

SEAMOR 600F4/6

The SEAMOR 600F4/6 comes with four high powered, horizontal vector thrusters; four vertical thrusters and a welded 6061 aluminum frame is designed to be an open frame tooling and sensor platform ready for customization. Using an umbilical with 4 fibres and 2 twisted pairs and optional power winch with auto level wind, this powerful, industrial inspection-class ROV comes ready for a wide range of underwater challenges in rough sea with the added benefits of high resolution imagery, intuitive control and durability.

Fly a Seamor and understand how we are putting your expectations into our ROV's.

Focus Industries

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

Benefits

- Rigid aluminum frame infrastructure
- High powered horizontal thrusters
- High impact open frame design
- Modular Components
- Intuitive controller
- High Res. 216x zoom color camera
- Optional reference lasers
- Lights that tilt with camera
- Customizable tooling and sensors
- Variable speed control/trim
- Remote & auto focus
- Depth rated to 2,000ft/600m

the image is **clear...**

FEATURES

- Crystal clear forward color imagery—optional HD forward view camera for 1080p broadcast quality imagery
- Up to 3 aux low light cameras for task specific mounting
- Compact power winch with auto level wind for ideal umbilical handling
- Customizable umbilical lengths
- Standard Tritech Micron DST or Imagenex 852 sonar whip
- Integrated controller with 19" LCD monitor and DVR
- 180° tilting high resolution zoom camera, lights and (optional) reference lasers—all tilting together
- Aux LED lighting for task specific illumination with high powered External LED module (2400 lumens each)
- Auto depth, heading and lateral inspection control
- Leak detectors and alarms for advanced warning



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SEAMOR 600F4/6 SPECIFICATIONS

Vehicle

Size (L X W X H)	30" X 26" X 19" 780mm X 650mm X 480mm
Weight in air	~150lbs / 68kg
Construction	T6061 Aluminum and UHMW
Depth Rating	2,000 ft / 600m
Speed (Min.)	Forward & Lateral: 3knots Reverse: 2 knots
Power	4,000W— 6,500W Max load

Thrusters

Horizontal	4 x 250W—750W
Vertical/Lateral Thrust	2 x 250W — 750W/ 2 x 250W—750W ~50 lbs/23 kg per direction

Forward Camera & Lights

Type	Color 1/4" CCD Sony Super-HAD Module
Sensitivity	<0.1lux
Resolution	530 TV lines (440,000 effective pixels)
Focus	Manual and Auto
Iris	Auto
Zoom	312:1 (26x optical, 12x digital)
Tilt Range	180 Degree
Lights	2x40W High Brightness LED Spot, variable intensity, tilt with camera

Aux. Camera (Optional)

Type	Sony B/W 1/4" CCD
Sensitivity	<0.0003 lux
Resolution	600 TV Lines
Focus	Fixed
Iris	Auto
Lights	8 high intensity LEDs with dimmer



Umbilical

Length	2200ft/670m standard Custom lengths up to 6500ft/2000m
Diameter	0.45"/12mm
Weight in water	Neutrally buoyant in fresh
Tether Mgmt	Manual reel (std) electric (optional)

Sensors and Other

- Pressure/Depth/Heading/Pitch/Roll
- Leak and temperature alarms and indicator
- Thrusters stall alarms and indicator
- 2 year limited warranty. Fully transferable.
- Spare thrusters, tool kit, manual and general spares kit



Controller and Power Supply



6500ft AC Powered Winch with Auto Level Wind

Seamor 600F Options

- True HD FWD View Camera with ~2,000,000 effective pixels
- Up to 3 aux. cameras
- Pan and Tilt Camera Available
- Tritech, BlueView or Imagenex sonar integration
- Sound Metrics DIDSON sonar (25 frames per second) integration with optional P/T
- Multi-Functions Manipulator/Gripper
- Custom umbilical lengths up to 6500ft/2000m
- Tritech, LinkQuest or Desert Star Positioning
- LYNN video optimization in controller
- CYGNUS thickness gauge
- 2400 lumen each aux. LED light modules
- Extended warranty (up to 5yrs.)

The Seamor 600F4/6's 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.