ROVCO SUBSEA

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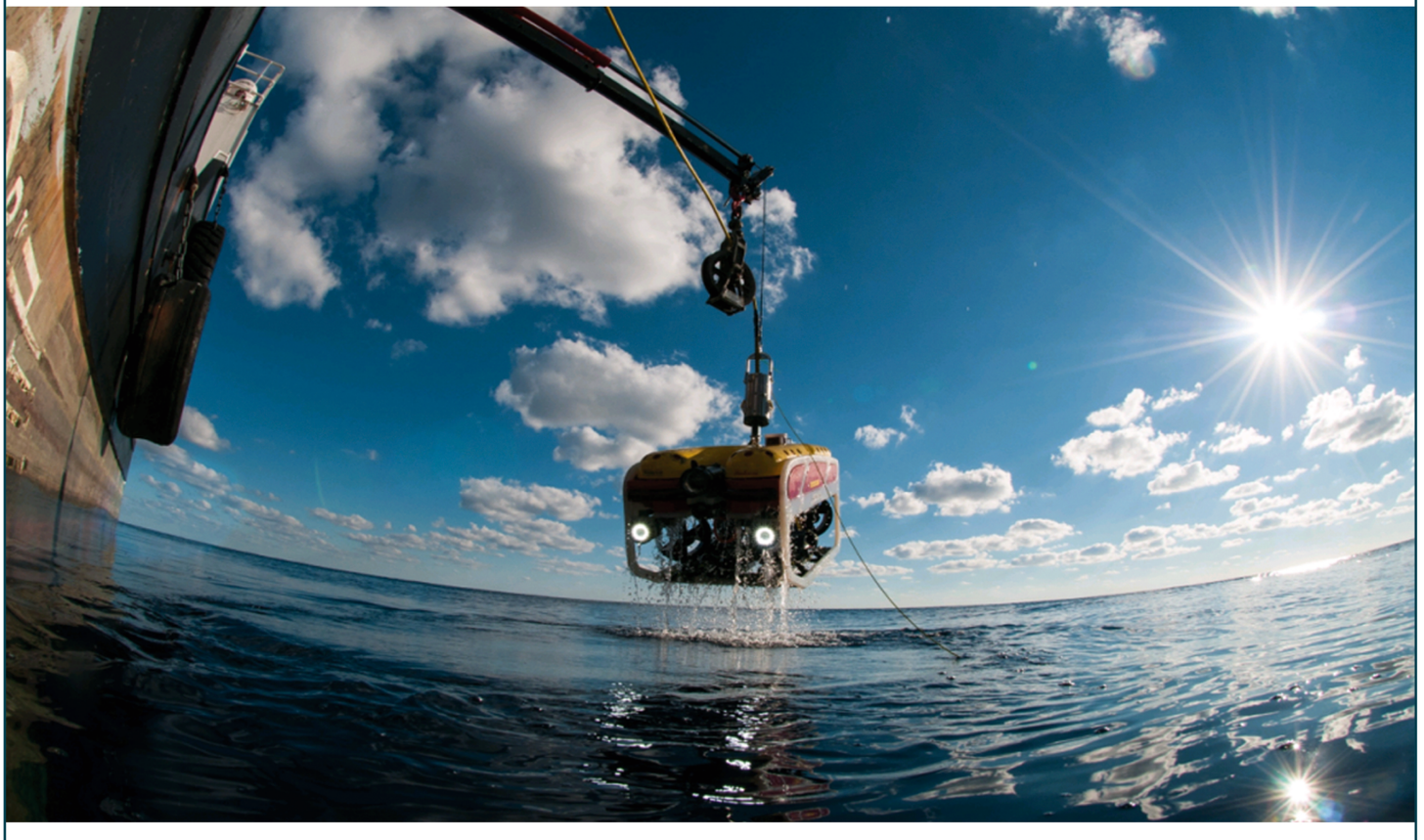
Seaeye Falcon/Falcon DR

Observation Class ROV



Features

- 300 or 1000m operating depth
- Excellent power to weight ratio
- Compatible with a variety of skids

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Standard Vehicle Weights/Dimensions/Depth

Weight in air	60kg
Dimensions LxWxH	100 x 60 x 50cm
Depth Rating	300m
Payload	14kg

DR Vehicle Weights/Dimensions/Depth

Weight in air	100kg
Dimensions LxWxH	106 x 60 x 64cm
Depth Rating	1000m
Payload	15kg

Vehicle Power/Performance

Horizontal	4 x 180mm vectored thrusters
Vertical	1 x 180mm thruster
Bollard Pull (Nominal)	
Forward	50Kgf
Lateral	28Kgf
Vertical	13Kgf

Vehicle Cameras/Lighting

Camera	Standard Definition Colour (SD)
	480 line/0.2 Lux
	180° tilt mechanism
Lighting	Two 75W dimmable lights

Vehicle Control/Navigation

Automatic Control	Heading
	Depth
	Altitude (Optional)
Heading and altitude sensors	Gyro
	Flux gate compass
Depth sensor	High-resolution digiquartz
Sonar	Various scanning or imaging

Optional Equipment

- Various multi-function manipulators
- Additional light
- Cathodic Protection Probe
- USBL Acoustic Transponders
- Image scaling systems
- Cleaning brush
- Wire rope cutter
- Various imaging and scanning sonars
- Altimeter
- Bespoke tooling/navigation skids

DR Upgrades

Fibre optic tether enables:

- Increased telemetry
- 1100m tether
- Three simultaneous video feeds
- 2x RS485 (1 spare) and 4x spare RS232 bi-directional channels
- Ability to use broadcast quality video cameras

- 1000m depth rating
- Lights are linked to camera tilt mechanism

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Details correct at time of print