



MAXIMUM RATED DEPTH:
300 m



BATTERY:
2h (average use)



CAMERA:
1080p



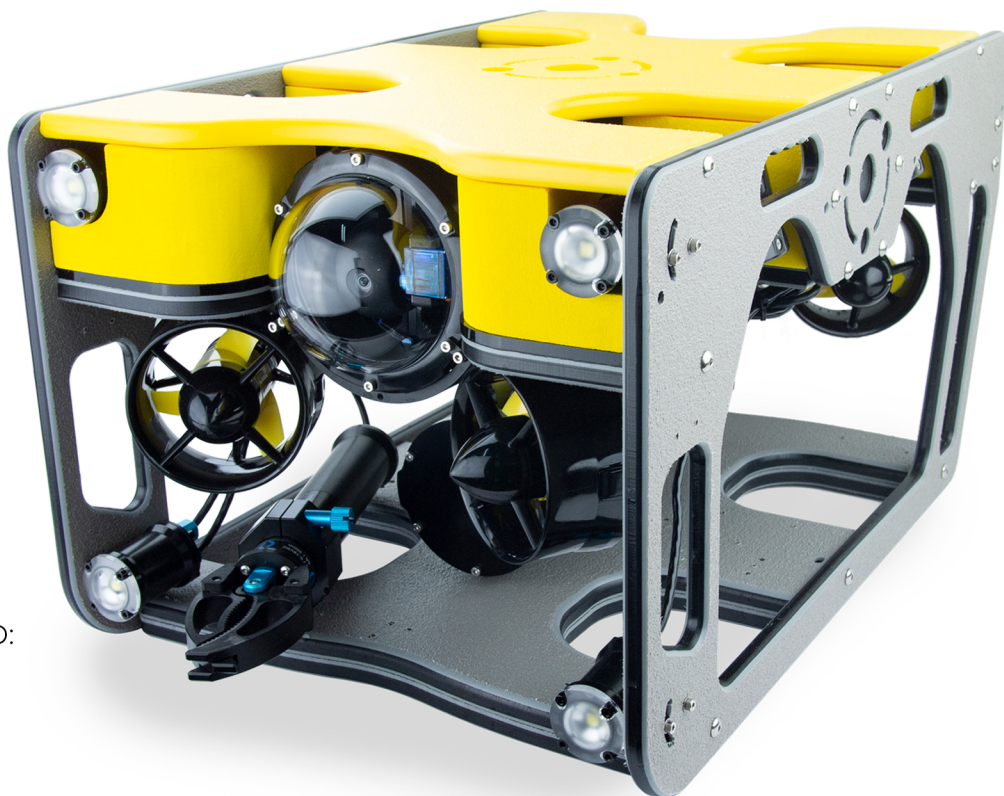
LIGHTS: 4x1500 lumens
(With dimming control)



WEIGHT: 16kg



MAXIMUM FORWARD SPEED:
3 knots



SIBIU PRO

**AFORDABLE UNDERWATER ROBOTS
FOR SCIENCE AND EXPLORATION**



AQUACULTURE



**COMMERCIAL
DIVING**



POWER PLANTS



**PORTS AND
MARINAS**



**UNDERWATER
RESEARCH**



**SEARCH &
RESCUES**

TECHNICAL SPECIFICATIONS

PHYSICAL

HEIGHT	29 CM
WIDTH	35 CM
LENGHT	52 CM
WEIGHT WITHOUT BALLAST	16 KG
WEIGHT WITH BALLAST	16,70 KG
PENETRATOR HOLES	10MM
ELECTRONICS ENCLOSURE	4" SERIES
BATTERY ENCLOSURE	3" SERIES
BUOYANCY FOAM	R-3318
BATTERY CONNECTOR	XT90
BATTERY	4S (14.8V, 18AH)

PERFORMANCE

MAX DEPTH	300 M
PROPELLERS	T-200
CONFIGURATION PROPELLERS	-4VERTICALS -4HORIZONTALS
ESC	30A
MAXIMUM FORWARD SPEED	3 KNOTS
BATTERY	2H (AVERAGE USE)

SYSTEM REQUIREMENTS

2.7 GHZ PROCESSOR
8 GB OF RAM
GRAPH COMPATIBLE
WITH DIRECTX 12
WINDOWS 10 (32 Y 64 BITS), MAC O LINUX

TETHER

CONECTOR SEACOM-SUBCONN MICRO	
WET-CONBULKHEAD CONNECTOR - 8 PIN MALE	
CONDUCTORS	4 TWISTED PAIRS, 26 AWG
DIAMETER	7,6 MM
LENGTH	100-300 M
WORKING STRENGTH	45 KGF
BREAKING STRENGTH	160 KGF
BUOYANCY IN SALTWATER	SLIGHTLY POSITIVE
BUOYANCY IN FRESHWATER	NEUTRAL
STRENGTH MEMBER	KEVLAR WITH WATERBLOCK
WATERPROOF	SODIUM POLYACRYLATE

SENSORS

3-DOF GYROSCOPE
3-DOF ACCELEROMETER
3-DOF MAGNETOMETER
INTERNAL BAROMETER
BLUE ROBOTICS BAR 30 PRESSURE/DEPTH
TEMPERATURE SENSOR
CURRENT AND VOLTAGE SENSING
LEAK SENSOR

CAMERA

LOW-LIGHT HD USB	1080P
CAMERA FIELD OF VIEW	80° HORIZONTALLY 64° VERTICALLY
PCB	32X32 MM
CONNECTOR	JST-PH > USB
TILT SERVO	EMAX ES08MD
TILT RANGE	+/- 60°

