

# Seaeye Panther Plus



Compact Work-Class Remotely Operated Vehicle

## Work-Class ROV

The Panther Plus is a development of the highly successful Panther ROV. The Panther Plus has increased power, payload and dual manipulator capability constituting a true work-class ROV. The Panther Plus has 8 horizontal thrusters giving a forward thrust of 220kg and market leading handling abilities.

The **SAAB Seaeye** Services fleet of Panther ROVs have performed beyond all expectations in general drill support, completions, work-overs, pipeline survey, platform survey, light construction support, cable lay & plough support.

The **SAAB Seaeye** Services Limited Panther Plus ROVs are all deployed in a side entry garage Tether Management System (TMS) and, in their standard configurations are launched using a dedicated Crane Launch and Recovery Skid.

### Key Tasks:

- ROV Services
- Construction Support
- Platform Inspection
- Inspection, Repair and Maintenance
- Wind Farm Support



## Technical Specifications

### Vehicle Dimensions

Length	1.75m
Height	1.22m
Width	1.06m
Weight	500kg
Through frame lift	
Payload	45kg

### Performance

Fore/aft	220 kg
Lateral	170 kg
Vertical	80 kg

### Speed

Fore/aft	3.5 knots
Lateral	2.8 knots

### Power

Propulsion	16Kw
Tooling	9Kw

### 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

### Thrusters

Seaeye SM5 brushless DC motors	- 8 x Vectored horizontal - 2 x Vertical
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### Manipulators

1x 6 function HD6R with HD2040 12" grabber, 30kg lift @ 1.1m
1x 5 function HD5, 6" jaws, 360° rotator (36Nm), 40kg lift @ 0.8m, integral 19mm fibre rope cutter

### Pan & Tilt

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

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

Heading – gyro compass Pitch and roll Depth Altimeter Sonar
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### Lights

System capacity Up to 6 Standard capability 4 x 150W Max. capability
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### Telemetry

Fibre optic multiplexer
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### Auto functions

Auto depth control Auto altitude control Auto heading control
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### Interfaces

The unit provides the ability to fit:	Single Point TDU 3 x Cameras 4 x RS232 Devices 2 x RS485 devices Ethernet 10/100baseT (option)
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### Surface control system

Microprocessor Operating system
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