



## 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 & 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

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& VERSATILITY.**



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## DIMENSIONS & ATTRIBUTES

<b>Depth Rating</b>	300 m (1,000 ft)
<b>Size (L x W x H)</b>	502 mm x 384 mm x 373 mm (19.8" x 15.1" x 14.7")
<b>Diagonal</b>	515 mm (20.3")
<b>Weight in Air</b>	21 Kg (47 lbs) (standard vehicle trimmed for fresh water)
<b>Construction</b>	Anodized aluminum, stainless steel, syntactic foam & marinegrade polymers

## THRUSTERS

<b>Configuration</b>	2 horizontal & 2 vertical/lateral thrusters, built-in short-circuit protection on each channel
<b>Speed</b>	1.75 knots (dependent on environment & configuration)

## AUXILIARY CAMERA & LIGHTS

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

## TETHER

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

## FORWARD CAMERA & LIGHTS

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

## 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

## SENSORS

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

## OPTIONS

- > Aux Camera
- > High brightness monitor
- > Extra monitor in power supply case
- > Aux float that will add extra payload (1.5lbs/0.7kg)
- > Hand-held controller
- > Laser
- > Sonar integration
  - Imagenex 852 Sonar
  - Tritech Micron DST sonar
  - Tritech Micron Echosounder
  - Tritech Gemini 720im
- > USBL integration
- > Tritech MicronNav USBL
  - MicroNav USBL GPS antenna option
- > SEAMOR Auxiliary LED lights
- > Dual-function gripper (open/close & jaw rotation) &/or cutter
- > Altimeter with auto altitude control