



# Oceanus Pro<sup>\*</sup>

## Remotely Operated Vehicle

### Superior performance and functionality with added flexibility to upgrade and accessorize ROV

- Unparalleled control system and superior thruster performance delivers fully vectorized ROV maneuverability (Lateral ROV movement axis standard)
- High output submersible with speeds of 6 knots\*
- Depth rating of 305 m (1000 ft)
- Optional MarineNav Fleet Management Suite reports status and health of ROV remotely for full tracking of one or multiple units
- MarineNav's Oceanus multi-port communication system allows rapid integration of third-party accessories, software and external processors
- 500GB solid state drive topside
- Optional wireless Broadcasting feature allows operator screen sharing to multiple parties
- Ships with marine grade aluminum constructed Oceanus Joystick, configured for superior ROV control
- Touch-sensitive user interface provides control of all important ROV functions
- 2 year warranty†

SPECIFICATIONS – OCEANUS PRO	
<b>Certifications</b>	ISO 9001: 2015, built to meet IEC 60945 standards
<b>Operating Environment</b>	Fresh or salt water, 0-50°C (32-122° F)
<b>Depth Rating</b>	305 m (1000 ft)
<b>Maximum Speed *</b>	6 kn <i>*Maximum speed test conducted with ROV fitted with Performance Float Block and absence of all ballast weights</i>
<b>Topside Unit Weight</b>	18.6 kg (41.0 lbs)
<b>ROV Weight</b>	17.3 kg (38.1 lbs) □ Estimated dry weight
<b>Approximate Total Shipping Weight†</b>	45.81 kg (101 lbs) <i>†Choice of available options will change overall shipping weight</i>
<b>ROV Dimensions</b>	578 mm (22.76") long, 412 mm (16.22") wide, 285 mm (11.22") height
<b>Topside Unit Housing Material</b>	Ultra high density polyethylene, neoprene o-ring and ABS latches
<b>ROV Housing Material</b>	Marine grade aluminum, Upgrades of optional anodized marine grade aluminum, protective coating available
<b>Lights</b>	2 x 1500 Lumen front Option of 4 x 1500 Lumen front lights available
<b>Cameras</b>	Internal Front: 1080p with tilt control
<b>Camera Tilt Angle</b>	+/- 75° Pitch (vertical rotation)
<b>Camera Focus Range</b>	From the face of the housing dome to infinity with manual control
<b>Camera Field of View</b>	120° field of view
<b>Primary LCD Display</b>	15" TFT active matrix panel, 1600 nits brightness (full daylight readable), 1024 x 786 resolution. Optional 2000 nits available
<b>Secondary LCD Display</b>	10.1" TFT Touch active matrix panel, 1000 nits brightness (full daylight readable), 1280 x 800 resolution
<b>Video Output</b>	HDMI video output
<b>Data Storage</b>	500 GB solid state drive topside, 120 GB solid state ROV
<b>Topside Unit Software OS</b>	MarineNav Proprietary Software Interface, Linux OS
<b>IMU (Sensors)</b>	Always on, Integrated with accelerometer & magnetometer measuring telemetry including tilt, roll, pitch, and heading, auto heading, auto depth functionality
<b>Depth Gauge</b>	Calibrated in meters or feet (user selectable)
<b>Topside Power</b>	Input: 100/240 V AC 50/60 Hz, System fully operational in 60 seconds
<b>ROV Power</b>	Power over tether
<b>ROV Control</b>	MarineNav Oceanus Joystick with dial depth control (IP 65)
<b>Topside Control Case</b>	Rugged waterproof case, transport requires one person, IP 65 when closed, IP 62 when open
<b>On-Screen Display (OSD)</b>	Real-time data including recording time, voltage, water temperature, depth, date/time stamp, heading and attitude is overlaid or embedded with video, Operator input lines available as, GPS co-ordinates displayed as overlay option when paired with accessory, enabled data entry field with customized logo available
<b>Settings</b>	Internally saved, persist through power cycles
<b>Wireless</b>	Optional Wi-Fi video broadcast to multiple devices simultaneously via integrated antenna, Wireless specification 802.11 ac/b/g/n on 2.4/5 GHZ
<b>Tether System</b>	Optional rapid deployable, neutrally buoyant tether with water-tight cable connections, optional tether deployment system available
<b>Tether Length</b>	500 m (1640.4 ft) maximum tether length
<b>Available Accessory Attachments + ◇</b>	Single axis manipulator arm, 360° Rotating manipulator arm, USBL, Hull crawler, Metal thickness gauge, Positioning & tracking system (above water), Sonar, Trittech MicronDST, Trittech T20im, Trittech T20ik, Blueprint Subsea Oculus

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# MARINENAV

**BUILT NORTH ATLANTIC TOUGH.  
TRUSTED EVERYWHERE.**



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\* Oceanus Pro ROV pictured with standard float-block, standard 15" standard TFT active matrix display, standard Oceanus Joystick and ROV with optional 4 x 1500 Lumen front lights. Topside control case depicts optional 4 USB ports and optional hinged support strut.

† Two year warranty is available to MarineNav Oceanus ROV registered within the first year of purchase. For warranty to be valid all scheduled maintenance must be adhered to according to manufacturers guidelines. Warranty excludes tampering, misuse and regular wear. While we strive to ensure the accuracy of all items and descriptions in this document, this is not always possible. Specifications, options, and availability are subject to change without notice. Errors and omissions excepted. We reserve the right to limit quantities.

+ Some accessories require use of the MarineNav multi port communication system.

◇ Oceanus ROVs may exceed recommended depth ratings of available accessories. Consult manufacturer specifications for all accessories prior to use.

MarineNav Ltd. is an ISO 9001:2015 certified company. Our certified Quality Management System ensures that each unit we produce adheres to the strictest standards and complies with customer requirements.