

**UNDERWATER SOLUTION**

**CAJ**

YOUR LINK TO THE SUBSEA WORLD

# PANTHER XT SEMI-WORKCLASS ROV

## TECHNICAL SPECIFICATIONS



The Seaeeye Panther-XT is a development of the successful Seaeeye Panther and Panther Plus ROVs. The customisable Panther-XT is designed as the new Saab Seaeeye benchmark for electric work ROVs and challenges heavier and more costly hydraulic vehicles, particularly where deck space is at a premium.



With fibre optic video and data multiplexer included, the vehicles power has been doubled by increasing the supplied voltage from 250 to 500 volts

Apart from improving handling this enables the Seaeeye Panther-XT to accommodate a wider range of heavier duty tooling for work tasks including drill support, pipeline survey, salvage and IRM to depths of 1500 metres..

- Pre and post lay pipeline surveys
- Touch down monitoring
- Cable installation
- Drill support
- IRM
- NDT inspections
- Salvage operations etc.







PANTHER XT SEMI-WORKCLASS ROV

TECHNICAL SPECIFICATIONS

**Vehicle Dimensions**

Length 1.75m  
Height 1.22m  
Width 1.06m  
Weight 500kg  
Depth 1500msw  
Payload 110kg

**Power**

Propulsion 16Kva Tooling 11Kva

**Performance**

Fore/aft 180kg Lateral 125kg Vertical 110kg

**Speed**

Fore/aft 3.0 knots Lateral 2.8 knots

**Thrusters**

Seaeye SM7 500 brushless DC Motors  
- 4 x Vectored horizontal,  
- 2 x Vertical

**Manipulators**

1x 6 function HD6R with HD2040 12" grabber 1x 5 function HD5, 6" jaws, 360° rotator (36Nm)

**Pan & Tilt**

Electrical Tilt Unit, ± 90 deg Pan Unit ±135deg both units with positional feedback displayed on overlay.

**Cameras**

1 x Colour CCD Camera 1 x Low Light, Black & White Camera (optional – up to 4 video channels including zoom)

**Sensors**

Heading – gyro compass Pitch and roll, Depth, Altimeter, Sonar

**Lights**

System capacity up to 6 Standard capability 4 x 150W

**Telemetry**

Fibre optic multiplexer 4 x RS232, 2 x RS485 10/100 Ethernet (optional).

**Auto Functions**

Auto depth control Auto altitude control Auto heading control

**Tooling Skids/Packages**

Survey Skid: Comprising camera booms, 5F manipulator for CP or cleaning brush.  
Drill Support Package: Anvil Cable cutter, ax ring tool and water jet tool. Torque tool, Single point TDU

**Surface control system**

Microprocessor Operating system

**Power Requirements**

Launch and recovery System 37Kw / 440VAC / 50-60Hz, fed from a motor rated breaker  
Control Van 50Kw / 440VAC / 50-60Hz, fed from a motor rated breaker

**TMS**

TMS Type 8 Length 1.792m Width 1.491m Height 2.48m  
Tether Length 200m (up to 250m) Weight 0.95T (excluding ROV)

**Main Components**

Remotely Operated vehicle (ROV)  
Tether Management System (TMS)  
20ft Control Container / workshop (combined) or 15ft Control Container and 10ft Workshop.  
Integrated LARS: A-Frame incorporating winch and HPU.  
Typical Integrated A-Frame LARS: 5.3m x 2.75m x 3.2m (L x W x H) @ 19Te Suitable for use in a Hazardous Environment (Zone 2).