



# Chinook ROV



The **Chinook** is an industrial grade inspection ROV with a wide range of capabilities. Explore depths up to 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/searching aids, manipulators, tool skids and more.

## 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

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## OPTIONS

- HD video
- Power reel attachment
- Sonar integration
- USBL integration
- SEAMOR auxiliary LED lights
- Dual-function gripper (open/close and jaw rotation) and/or cutter
- Interchangeable skid-mounted instrumentation or tooling platforms
- CT and UT probe integration
- Altimeter with auto altitude control

## 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 on each channel
Speed	2 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 - Available in twisted pair or fiber optic configurations

Length	335 m (1,100 ft) standard starting length; max. std. length 500 m (1,640 ft) for twisted pair; 625 m (2,050 ft) for fiber optic, on manual reel
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