



# Oceanus Pro

## Remotely Operated Vehicle

### Workhorse ROV with expanded features and options for demanding conditions

- High output submersible allows 5 knot speeds
- MarineNav Fleet Management Suite reports status and health of ROV remotely for full tracking of one or multiple units
- Wireless Broadcasting feature allows operator screen sharing to multiple parties
- Multiple cameras standard
- IP64 protection standard against harsh weather conditions
- 2 year warranty<sup>†</sup>

**MARINENAV**

Built North Atlantic Tough  
Trusted Everywhere



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## Specifications

<b>Certifications</b>	ISO 9001:2008 IEC 60945, items 8.2, 8.3, 8.4, 8.7, Paragraphs 9 & 10 EMC
<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>	5 kn
<b>Topside Unit Weight</b>	14.1 kg (31.0 lbs)
<b>ROV Weight</b>	15.7 kg (34.6 lbs)
<b>Total Shipping Weight</b>	29.8 kg (65.6 lbs)
<b>Dimensions</b>	581 mm (22.88 inches) long, 380 mm (14.96 inches) wide, 275 mm (10.2 inches) height
<b>Topside Unit Housing Material</b>	Ultra High Impact structural copolymer, neoprene o-ring and ABS latches
<b>ROV Housing Material</b>	Marine grade anodized aluminum, Upgrade of protective coating option available
<b>Lights</b>	4 x 1500 Lumens front, 2 x 1500 Lumens rear
<b>Cameras</b>	Internal Front: 1080p with tilt control, Internal 1080p fixed, Simultaneous viewing possible
<b>Camera Tilt Angle</b>	+/- 75° Pitch (vertical rotation)
<b>Camera Focus Range</b>	From the face of the housing dome to infinity
<b>Camera Field of View</b>	120° field of view
<b>Primary LCD Display</b>	15" TFT active matrix panel with LED back-light, back-lit display controls, 2000 nit (full daylight readable) brightness, 1024 x 768 resolution
<b>Secondary LCD Display</b>	10.1" TFT Touch active matrix panel with LED back-light, back-lit display controls, 1300 nit (full daylight readable), 1280 x 800 resolution, optional 2000 nit brightness
<b>Topside Unit Software OS</b>	Linux OS, option of Windows 7 or Windows 10
<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), 0.1 units (meters or feet) accuracy
<b>Top Side Case</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>	IP 67 Water-tight, manual ROV joystick/knob control with topside unit, wireless joystick included
<b>Control Panel Case</b>	Waterproof Pelican case, transport requires one person, IP rating of 65
<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, 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>	WiFi video broadcast to multiple devices simultaneously via integrated antenna, Wireless specification 802.11 ac/b/g/n on 2.4/5 GHz
<b>Tether Deployment System</b>	Rapid deployable, neutrally buoyant tether with water-tight cable connections, optional tether deployment system available
<b>Tether Length</b>	304.8 m (1000 ft) maximum tether length
<b>Available Options</b>	360° Rotating manipulator arm, Hull crawler, Metal thickness gauge, Positioning & tracking system (above water), Sonar, Tritech MicronDST, Tritech T20im, Tritech T20ik, Blueprint Subsea Oculus <sup>◇</sup>

<sup>†</sup> Two year warranty is available to MarineNav Oceanus Pro 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.

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

MarineNav Ltd. is an ISO 9001:2008 certified company. Our certified Quality Management System ensures that each unit we produce adheres to the strictest standards and complies with customer requirements.