



FUGRO SEAEYE COUGAR-XT

The Seaeye Cougar-XT ROV is a compact, highly flexible and extremely powerful electric ROV capable of operating to a depth of 2000 metres.

The Cougar-XT is designed to accommodate a range of light tooling equipment via a system of quick-change underslung skirts, making it ideal for survey work; drill support; light construction projects and salvage support operations.

The Fugro Subsea Services Limited Cougar is deployed with a side entry garage Tether Management System (TMS) and launched using a dedicated A-Frame Launch and Recovery System (LARS).

The highly manoeuvrable design features four vectored horizontal thrusters that provide an excellent power : size ratio

making it the system of choice in strong tidal currents and is configured with deployment systems enabling operations to be undertaken to the full 2000m vehicle depth rating.

Standard Features:

- 2000m depth rating 80kg Payload
- Brushless 500V DC Thrusters. (4 vectored, 2 vertical)
- High Thrust to Weight ratio
- Fibre optic video channels
- 4 x LED lamps fitted. 600W is available
- 2 x Cameras on pan and tilt unit



Quick change underslung skirts allow the Cougar XT to perform a variety of light tooling or survey works.



The rugged polypropylene and stainless steel chassis is maintenance free.



SEAEYE COUGAR-XT

Technical Specifications

Vehicle Dimensions

Length	1.50m
Height	0.79m
Width	1.00m
Weight	409kg
Payload	80kg

Power

Propulsion	24kVA
Tooling	9kVA

Performance

Forward Thrust	170 kgf
Lateral Thrust	120 kgf
Vertical Thrust	110 kgf

Speed

Fore/aft	3.2 knots
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Thrusters

Seaeye SM7 brushless DC Motors	4 x Vectored horizontal, 2 x Vertical
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Pan & Tilt

Pan Unit ± 135 deg	
Both units with positional feedback displayed on overlay	

Cameras

1 x Colour Zoom Camera
1 x Low Light, Black & White Camera
1 x Rear facing light ring colour Camera (Optional - up to 4 video channels)
1 x TMS camera

Lights

System capacity up to 4 x 150W dimmable
Standard capability 4 x 150W

Telemetry

Fibre optic multiplexer	4 x RS232, 2 x RS485, 10/100 Ethernet (Optional)
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Auto Functions

Auto depth control
Auto altitude control
Auto heading control

Sensors

Heading- Gyro Compass	Accuracy $\pm 0.5\%$
Pitch and roll	
Depth	Accuracy $\pm 1\%$
Altimeter	
Kongsberg 1071 Sonar	

Surface control system

Microprocessor
Operating system

Power Requirements

100 kVA Inc LARS
3 Phase, 380-480VAC, 50-60Hz

TMS

TMS Type	Garage TMS type 8
Tether	up to 250m
Dimensions	1.79m x 1.49m
Weight in Water	996.2kg

Main Components

Remotely Operated vehicle (ROV)
Tether Management System (TMS)
20ft Control Container / workshop (combined)
Integrated LARS: A-Frame incorporating winch and HPU
Typical Integrated A-Frame LARS: 5.59m x 2.64m x 2.44m ((L x W x H) @ 15.2Te
Suitable for use in a Hazardous Environment (Zone 2).

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

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