

DEEP TREKKER DTX-2 VECTORED THRUST ROV



Built on the proven DTG2 platform, the DTX2 performs in your challenging environments. Depth rated to 305 m with robust vectored thrusters to move laterally and work in currents.

It doesn't look like ROVs because it's not like other ROVs. The rugged, robust Deep Trekker DTX2 was designed with tough jobs in mind, but with intense attention given to the user experience. Taking its cues from larger ROVs, the DTX2 brings all of the functionality required for difficult jobs, but without the usual complexity. Building on the proven DTG2 platform, Deep Trekker offers unparalleled ease of use and simplistic sophistication. Powered by on-board rechargeable batteries, this 16V system offers many advantages over the typical top side powered ROVs. The on-board batteries reduce tether diameter and eliminate power losses through long power feeds. A smart charger simply plugs into the back of the ROV when back on shore and indoors. On-board sensors monitor the motor's status and will immediately cut power if there is a fault. Additional sensors track the battery and warn the operator of low levels. A low battery is not of any concern as the ROV can simply be pulled out of the water with the tether. Normal battery life is 3-4 hours of run time with a recharge time of 3 hours. Deep Trekker can be out of the box and operational in less than a minute.

The DTX2 is built to last with housings made of anodized and powder coated die cast aluminium, the DTX2 can take a beating, but not break the bank. The 4 vectored thrusters have best in class thrust force for working together to efficiently perform your most difficult inspections.

The DTX-2 sensor package allows the ROV pilot to set auto depth and auto heading, as well as to see water temperature, compass heading, remaining battery, ROV pitch and roll, depth, and camera angle

Deep Trekker's patented pitching system is combined with powerful vectored thrusters for unprecedented flexibility and movement in the water. Forward, reverse, up, down, and lateral movements are available in 360 degree vertical and horizontal planes using only 4 thrusters. Vertical movements are accomplished using the main thrusters instead of relying on substandard vertical thrusters, providing unmatched speed & manoeuvrability.

High powered rare earth magnetic couplers means there are no dynamic seals on this system, for maximum leak protection. A 700HD line colour camera rotates from the centre of the ROV to take advantage of the centre window and gives the operator a 270 degree vertical field of view. The camera is tracked by a high intensity LED light and supplemented by 4 LED floodlights. This feature allows the operator to look in any direction whether it be straight up at the hull of a boat or straight down at the seabed while driving forward.

Commanding the DTG2 is simple using the lightweight controller, designed to resemble the ergonomically proven gaming pad to ease the learning curve normally required to pilot ROVs..

This package can be completely customized to fit your inspection needs. Contact us today to design your ideal package. Popular add-ons include the **Two-Function Grabber Arm, TriTech Micron Sonar, and Auxiliary Cameras**

Sensors included:

- Heading (degrees)
- Depth (meters)
- Water Temperature (degrees C)
- Pitch (degrees)
- Roll (degrees)
- Camera Angle (degrees)
- Turns Counter
- ROV Hour Counter (hours)
- Battery Level Controller (%)
- Battery Level ROV (%)
- Added ROV Intelligence
- Auto-Heading
- Auto-Depth
- Display Text overlay to live video screen
- Depth Rating 305m
- Operating Temperature -5 C to 40 C

Supplied with:-

- Integrated Screen Controller with 150m Tether (standard options to 400m)
- Sensor Package with Auto Heading and Auto Depth
- Smart chargers
- Buoyancy weight set
- Operator manual
- 2 robust Carry Cases
- Heavy duty reel with bearings and electrical slip ring for easy tether management
- Integrated Super bright Screen Controller
- 2 Year Warranty



View the depths on this unbelievably clear screen, up to 4 times brighter than conventional monitors for optimum viewing outdoors, even in bright sun!

Don't struggle with ROVs whose only viewing option is traditional monitors or portable devices that are nearly impossible to see in the sunshine! The easy to master Deep Trekker DTG2 micro-ROV combines the picture from a 700HD camera and this new viewing system

Deep Trekker may be supplied with a range of accessories including; digital video glasses, USBL positioning, sonar, additional lighting, thickness gauge, crawler wheels, sediment samplers, laser scaler. Please contact us for details.