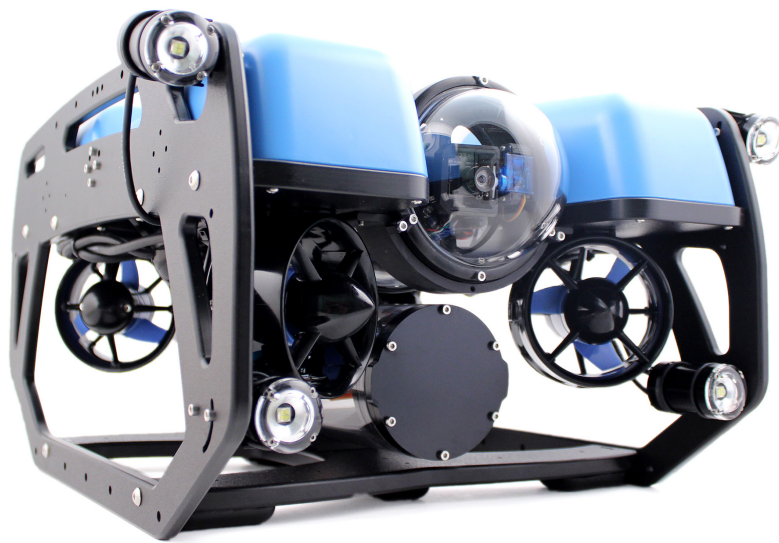# STR

SUBSEA TECHNOLOGY & RENTALS

STR BLUEROV2

The STR BlueROV2 is small hand launch 6-thruster 4 vectored and 2 vertical configuration ROV with capabilities and functionality of market leading ROV's of the same size class.

STR BlueROV2 comes with 150 Mtr tether, 2 batteries and 1 charger for continuous use with a 30 second battery change.

KEY FEATURES

- Live 1080p HD video on a tilt platform

- Highly manoeuvrable   vectored thruster configuration

- Stable and optimized for inspection-class and research-class missions

- Easy to use, cross-platform user interface

- 4 off LED Lights with a total of 6000 Lumen's light output 135 Deg.

- Standard 100m depth rating and fitted with 150m tether

- 6 T200 high power Thrusters, 4 vectored and 2 vertical

- Quick-swappable batteries for all-day use

STR BLUEROV2

SPECIFICATION:

Length:	457mm
Width:	338mm
Height:	254mm
Weight in Air (with Ballast):	10-11kg
Weight in Air (without Ballast):	9-10kg
Maximum Rated Depth:	100m
Maximum Tested Depth (so far):	130m
Maximum Forward Speed:	1m/s

SENSORS:

3-DOF Gyroscope (on the PixHawk)

3-DOF Accelerometer (on the PixHawk)

3-DOF Magnetometer (on the PixHawk)

Internal barometer (on the PixHawk)

Bar 30 Pressure/Depth and Temperature Sensor (external)

Current and Voltage Sensing (included with the PixHawk)

CAMERA TILT:

Tilt Range:	+/- 90 degree camera tilt (180 total range)

CAMERA:

Field of View (Underwater):	110 degrees (horizontal)
Light Sensitivity:	0.01lux
Resolution:	1080p

THRUSTER CONFIGURATION:

6 Thrusters:	- 4 Vectored - 2 Vertical
Forward Bollard Thrust:	14kgf
Vertical Bollard Thrust:	9kgf

UMBILICAL:

Diameter:	7.6mm
Length:	25-300m
Working Strength:	45kgf
Breaking Strength:	160kgf
Strength Member:	Kevlar with waterblock
Buoyancy in Freshwater:	Neutral
Buoyancy in Saltwater:	Slightly Positive
Battery Life (Normal Use):	~3 hours w/ 18AH Lithium-ion Battery
Battery Life (Light Use):	~5 hours w/ 18AH Lithium-ion Battery

The batteries can be changed in about 30 seconds.

CONTROL SYSTEM:

Laptop PC

All information contained in this brochure may be subject to change without prior notice.