



Oceanus

Remotely Operated Vehicle

Commercial level performance in an economy package

- 1080p HD video standard
- Sonar ready unit
- Lateral ROV movement axis standard
- On-board battery power for quick setup and operations
- IP65 protection standard against harsh weather conditions
- 2 year warranty[‡]

MARINENAV

Built North Atlantic Tough
Trusted Everywhere

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Specifications

Certifications	ISO 9001: 2008 IEC 60945, items 8.2, 8.3, 8.4, 8.7, Paragraphs 9 & 10 EMC, IP65
Operating Environment	Fresh or salt water, 0-50°C (32-122°F)
Depth Rating	100 m (328 ft)
Maximum Speed	4.5 kn
Topside Unit Weight	7.4 kg (16.4 lbs)
ROV Weight	15.9 kg (35 lbs)
Total Shipping Weight	23.3 kg (51.4 lbs)
Dimensions	505 mm (19.88 inches) long, 380 mm (14.96 inches) wide, 275 mm (10.2 inches) height
Topside Unit Housing Material	Ultra High Impact structural copolymer, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade anodized aluminum
Lights	2 x 1500 Lumens front
Camera	Internal front: 1080p with tilt control
Camera Tilt Angle	+/- 75° pitch (vertical rotation)
Camera Focus Range	From the face of the housing dome to infinity
Camera Field of View	120° field of view
Primary LCD Display	12" TFT active matrix panel with LED back-light, back-lit display controls, 500 nit brightness, 1024 x 768 resolution, optional 10" hi-brite display, 1000 nit brightness
Secondary LCD Display	10.1" TFT touch active matrix panel with LED back-light, back-lit display controls, 500 nit brightness, 1280 x 800 resolution, optional 2000 nit brightness
Topside Unit Software OS	Linux OS, option of Windows 7 or Windows 10
IMU (Sensors)	Always on, Integrated with accelerometer & magnetometer measuring telemetry including tilt, roll, pitch, and heading, auto heading, auto depth functionality
Depth Gauge	Calibrated in meters or feet (user selectable), 0.1 units (meters or feet) accuracy
Top Side Case	Input: 100/240 V AC 50/60 Hz, System fully operational in 60 seconds
ROV Power	DC Battery @ 18 Amp 4 Hour Duty Cycle *1 (8 hour Duty Cycle @ 25%)
ROV Control	Wireless joystick, optional IP65 joystick
Control Panel Case	Waterproof Pelican case, transport requires one person, IP rating of 65
On-Screen Display (OSD)	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
Settings	Internally saved, persist through power cycles
Wireless	None
Tether Deployment System	Rapid deployable, neutrally buoyant tether with water-tight cable connections
Tether Length	137.1 m (450 ft) maximum tether length
Available Options	360° Rotating manipulator arm, Sonar; Tritech 720im, Tritech MicronDST ◊

[‡] 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.

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

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

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