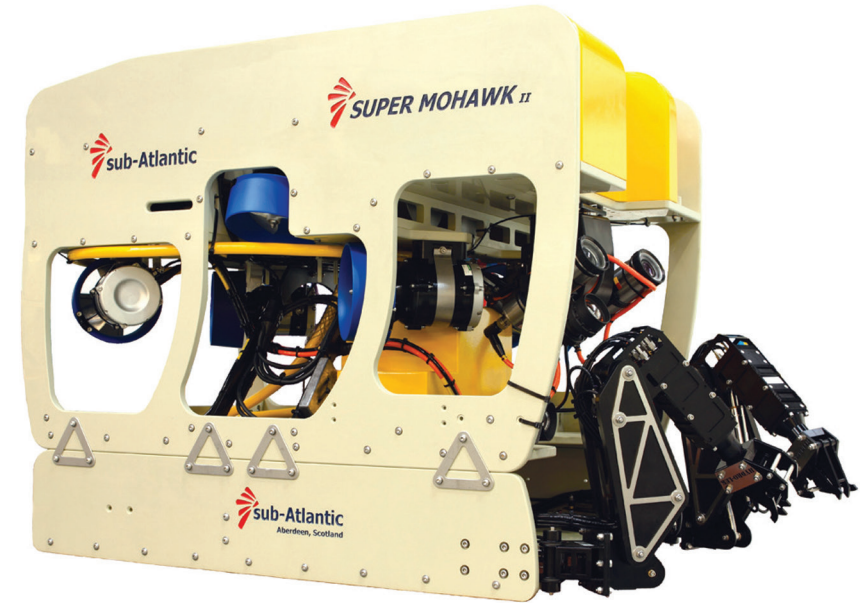


Super Mohawk Inspection ROV System

Super Mohawk II is a robust, durable and long proven ROV system designed for high payload, with plenty open deck space and skid mounted options. The subCAN control system provides advanced diagnostics, precise vehicle control and reduced reactive maintenance. Thus, the benefit of increased dive time, reduced vessel standby and operating costs. The system can be supplied as free flying or with Tether Management System.

- subCAN control system, management & advanced diagnostics
- Auto Heading Depth & Altitude
- Large area open deck space for location of sensors/equipment
- Up to 90Kg of payload (with additional payload kit)
- IMR, navigation, survey, scientific and threat detection skids
- Dual manipulator and cleaning /cutting options
- Multiple video / telemetry channels as standard
- Deep water cage TMS option
- Full Dynamic Positioning / Inertial Navigation options
- GigaByte Ethernet / CWDM options
- Operated globally as 'Spectrum' by Oceaneering International

Super Mohawk II is the ideal platform for all inspection & light work tasks including NDT, intervention, pipeline/cable/seabed survey, diver assist/safety, harbour & port security, munitions recovery, submarine rescue, scientific survey & data or sample collection, renewable energy projects, civil engineering and inland waterways.



CONTROL SYSTEM AND FEATURES

- Hands free navigation/ station keeping
- Power management and system protection
- Live monitoring and diagnostics

STANDARD SYSTEM EQUIPMENT

- Dual 1 atmosphere electronics pods / subCAN control, protection & diagnostics system
- Camera Pan & Tilt Unit
- 2000m / 65Kg standard payload buoyancy

TELEMETRY

- Single pass to four pass fiber optic upgrade available
- Ethernet / CWDM options for expansion of sensor suite
- 4 x video channels , 2 x RS 485 channels, 4 x RS 232 channels (1 dedicated to subCAN)

SUPER MOHAWK SYSTEM SPECIFICATION

Length	1400 mm
Width	900 mm
Height	850 mm
ROV Depth Rating	3000m
Standard buoyancy depth	2000 m
Optional buoyancy depth	3000 m
Weight in Air (Kg)	395 Kg
Standard Payload	65 Kg
Additional Payload	25 Kg
Power Required	440vAC 3ph 50/60Hz 15Kva
Thrusters Horizontal	150 mmØ
Thrusters Vertical	150 mmØ
Bollard Pull (Nominal)	
Forward	110 Kgf
Reverse	80 Kgf
Lateral	75 Kgf
Vertical	45 Kgf
Surface Speed	(Nominal) 3.0 Kt = 1.5 m/s
Turning rate	1200 per second

OPERATIONAL EQUIPMENT (OPTIONAL)

- 12 station valve pack / HPU for auxiliary hydraulics
- Torque tool / manipulator / cutter / FMD / AXVX skid options
- Pipeline inspection / cable tracking skids
- Scientific sensor / sample collection skids
- Submarine rescue pod/threat detection options
- HD / stereo / PATZ / multi-beam / digital stills camera interfaces
- Type 2 cage Tether Management System
- Live boat winch / integral cabin & LARS options

ADDITIONAL SYSTEM OPTIONS

- 3000m Buoyancy set (60Kg payload)
- Additional payload buoyancy set (25kg)
- Digital Video and Survey Database options

OPERATIONAL SKIDS

Forum provides a range of operational skids* for each model of Observation ROV, including the following options:

- Pipeline Inspection (boom arms / TS440 etc.)
- Seabed Survey – multibeam / gradiometer / profiling sonars etc.
- IRM - Manipulator / Jetting / Dredging / Cutting / Cleaning
- Flooded Member Detection / AX,VX ring changeout
- Torque tool & verification unit
- Fluid Injection for BOP testing etc.
- Submarine rescue pod delivery
- Sample collection & storage / scientific instrumentation
- Bespoke skids to customer requirements

*Not all skids can be fitted to all model of vehicles

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.

Eclipse Group Inc.

1997 Annapolis Exchange Parkway, Suite 300

Annapolis, MD 21401, USA

Tel: +1 410 533 3041

www.eclipse.us.com

E-mail: sales@eclipse.us.com

Skype - ECLIPSEGROUPUS



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