

X ROV Sport



4 KNOTS
Top Speed

400 METERS
Depth Rating

1080P
Camera Resolution

600 VOLTS
Tether Voltage

6 KW
System Power

NEXT LEVEL POWER

Introducing SeaDrone XROV Sport. The fastest mini ROV in the world. At SeaDrone we believe in the future. We believe that scalable inspection and maintenance robotic solutions are key to sustainability. With a 600V tether architecture, the XROV can operate all day and perform at full power at longer tether lengths. All packed into an elegantly efficient design that is easy to ship.

VEHICLE

Vehicle Weight in air	27 kg	Surface power system	6 kw
Dimensions	0.84 x 0.61 x 0.25 m	Bumper Frame Materials	Marine HDPE, Titanium
Depth Rating	400 m	Enclosure Materials	Anodized Aluminum
Max Speed	4 knots	Ballast System	2 kg

SEADRONE AUTONOMY

Waypoint Control	Navigate automatically	Automatic assistance	Depth, heading, pitch, roll, camera pitch, station keeping, altitude
------------------	------------------------	----------------------	--

USER INTERFACE

Application software	SeaDrone PRO	Control Input	Tablet and Joystick
Live video stream	1080p 30fps	Communication interface	Gigabit Ethernet
Wi-Fi Frequency	5 GHz	Wired links	USB-C, Ethernet

CAMERA AND LIGHTS

Camera sensor	IMX477	Luminous flux	10,000 Lumen
Resolution	4056 x 3040 pixels, 12.3 MP	Color temperature	5000 k
Sensor format	1/2.3"	Color index	90
Frame rate	1080p @ 30fps h.264/h.265	Variable intensity	Yes

POWER SYSTEM

Input Voltage	180-264 VAC	Power Output	6000 W
Output voltage	600 V	Protection type	GFCI Isolation

TETHER

Length	20-500 m	Breaking strength	300 kg
Diameter	12mm	Buoyancy	Neutral in fresh water

SYSTEM SECURITY

Firmware	Signed and encrypted	Controls	System login required
Wireless	WPA2 Encryption	Communications	Signed and Encrypted SSL Messaging

SENSORS

IMU	0.1° pitch accuracy, 0.1° roll accuracy, 0.8° yaw accuracy
Pressure Sensor	0 - 40 bar range, +/- 0.25% FS accuracy, temperature sensor +/- 1 °C
Multi-beam Sonar	120 m range , 512 beams with 1° angular resolution
UT Probe	75 m Range, 35° vertical and 3° horizontal Beam, 700 KHz frequency
Laser Scaler	0.15 m - 2 m range, 515 nm wavelength, 10 mW output power
Gripper	25 -125 N grip force, 1.5 secs Time to open
CP Probe	0.15 m - 2 m range, 515 nm wavelength, 10 mW output power
USBL	300 m range, 0.1 m range resolution, 1° angular resolution
Side Scan Sonar	200m swathe coverage, 450kHz frequency, 0.5 ° horizontal beam, 60 ° vertical beam
Primary DVL	0.05 - 125 m range, velocity resolution 0.1 mm/s, 420kHz frequency