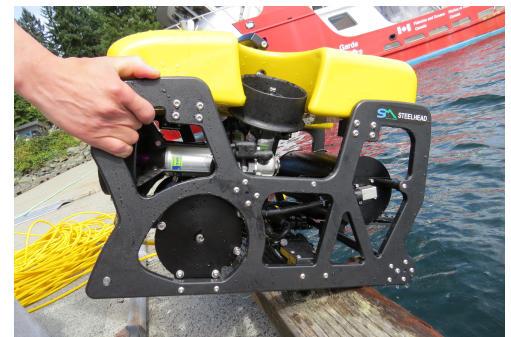




Steelhead ROV



The **Steelhead** inspection-class ROV is a portable, lightweight and stable underwater system that is easily operated through intuitive flight controls. Its small profile allows this vehicle to inspect confined spaces and be easily stowed.

The compact **Steelhead** is easily deployed and recovered from small vessels and docks - no need for hoists or cranes. A standard definition NTSC/PAL camera, optimized for lowlight conditions provides the ROV operator with quality video. "Out of the box" features include an integrated controller and LCD monitor module with auto depth, auto heading, a digital video recorder and much more.

FEATURES

- Intuitive controller
- Broadcast-quality colour, zoom camera
- Variable speed & directional ROV control
- Integrated controller with LCD monitor
- Digital Video Recorder (DVR)
- Manual and automatic camera focus control
- Depth-rated to 300 m (1000 ft)
- Auto depth, auto heading functions
- Four (4) powerful thrusters
- Leak detection warning system
- Tether-launchable

SEAMOR Marine Ltd.

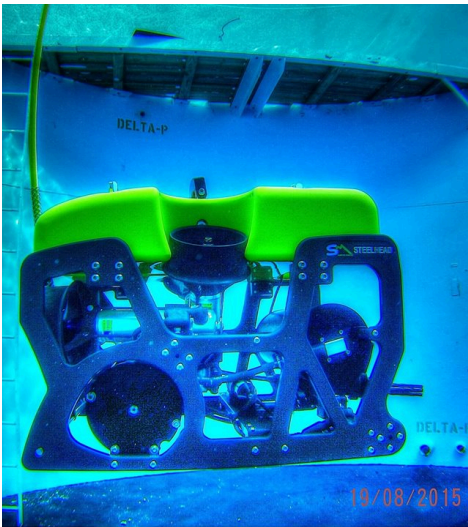
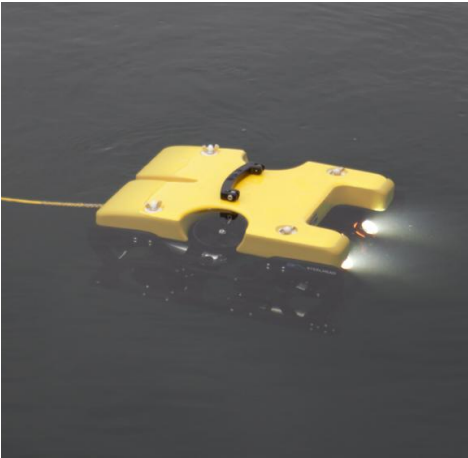
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- OPTIONS**
- Power reel attachment
 - Sonar integration
 - USBL integration
 - SEAMOR auxiliary LED lights
 - Dual-function gripper (open/close and jaw rotation) and/or cutter
 - Altimeter with auto altitude control

VEHICLE DIMENSIONS & ATTRIBUTES

Depth Rating	300 m (1,000 ft)
Size (L x W x H)	502 mm x 384 mm x 373 mm (19.8" x 15.1" x 14.7")
Diagonal	515 mm (20.3")
Weight in air	~ 21 Kg (47 lbs) (standard vehicle trimmed for fresh water)
Construction	Anodized aluminum, stainless steel, syntactic foam and marine-grade polymers

THRUSTERS

Configuration	Two (2) horizontal and two (2) vertical/lateral thrusters Built-in short-circuit protection on each channel
Speed	1.75 knots (dependent on environment and configuration)

FORWARD CAMERA AND LIGHTS

Format	NTSC or PAL (full broadcast-quality)
Focus	Manual and Automatic
Zoom	3x optical, up to 32x total zoom
Tilt Range	+/- 90 degree rotation
Lights	Two (2) x 1,500 lumens (3,000 lumens) dimmable high-intensity LED
Lasers	Optional parallel green lasers on 150 mm (6") baseline for scale reference

AUXILIARY CAMERA AND LIGHTS

Type	Colour or Black & White, low light
Format	NTSC or PAL
Focus	Fixed
Lights	Two (2) X 1,500 lumens (3,000 lumens total) on/off control

TETHER

Length	165 m (540 ft) standard starting length; 335 m (1,100 ft) standard long length; on manual reel. Other lengths available upon request.
Diameter	10 mm / 0.4" (nominal)
Breaking strength	700 kg f, Kevlar reinforced
Weight in water	Neutrally buoyant in fresh water

SENSORS

Pressure / Depth	
Compass heading	
Pitch and roll	
Dedicated leak and temperature sensors in both the electronics and camera canisters	

CONTROL SYSTEM

Pelican Case mounted controller
Built-in 15" LCD monitor
Digital video recorder included
Video overlay: depth, heading, auto-depth, auto-heading, pitch/roll, tether turns counter, date & time