

# SEAMOR *STEELHEAD* ROV

The STEELHEAD inspection-class ROV is a portable, lightweight and stable underwater system that is easily operated through intuitive flight controls. A 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 low light conditions, provides the ROV operator with quality video. “Out of the Box” features include an integrated controller and LCD monitor module that contains Auto Depth, Auto Heading, a Digital Video Recorder and much more.



## Focus Industries

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

## Options

- Electric wind tether reel
- Sonar integration
- 3D positioning and tracking system integration
- Auxiliary LED lighting
- Gripper and/or Cutter

## Features

- Intuitive controller
- High resolution color, zoom camera
- Lights that tilt with camera
- Variable speed & directional ROV control
- Integrated controller with LCD monitor & Digital Video Recorder (DVR)
- Manual & auto camera focus
- Depth rated to 300m/1,000ft
- Four powerful thrusters
- Auto Depth, Auto Heading functions
- Leak detectors

## Benefits

- Lightweight and portable
- Minimal electrical power requirements (110-240 VAC)
- Can be operated from the shore, a dock or a relatively small boat
- Can be readily deployed, operated and recovered by one person
- Easy to operate
- Open Frame & Modular Components
- Rugged construction
- Delivered in four portable Pelican™ Cases



Aaron Edis, Electrical Engineer @ Seamor Marine

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## SPECIFICATIONS

### Vehicle

Size (W X L X H)	15.1" X 19.8" X 14.7" 384mm X 502mm X 373mm
Weight in air	~47lb / 21kg (Standard vehicle trimmed for FW)
Construction	Aluminium, Stainless Steel and Marine Grade Polymers
Depth Rating	300m/1,000 ft

### Thrusters

Horizontal	2 x 150w
Vertical/Lateral	2 x 150w
Thrust	~11 lb/5 kg per thrusters

### Forward Camera & Lights

Type	Color 1/4" CCD (FCBIX11A Sony)
Sensitivity	1.5 lux min.
Format/Resolution	NTSC: 470 TV lines, PAL: 460 TV lines
Focus	Manual and Auto
Iris	Auto
Zoom	10:1 (10x optical)
Tilt Range	180 Degree
Lights	3,000 lumens (2 lights with dimming control)

### Aux. Camera

Type	Color
Sensitivity	<1.0 lux
Format	NTSC or PAL
Focus	Fixed
Iris	Auto

### Aux. Light

Brightness	1,000 lumens (on/off control)
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### Tether

Length	165m/540ft stand. length (longer lengths available)
Diameter	10mm/0.4in
Weight in water	Neutrally buoyant in FW

### Sensors

- Pressure/Depth
- Compass Heading and Focus Distance
- Thruster over-current protection
- Leak and temperature alarms & indicator
- Pitch and Roll



**\*\*\*2 year limited warranty, spare thruster, tool kit, manual and general spares kit are included with every system.**