Oceanus Mini Lite ROV System

A entry level inspection class ROV with room to grow. Our most affordable ROV system features a compact topside ROV control case with removable touch-sensitive PC tablet.

The Oceanus Mini Lite ROV system is independently certified for dive missions to a maximum standard depth of 305 m (1000 ft). This feature-rich inspection class ROV is ideal for vessel and infrastructure inspection, locating and assisting ghost gear retrieval or visually documenting evidence. A reduced footprint and ease of setting up, deployment and flying make this user-friendly ROV system the choice of novice and experienced pilots alike.

The MarineNav Oceanus Mini ROV offers these standard features;

- Powerful vectorized thruster design provides lateral movement

- Lightweight, compact design ideal for pipe and water tank inspections, ghost gear retrieval

- ROV weight of 8.62 kg (19 Lb)

- Power over tether design

- Depth rating of 305m (1000ft)

- Up to 4 knot top speed*

- 2 x 1500 lumen lights

- 1080p high definition camera

- Extremely compact topside weighing 7.39kg (16.3 Lb)

- Removable touch-sensitive 64GB solid state drive tablet with a 10.1" viewing screen. MarineNav's proprietary Flight Control System software installed.

- Topside features AC power in, two wifi antennae, two USB ports, MarineNav's Multiport, Isometer, tablet recharging cables.

- A one-year limited warranty extended to MarineNav topside components (excluding the tablet). Conditions apply.*

MN OCEANUS MINI LITE
REMOTELY OPERATED VEHICLE

ONE YEAR limited warranty*
conditions apply

FULL HD 1080P video

MADE IN CANADA   ISO CERTIFIED COMPANY   RoHS compliant   UK CA   CE   FC

Includes the Oceanus Mini-Lite ROV, Topside ROV control case with touch-sensative removable tablet with MarineNav FCS-Lite operating system pre-installed.

MARINENAV
BUILT NORTH ATLANTIC TOUGH.
TRUSTED EVERYWHERE.

ISO 9001:2015 CERTIFIED COMPANY

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Oceanus Mini Lite ROV System

Specifications

Certifications	ISO 9001: 2015
Operating Environment	Fresh or salt water, 0-50ºC (32-122º F)
ROV movement and control	Full depth, horizontal and lateral movement: Auto depth, Heading hold and ROV stabilize modes
Depth Rating	305 m (1000 ft)
Maximum Speed *	4 kn
Topside Unit Weight	7.39 kg (16.30 Lb)
ROV Weight ▪	8.62 kg (19.00 Lb)
Approximate Total Shipping Weight†	16.01 kg (35.30 Lb)
ROV Dimensions	521 mm (20.5") long, 279 mm (11.5") wide, 273 mm (10.75") height
Topside Dimensions (ext)	401 mm (15.8") long, 307 mm (12.1") wide, 173 mm (6.8") height
Topside Unit Housing Material	Ultra high density polyethylene, neoprene o-ring and ABS latches
ROV Housing Material	Marine grade aluminum. Optional upgrade of anodized marine grade aluminum, protective coating available
Lights	2 x 1500 Lumen front
Cameras	Internal Front: 1080p with tilt control
Camera Tilt Angle	+/- 120º Pitch (vertical rotation)
Camera Focus Range	Fixed focus 4" to infinity
Camera Field of View	120º field of view
Primary LCD Display	Tablet features a 10.5" Touch panel, (full daylight readable), 1920 x 1280 resolution
Data Storage	64 GB solid state drive topside, 32 GB solid state ROV
Topside Unit Software OS	Linux OS (MarineNav Proprietary software interface)
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)
Topside Power	Input: 100/240 V AC 50/60 Hz, System fully operational in 60 seconds
ROV Power	Power over tether
ROV Control	Touch-sensitive interface on removable tablet, or optional system upgrade of a MarineNav Hand Controller (IP 65)
Topside Control Case	Rugged waterproof case, transport requires one person. IP 65 when closed, IP 62 when open
Auxiliary Ports	1 auxiliary port: capable of 1 x RS485 / Manip / 15VDC)

B-0027 MN-Mini Lite-Specifications-19052021_PR4

Specifications - continued

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.
Settings	Internally saved, persist through power cycles
Tether System	Optional rapid deployable, neutrally buoyant tether with water-tight cable connections. Optional tether deployment system available
Available Tether Length	System upgrade to 500m (1640.4 ft) maximum tether length
Available Accessory Attachments + ▲	Single axis manipulator arm, USBL, Hull crawler, Metal thickness gauge, RS485 based sonar and accessories

* The Oceanus Mini Lite topside is protected by a one-year limited warranty (not including the third-party tablet. Tablet is protected by third-party manufacturer's warranty). Limited Two year warranty is available to the MarineNav Oceanus ROV when 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. Contact MarineNav for full details and restrictions of Peace of Mind Guarantee.

* Maximum speed test conducted with absence of all ballast weights.

▪ Estimated dry weight.

† Choice of available options will change overall shipping weight. Shipping weight based on ROV unit, and topside.

+ Some accessories require use of the Marinenav Multiport 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.
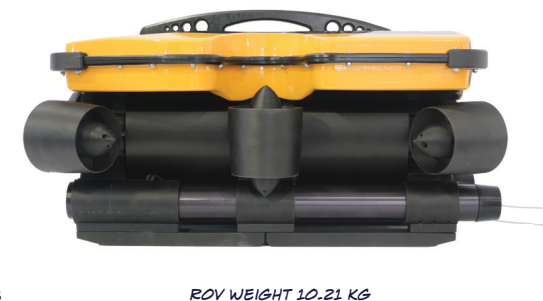
While we strive to ensure the accuracy of all items and descriptions in this document, this is not always possible. Specifications, options, and availability are subject to change without notice. Errors and omissions excepted. We reserve the right to limit quantities.

POWERFUL VECTORIZED THRUSTER DESIGN

1080P HIGH DEFINITION CAMERA

TOP SPEED UP TO 4 KNOTS

DEPTH RATING OF 305M

ROV POWERED OVER TETHER

2 X 1500 LUMEN LIGHTS

ROV WEIGHT 10.21 KG

MARINENAV

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ISO CERTIFIED COMPANY 9001:2015

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