



## eROV-300

### Fibre-Optical Lightweight Inspection Vehicle

- ➔ Fibre-optical connection
- ➔ Depth rated up to 300 m
- ➔ Real time Full HD video transmission
- ➔ High resolution acoustic imagery systems
- ➔ Modular design
- ➔ Expandable system – ready for customization

\*Non binding image, configuration according to specification

## eROV-300 Fibre-Optical Lightweight Inspection Vehicle

The eROV-300 compiles a robust vehicle chassis with high technology equipment and provides an ideal tool for underwater inspections in even difficult environments.

With this ROV emma technologies GmbH introduces a light-weight platform for multiple survey and inspection tasks under water. Due to its modular design, it is a suitable system base for different applications and can be equipped with high resolution acoustic imagery sonar, full HD camera and LED cluster.

The eROV-300 system data and power transmission is based upon fibre-optical methods. This allows high data rate and bandwidth. Especially for observation purposes

the robust fibre optic cable enables disturbance-free real time full HD video and data transmission.

Four thrusters of extremely high lifespans and high torque enable a professional operation and controlled handling, which is also supported by the integrated auto heading and auto depth mode. Low number of revolutions and triple shaft sealings guarantee best performance throughout operation.

Combined with the steering and control module in the ruggedized IP65 version eROCC-VC the eROV-300 can be operated from deck independent on rain or bright sunlight.

## Technical Data

ROV	Camera	Light
Power consumption: 2.8 kW	Full HD 1080p60 fps	Ultra bright LED light
Drive: 4 thrusters	Exmor CMOS Sensor	LED-Cluster with up to 4 LEDs
Thrust forward: 60 kg/ft	30 x optical zoom (240 x with 12x digital)	16000 lm (4 x 4000 lm) scalable from 0 to 16000 lm
Thrust vertical: 46 kg/ft	IMX-104 (1,37 MPixel)	Color temperature 5700 K
Voltage: 230 VAC	High Light Compensation	120° wide angle field of view
Weight in air: app. 80 kg	Low Delay Mode	
Dimensions: 900 x 600 x 500 mm (L x W x H)	De-Fog-Correction in 3 levels	<b>Options</b>
Integrated compass for auto heading mode	Wide Dynamic Range up to 130 dB	Umbilical cable reel with slip ring
Depth sensor	Visibility Enhancement	Altimeter
Coupling for sampling system	Pan and tilt mechanism	Laser scale system