

# Centurion MultiROV 3000msw Work Class ROV System



The Centurion MultiROV is a 300 HP Work Class ROV, with 2 independent 150 HP Hydraulic Power Packs.

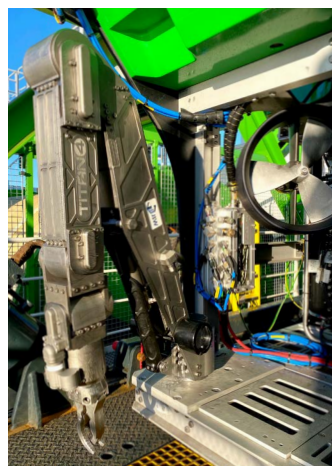
The vehicle has two configurations. A high current, 200msw rated system, using 8 vectored lateral thrusters and 3 vertical thrusters is designed to work in 4 knot currents. Or a 3000msw rated system using 4 vectored lateral thrusters and 3 vertical thrusters. The vehicle has full auto-depth, auto-heading, cruise control and station keeping functions making a versatile platform for a wide range of subsea activities from construction to survey.

With a through frame lift of 20T the vehicles are capable of taking a wide variety of underslung tooling packages which connect to the standard docking system.

To minimize the environmental footprint during operations, the system uses Environ MV32 hydraulic oil.

Mounting of mission specific equipment is facilitated by the highly adaptable Gladiator 2 network based control system with an ergonomic surface control system designed to the latest HSSE standards for operator control stations.

The systems currently operate with 1 x Schilling T4, 1 x Atlas 7F cw Olis Master Controller, Kongsberg MS1000 Sonar and ROVINS Nano/Nortek 1000 DVL.



1st Floor Tudor House  
Le Bordage, St Peter Port  
GY1 1DB, Guernsey

E: [operations@magellan.gg](mailto:operations@magellan.gg)  
[www.magellan.gg](http://www.magellan.gg)

# Centurion MultiROV 3000msw Work Class ROV System

## General

### Dimensions

<b>Length 2.5m</b>	3.1m
<b>Width</b>	1.95m
<b>Height</b>	2.2m
<b>Weight</b>	200msw Hi Thrust version: 3,700kg 3000msw version: 4,500kg
<b>Payload</b>	200kg
<b>Frame</b>	Aluminium
<b>Depth rating</b>	Hi Thrust version: 200msw Standard version: 3000msw
<b>Through frame lift</b>	25 ton

## Performance

<b>Bollard pull fwd</b>	Hi Thrust: 2,290 kg Standard: 1,145 kg
<b>Speed fwd</b>	Hi Thrust: 5.03 knots Standard: 3.45 knots

No drop in performance when using vertical and horizontal thrusters simultaneously, as opposed to hydraulic subs.

## Video recording equipment

2 off 4K UHD HD-SDI channels available  
HD Video overlay and HD Video Recorder  
Digital Edge DVR HD

## LARS / Winch

LARS system free flying to 3000msw depth  
Umbilical 3300m 45.5 mm OD armored umbilical

## Surface controls

<b>Control container</b>	Built into vessel control room, combined on-line survey Video wall 2 x pilot chairs with integrated joysticks
<b>Power distribution panel</b>	Megacon ground fault monitoring system. System built into HV power container

## Current equipment

<b>Manipulator</b>	1 x 7 function Schilling Atlas with Olis Master Controller 1 x 7 function Schilling T4 – master slave arm
<b>Cameras</b>	Ocean Tools C9 – IP Colour Zoom Ocean Tools C5 – BW camera Ocean Tools c3 WA camera (x3) Additional as per client requirements
<b>Sonar</b>	Kongsberg MS1000 Blueview M900/2250/130 on request
<b>Altimeter</b>	Nortek 1000 DVL providing altitude information
<b>Depth sensor</b>	Impact Subsea ISD4000
<b>Heading reference</b>	iXblue ROVINS Nano Impact Subsea ISM3F Gyro
<b>Auto functions</b>	Auto Depth, Auto Heading, Cruise Control, Station Keep
<b>Hydraulics</b>	HPU-1 150 HP 252l/m 210 bar HPU-2 150 HP 252l/m 210 bar
<b>Survey sensors</b>	2 x 4K UHD HD-SDI camera channels 8 x SD composite camera channels 2 x 10/100/1000 Base switchless Ethernet ports 12 x RS232/485 ports 4 x Digital (input/output) TTL, 1PPS 7 x 10/100/1000 base Ethernet ports
<b>Power supplies</b>	3 x 120 vac 10 switched 22 x 24 vdc 6 amp 2 x 48 vdc 8 amp

<b>Workshop</b>	Built in mechanical / electrical workshop Fabrication shop
-----------------	---

<b>Maintenance and stock control</b>	TmMaster maintenance and inventory control system Unisea SMS / TBT / Risk Assessments
--------------------------------------	--

