

## USBL ROV tracking system

### PRODUCT INFORMATION



EvoLogics presents a USBL tracking system for VideoRay ROV:

- Plug and play - streamlined floating block with built-in EvoLogics "mini" pinger, a perfect fit for VideoRay
- Accurate USBL positioning for geo-referenced subsea imaging
- Great performance even in very shallow waters - minimum depth only 2 meters
- Built-in backup battery - up to 12 hours of continuous tracking after ROV tether failure
- USBL transceiver, GNSS receiver/antenna, mounting accessories, SiNAPS software - complete system solution is easy to deploy and operate

## SYSTEM OVERVIEW



Specifications subject to change without notice. The images are for illustrative purposes only. Consult EvoLogics to make sure the actual characteristics match your requirements. ©EvoLogics GmbH - March 2017.

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### TECHNICAL SPECIFICATIONS

GENERAL	OPERATING DEPTH	2 - 100 m
	OPERATING RANGE	1000 m (3500 m max. available)
	FREQUENCY BAND	18 - 34 kHz
	TRANSDUCER BEAM PATTERN	horizontally omnidirectional
USBL TRANSCIEVER	TYPE	S2C R 18/34 USBL
	SLANT RANGE ACCURACY	0.01 m
	BEARING RESOLUTION	0.1 degrees
	NOMINAL SNR	10 dB
	HOST INTERFACE	Ethernet
	POWER CONSUMPTION	2.5 mW Stand-by Mode 2.7 W Receive Mode 10 W Transmit Mode (65 W max. available)
	POWER SUPPLY	External 24 VDC
	DIMENSIONS	Ø 130 x L 137 mm antenna / 354 mm total length
TRANSPONDER	TYPE	S2C M 18/34 OEM
	POWER CONSUMPTION	2.5 mW Stand-by Mode 0.8 W Receive Mode 8.6 W Transmit Mode (55 W max. available)
	POWER SUPPLY	backup battery Li-ion 14.8 V 3400 mAh
	FLOATING BLOCK	L 155 x W 325 x H 265 mm
	2 VERTICAL MOUNTING POLES	L 110 cm
HORIZONTAL MOUNTING POLE	extendable 155 - 400 cm	

### SiNAPS S2C intelligent Navigation and Positioning Software

- Web-based user interface - use the software on any device in the local network
- Smart display tools, comprehensive settings management
- Advanced data management options: internal database, real-time data output, customizable data export

