

SEAMOR 300F

The SEAMOR is a powerful, industrial inspection-class mini-ROV designed for a wide range of underwater challenges. High resolution imagery and bright illumination couple to provide high-quality images digitally captured using intuitive, precise ROV control.

Focus Industries

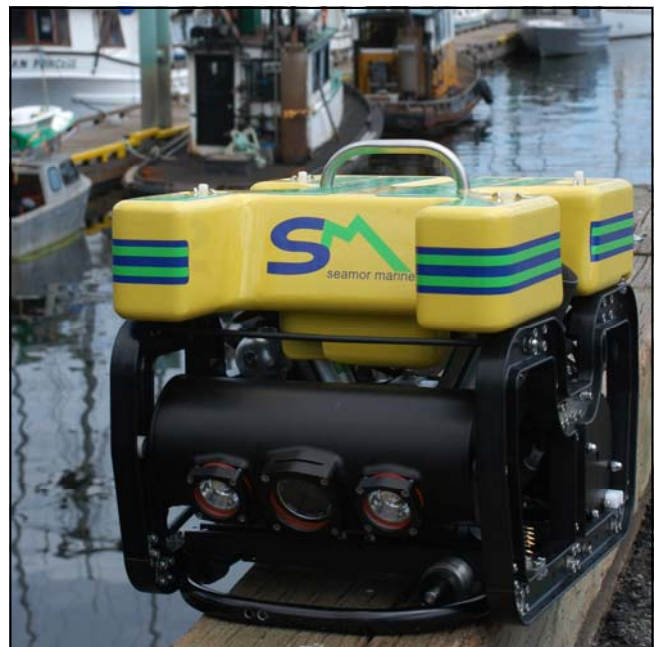
- Aquaculture
- Forensics/SAR
- Hydro Inshore
- Marine Security
- Offshore
- Pipeline Inspection
- Potable Water
- Recreational
- Research
- Structural Analysis
- Salvage Operations
- Hull Inspection

FEATURES

- Leak detectors give operators advanced warning of a problem, possibly preventing expensive repairs.
- Sonar allows operation in water so murky that navigation would be impossible with only cameras.
- 3D positioning and tracking system allows the operator to know the vehicle's position regardless of visibility conditions, and makes it easier to ensure coverage for inspection operations.
- Electric or manual wind tether reels for tether management.
- Integrated controller with LCD monitor and DVR
- Aux LED lighting for task specific illumination
- High Definition (HD) forward view camera for broadcast quality imagery available

Benefits

- Lightweight
- Open Frame & Modular Components
- Intuitive controller
- High resolution color, zoom camera
- Lights that tilt with camera
- Variable speed control/trim
- Remote & auto focus
- Depth rated to 1,000ft/300m
- Four powerful thrusters
- Auto Depth & Auto Heading
- Inspect laterally
- Customizable platform for tooling & sensors
- Delivered in four portable Pelican™ Cases



2525 McCullough Road, Unit 6&7, Nanaimo, BC, CANADA V9S 4M9
Tel : 1-250-729-8899 Fax : 1-250-729-8896 N.A. Toll Free No. : **1-888-729-8890**
E-mail : sales@seamor.com

www.seamor.com

SEAMOR 300F SPECIFICATIONS

Vehicle

Size (W X L X H)	14" X 18.6" X 14" 355mm X 472mm X 355mm
Weight in air	~45lb / 20kg
Construction	Aluminium and high impact ABS
Depth Rating	1,000 ft / 300m
Speed	Up to 3 knots
Power	750W max load



Thrusters

Horizontal	2x90w (150w optional)
Vertical/Lateral	2x90w (150w optional)
Thrust	~11 lb/5 kg per thruster



Forward Camera & Lights

Type	Color 1/4" CCD (FCB1X10A Sony)
Sensitivity	1.5 lux min.
Resolution	460+ TV lines (380,000 effective pixels)
Focus	Manual and Auto
Iris	Auto
Zoom	40:1 (10x optical, 4x digital)
Tilt Range	180 Degree
Lights	2x50W, variable intensity, tilt with camera



Aux. Camera

Type	Sony Color 1/4" CCD
Sensitivity	<0.5 lux
Resolution	380 TV Lines
Focus	Fixed
Iris	Auto
Lights	12 high intensity LED's, ON/OFF



Tether

Length	550ft/165m, 1100ft/335m standard Custom lengths up to 3,000ft/900m
Diameter	0.35"/9mm
Weight in water	Neutrally buoyant in fresh

Sensors

- Pressure/Depth
- Heading and Focus Length
- Leak and temperature alarms and indicator
- Thruster stall alarms and indicator
- 2 year limited warranty, spare thruster, tool kit, manual and general spares kit



Seamor 300F Options

- True HD FWD View Camera with ~2,000,000 effective pixels
- Up to 3 aux. cameras
- Tritech, BlueView or Imagenex sonar integration
- Tritech Micron Eco Sounder
- Manipulator/Gripper
- Custom umbilical lengths up to 3000ft/915m
- Tritech, LinkQuest or Desert Star Positioning
- LYNN video optimization in controller
- CYGNUS thickness gauge
- 1000 lumen aux. LED light modules
- Extended warranty (up to 5yrs.)

The Seamor 300 open frame platform and umbilical with 4 copper, 4 multi-mode fibres and 2 twisted pairs allow this ROV to be customized to suit your application and your specific needs.