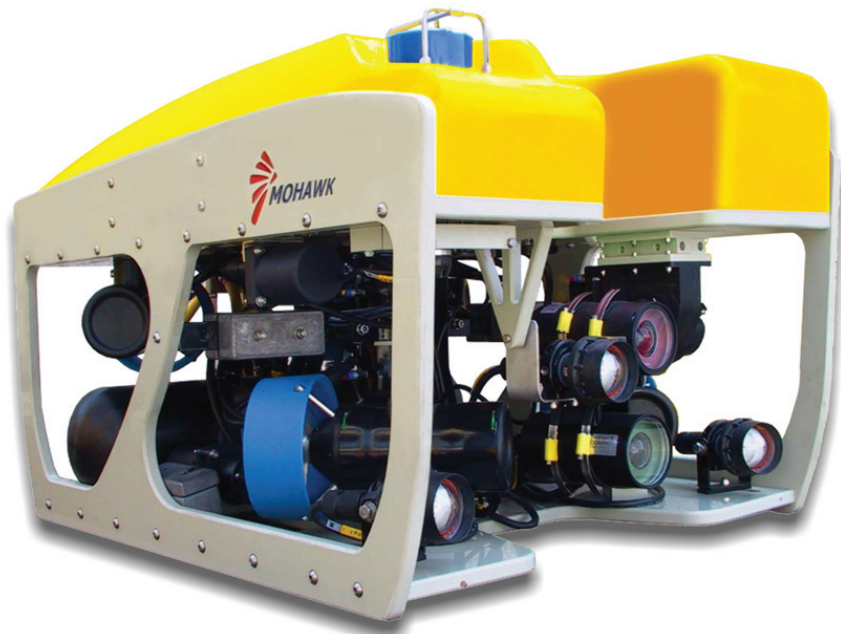


everything remotely possible™

**FORUM™**  
SUBSEA TECHNOLOGIES



## Mohawk™ Observation ROV

### Mohawk Observation Class ROV System

Mohawk is a robust, durable and compact ROV system designed for a full range of observation and light intervention tasks, 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
- Multiple video / telemetry channels as standard
- Up to 42Kg of payload (with shallow buoyancy set)
- IMR, navigation, survey, scientific and threat detection skids
- Manipulator and cleaning /cutting options
- Multiple video / telemetry channels as standard
- Deep water cage TMS option (1000m)
- Full Dynamic Positioning / Inertial Navigation options
- GigaByte Ethernet / CWDM options
- Various launch and recovery options

# Mohawk

## Observation ROV

Mohawk 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, scientific survey & data or sample collection, renewable energy projects, civil engineering and inland waterways.

### MOHAWK SYSTEM SPECIFICATION

Length	930 mm
Width	770 mm
Height	620 mm
ROV Depth Rating	2000m
Standard buoyancy depth	1000 m
Optional buoyancy depth	2000 m
Weight in Air (Kg)	165 Kg
Standard Payload	25 Kg
Shallow Payload	42 Kg
Power Required	440vAC 3ph 50/60Hz 7Kva
Thrusters Horizontal	150 mmØ
Thrusters Vertical	150 mmØ
Bollard Pull (Nominal)	
Forward	80 Kgf
Reverse	70 Kgf
Lateral	60 Kgf
Vertical	30 Kgf
Surface Speed (Nominal)	3.0 Kt = 1.5 m/s
Turning rate	120° per second

### STANDARD SYSTEM EQUIPMENT

- Dual 1 atmosphere electronics pods / subCAN control, protection & diagnostics system
- Camera Pan & Tilt Unit
- 1000m / 35Kg standard payload buoyancy

### OPERATIONAL EQUIPMENT (OPTIONAL)

- 6 station combined 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

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### CONTROL SYSTEM AND FEATURES

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

### TELEMETRY

- Single pass to three 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)

### ADDITIONAL SYSTEM OPTIONS

- 600m buoyancy set (35Kg 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.

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