



SEAMOR CHINOOK ROV



The **CHINOOK** is an industrial grade inspection ROV with a wide range of capabilities. Explore depths of 300 m (1,000 ft) with the standard vehicle or 600 m (2,000 ft) with the deep water version.

A true workhorse, the **CHINOOK** offers a stable platform yet remains compact. With its small profile, the **CHINOOK** can operate in tight places and is easily stowed when not in use. Multiple handles and frame cross members allow two people to handle this ROV with ease.

For greater versatility, customize your **CHINOOK** by adding accessories such as extra thrusters, navigational and searching aids, manipulators, tool skids and more.

BENEFITS

- Lightweight and portable
- Runs off of standard mains AC (110 or 240 VAC)
- Can be operated from the shore, a dock, or a relatively small boat
- Easy deployment, operation and recovery
- Open frame and modular components
- Rugged construction; field-repairable twisted pair tether, or, high-bandwidth fiber-optic tether
- Delivered in four portable Pelican™ cases
- Customizable platform for tooling and sensors
- **UPGRADES AVAILABLE:** Scanning sonar, multibeam sonar, and more!

TARGET INDUSTRY USES

- Aquaculture
- Forensics/Search and Recovery
- Hydro Dam Inspection
- Marine Security
- Pipeline Inspection
- Potable Water
- Recreational
- Marine Research
- Structural Analysis
- Salvage Operations

FEATURES

- Intuitive controller
- High-resolution color, 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) or 600 m (2,000 ft) with deep-water model
- Up to six (6) powerful thrusters
- Auto depth, auto heading functions
- Leak detection warning system
- Tether-launchable

OPTIONS

- Electric wind tether reel
- Sonar integration
- 3D positioning and tracking system integration
- Auxiliary LED lighting
- Dual-function gripper (open/close and jaw rotation) and/or cutter
- Skid-mount instrumentation or tooling platforms
- CT / UT probe integration
- Auto altitude



SEAMOR CHINOOK ROV



SPECIFICATIONS

VEHICLE DIMENSIONS & ATTRIBUTES

Depth Rating	300 m (1,000 ft) or 600 m (2,000 ft) with deep water model
Size (L x W x H)	686 mm x 384 mm x 406 mm (27" x 15.1" x 16")
Diagonal	533 mm (21")
Weight in air	~ 33 Kg (72 lbs) (6-thruster vehicle trimmed for fresh water)
Construction	Anodized aluminum, stainless steel, syntactic foam and marine-grade polymers

THRUSTERS

Configuration	Two (2) or four (4) horizontal and two (2) vertical/lateral thrusters
	Built-in short-circuit protection
Speed	2 knots (dependent on environment and operation)

FORWARD CAMERA AND LIGHTS

Type	Colour 1/4" CCD (FCBIX11A(P) Sony)
Sensitivity	1.5 lux minimum
Format	NTSC or PAL (full broadcast-quality SD resolution)
Focus	Manual and Automatic
Zoom	10x optical
Tilt Range	+/- 90 degree rotation
Lights	two (2) x 1,500 lumens (3,000 lumens) dimmable high-intensity LED

AUXILIARY CAMERA AND LIGHTS

Type	Color
Sensitivity	< 1.0 lux
Format	NTSC or PAL
Focus	Fixed
Lights	two (2) X 1,500 lumens (3,000 lumens total) on/off control

TETHER - Available in twisted pair or fiber optic configurations

Length	335 m (1,100 ft) standard starting length; max. std. length 625 m (2,050 ft) on manual reel
Diameter	10 mm / 0.4 inches
Breaking strength	700 Kg f, Kevlar reinforced
Weight in water	Neutrally buoyant in fresh water

SENSORS

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

CONTROL SYSTEM

Pelican Case™ mounted controller
Built-in 19" LCD monitor and digital video recorder
Video overlay: depth, heading, auto-depth, auto-heading, pitch/roll, turns counter, date & time

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