



ROV SERVICES

SAAB Seaeye Falcon Inspection Class ROV

The Seaeye Falcon is a versatile, compact remotely operated vehicle (ROV) designed for observation and inspection in challenging underwater environments. Perfect for rig support and visual monitoring, it boasts a remarkable power-to-weight ratio and sets industry standards in its class.

Key features:

- Depth capability: Operates effectively down to 300 metres
- Propulsion system: Four vectored horizontal thrusters and one vertical thruster
- Payload capacity: Up to 14 kg
- Thrust output: 50 kgf
- Optional add-Ons: Cable tracking functionality



Design and build:

With a compact frame measuring 1000 x 500 x 600 mm, the Falcon is engineered for efficiency. It features powerful, electric vectored thrusters, a high-resolution tilt-enabled video camera, and 75-watt LED floodlights, ensuring excellent performance even in low-visibility conditions.

Enhanced capabilities:

Equipped with the Innovatum Smartrak 9 system, the Falcon enables precise cable and pipeline surveys comparable to those performed by larger, work-class ROVs. Its small, lightweight footprint makes it highly portable and easy to deploy in various operations.

Durable chassis:

The Falcon's chassis combines rugged polypropylene and stainless steel components, offering corrosion resistance, seawater compatibility, and zero maintenance requirements.

Reliable propulsion:

The Falcon's advanced MCT01 thrusters are magnetically coupled for efficient, oil-free operation. With no moving shaft seals, they ensure long-lasting reliability and minimal upkeep.

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Depth Rating (metres) 300

Dimensions

Length (mm) 1000

Height (mm) 500

Width (mm) 600

Weight in air (kg) 60

Payload (kg) 14

Thrust

Forward (kgf) 42

Lateral (kgf) 25

Vertical (kgf) 13

Speed (knots) >3

Power

Power input phases Single

Voltage (VAC) 110/230

Option Multi-beam sonar, HD camera,
manipulator, latch lock and
hydraulic umbilical winch

Frequency (Hz) 50/60

Battery Capacity (kWh) N/A

Endurance (km@2kts) Unlimited

DEEP TREKKER Revolution ROV



The Revolution is a completely re-imagined ROV. The patent-pending revolving head allows operators to rotate the camera, manipulators, and sonar all while station holding in moving water.

Spectis
Robotics

Depth rating up to
305m (1,000 ft)

Wheeled Pelican
case

Comprehensive
sensor integrations

260 degree
camera rotation

8 hour Battery -
including quick swap

Low
maintenance

4K camera
quality

Sonar and
positioning ready

Specification

General

- > Width: 440 mm (17.3")
- > Height: 235 mm (9.3")
- > Length: 717 mm (28.2")
- > Weight (in air): 26 kg (57 lb)
- > Body Material: Anodized Machined Aluminum, Carbon Fibre, Stainless Steel, & Buoyancy Foam
- > Window Material: Sapphire & Acrylic
- > Depth Rating: 305m (1000ft)
- > Operating Temp: -10°C to 50°C (14°F - 122°F)
- > Case (optional): Custom Pelican Air 1650, Handle and Wheels
- > Warranty: 1 Year - Parts and Labour (optional 2-3)

Electrical System

- > System Voltage: 22.2 VDC
- > Battery Run Time: Up to 8 Hours (30-sec Battery Change)
- > Battery Recharge: 3 Hours
- > Thruster Control: 6x Independent Control, Infinitely Variable, 100% Reversible

Lights and Camera

- > Video: UHD 4K - 3840X2160, 720p - 1280x720, 30FPS 0.001 Lux, 260° Total Range of View
- > Picture: JPG 8mp
- > Lights: High Efficiency LED, Fully Dimmable, 8,400 - 11,800 Lumens

Controller

- > Screen: 178 mm (7") Wide-Angle LCD
- > Controller: 16:9 Up to 4K Recording, Waterproof, Connectivity USB, SD, HDMI and Ethernet

Tether

- > Tether Diameter: 4.5 mm (0.18")
- > Tether Weight: Neutrally Buoyant in Water
- > Maximum Length: 800 m
- > Min Breaking Strength: 90 kg (200 lb)



Images shown may not be an exact representation of the features listed.

ROV SERVICES

Chasing M2 Pro Max

The Chasing M2 Pro Max is a professional-grade remotely operated vehicle (ROV) designed for complex underwater inspection, maintenance, and exploration tasks. Its advanced features and modular design make it an ideal choice for industries ranging from aquaculture and infrastructure inspection to underwater rescue and research.

Key features:

- Depth rating: Maximum operating depth of 200 meters
- Propulsion system: Eight robust thrusters for omnidirectional movement
- Payload capacity: Supports multiple modular add-ons
- Battery life: Up to 5 hours on a single charge
- Optional accessories: Robotic arm, sonar, and laser scaler



Compact and versatile design:

With its lightweight and portable frame, the M2 Pro Max is easy to transport and deploy. Its powerful eight-thruster configuration allows for seamless maneuvering in any direction, even in strong currents, ensuring precise control in challenging underwater environments.

Expandable functionality:

The M2 Pro Max supports a range of accessories, including a robotic arm for object retrieval, a sonar system for navigation in low-visibility conditions, and a laser scaler for measurement tasks. Its modular design enables users to customize the ROV for specific mission requirements.

High-performance build:

Built with corrosion-resistant materials, the M2 Pro Max is durable and well-suited for prolonged use in saltwater environments. Its efficient propulsion system and long battery life provide extended operational capability without frequent recharging.

Reliable and intuitive operation:

Equipped with a high-definition camera, powerful lighting, and an intuitive control system, the M2 Pro Max delivers crystal-clear imagery and precise handling, making it a trusted tool for professionals in various underwater industries.

Depth Rating (msw) 200

Dimensions

Length (mm) 482

Height (mm) 290

Width (mm) 327

Weight in air (kg) 7.5

Payload (kg) 1.5

Thrust

Forward (kgf) 6.4

Lateral (kgf) 6.4

Vertical (kgf) 6.4

Speed (knots) 3

Power

Power input phases Single

Voltage (VAC) 100/240

Option DC input supported, sonar and manipulator

Frequency (Hz) 50/60

Battery Capacity (kWh) N/A

Endurance (km@2kts) Unlimited