

# DATA SHEET

# TMI-Orion



## S-ROV

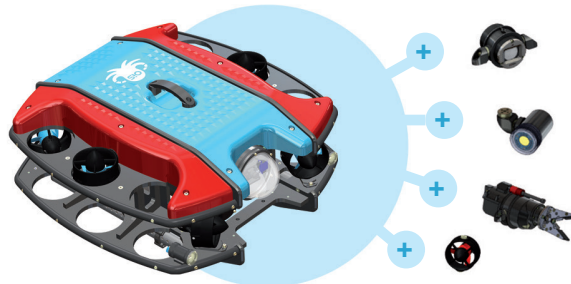
## Remotely Operated Vehicle



**Underwater modular vehicle platform for inspection, measurement and operation.**

The S-ROV is a rugged configurable and upgradable platform for underwater inspection, measurement and operation.

The ready to add technological bricks, including modules and sensors, create tailored solutions for a wide range of customer needs in plug and play mode.



*Add modules to your S-ROV in plug and play mode.*

### SPECIAL FEATURES

- Professional grade hub for integration and combination of a wide range of modules and sensors, from TMI-Orion or third parties,
- Easy combination of up to 8 thrusters for power demanding applications,
- 2 cameras, one front and one rear, with full HD IP video and transmission to the Surface Control Unit,
- Embedded battery pack or power supply directly from the surface,
- Easy maintenance and upgrade.

### TECHNICAL SPECIFICATIONS

<b>Depth rating</b>	300 m	
<b>Video cameras</b>	Front	Wide angle full HD IP (Dome port) with tilt control
	Rear	Wide angle full HD IP (Dome port)
<b>LED Light projectors</b>	2 projectors - Each 1500 Lm, wide angle, White Neutral Color	
<b>Add-on capacity</b>	Up to 5 free connectors	



## TECHNICAL SPECIFICATIONS

<b>Material</b>		Polyethylene high density and hard anodized aluminum 5083
<b>Weight</b>		23.5 kg (in air) Slightly positive in sea water
<b>Dimensions of the frame</b>		600 mm x 590 mm x 296 mm
<b>Payload capacity for add-on functions</b>		3.5 kg
<b>Thrusters</b>	<b>Number</b>	6 to 8
	<b>Linear speed</b>	Up to 3 knots
	<b>3-D mouvement</b>	Pitch (with 8-thruster configuration), roll, yaw
<b>Embedded sensors</b>		AHRS sensor for auto-heading
		Pressure sensor for auto-depth

## SOFTWARE AND RELATED PRODUCTS

### Turn-key solution

The S-ROV turnkey solution includes:

- S-ROV platform,
- Umbilical cable (max length 300 m +/- 3%) + manual winch (optional),
- Surface Control Unit (rack or weather proof suitcase with related Monitoring Software),

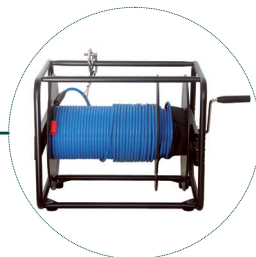
### Other products

The S-ROV can be equipped with the following standard modules:

- Rear IP video camera,
- LED Light,
- Electrical grip stick.



S-ROV



Umbilical cable and winch



Surface Control Unit

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