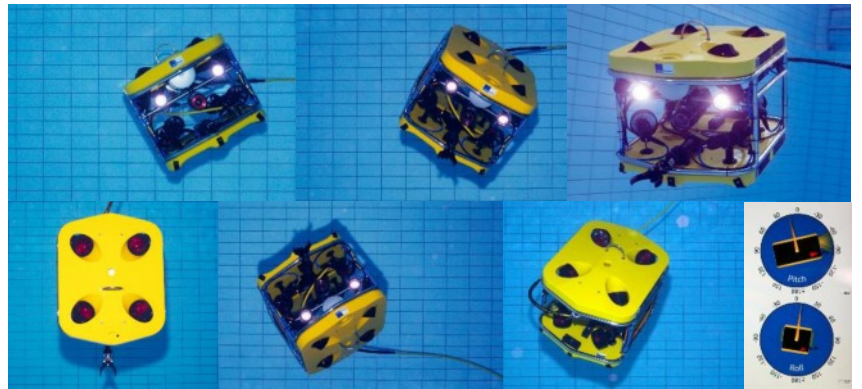# OCEAN SAR, leverandør av Ocean Modules ROV systemer. System opsjoner

All Ocean Modules ROV system comprising the six degree of freedom concept are manufactured with V8 360° control system. Powered by 8 thrusters this allows for perfect stability in any position with maintained speed regardless of angle. The pan and tilt function, optional mode settings and automatic positioning for pith/roll/depth holding creates superior maneuverability regulated by the control system. The carefully developed pilot control offers advanced commands with high usability and connects to the Surface Unit that monitors the system setup and handles all data communication during usage. Equipped with a powerful rack mounted PC and peripherals you have a complete world class ROV system. Ocean Modules also offers a wide range of options and customization on your request.

Ocean Modules V8 ROVs comes with

Depth sensor
8 vectorized brushless DC thrusters
Full freedom V8 360° control system
3x roll rate gyros
3x accelerometers
Automatic heading/pitch/roll/depth
Pan/tilt by vehicle positioning

Standard Options

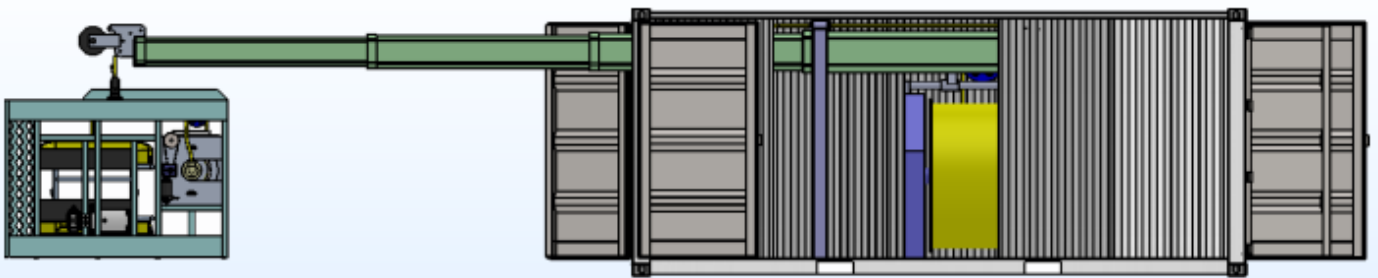| Illumination	LED lights
Manipulator	1 function 5 function (electric or hydraulic skid-mounted)
Cameras	Monochrome/Colour/HD (available with zoom, wide angle and other options)
Sonars and equipment	Scanning sonar Blueview Altimeter Tracking system NDT-tooling (several other options available on request)
Winches	Hand winch system Electrical winch system

For more info, visit: http://www.ocean-sar.no

Additional Options

Interface Options

Fiber Optic Basic	Fiber Optic Plus
4 x LED Interfaces	4 x LED interfaces
2 x analog PAL/NTSC video (multiplexed, 1 with zoom/focus)	3 x analog PAL/NTSC video (simultaneous, 2 with zoom/focus)
1 x Sonar I/F (24v, RS485/RS 232)	1 x Sonar I/F (24v, RS485/RS 232)
1 x Ethernet I/F (24V)	1x Ethernet I/F (24V)
1 x one function manipulator I/F	1 x one function manipulator I/F
1 x AUX I/F (24v, RS485/RS 232)	2 x AUX I/F (24v, RS485/RS 232)
Fiber Optic HD	**Fiber Optic HD Plus**
4 x LED Interfaces	4 x LED interfaces
1 x HD Interfaces	1 x HD Interfaces
2 x analog PAL/NTSC video (multiplexed, 1 with zoom/focus)	3 x analog PAL/NTSC video (simultaneous, 2 with zoom/focus)
1 x Sonar I/F (24v, RS485/RS 232)	1 x Sonar I/F (24v, RS485/RS 232)
1 x Ethernet I/F (24V)	1x Ethernet I/F (24V)
1 x one function manipulator I/F	1 x one function manipulator I/F
1 x AUX I/F (24v, RS485/RS 232)	2 x AUX I/F (24v, RS485/RS 232)

Ocean Modules LARS/TMS System

Containerized standalone Launch & Recovery system	Surface controlled Tether Management System
Lift cable installation	2000 m depth rated thruster powered cage
Slip ring installation	LED Lights
Umbilical drum capacity of 2000m	Camera
LEBUS drum system	Winch system with cable tension
Air conditioned control/pilot room	Slip ring installation
	Tether capacity of 400 m

Spot.On Survey Management

Ocean Modules Survey Management software SPOT.ON allows operators to supervise, manage and collect synchronized geographic position, video, sonar and serial data in any type of environment. Mark points of interest and get automated reports of your operations to review and deliver immediately.

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