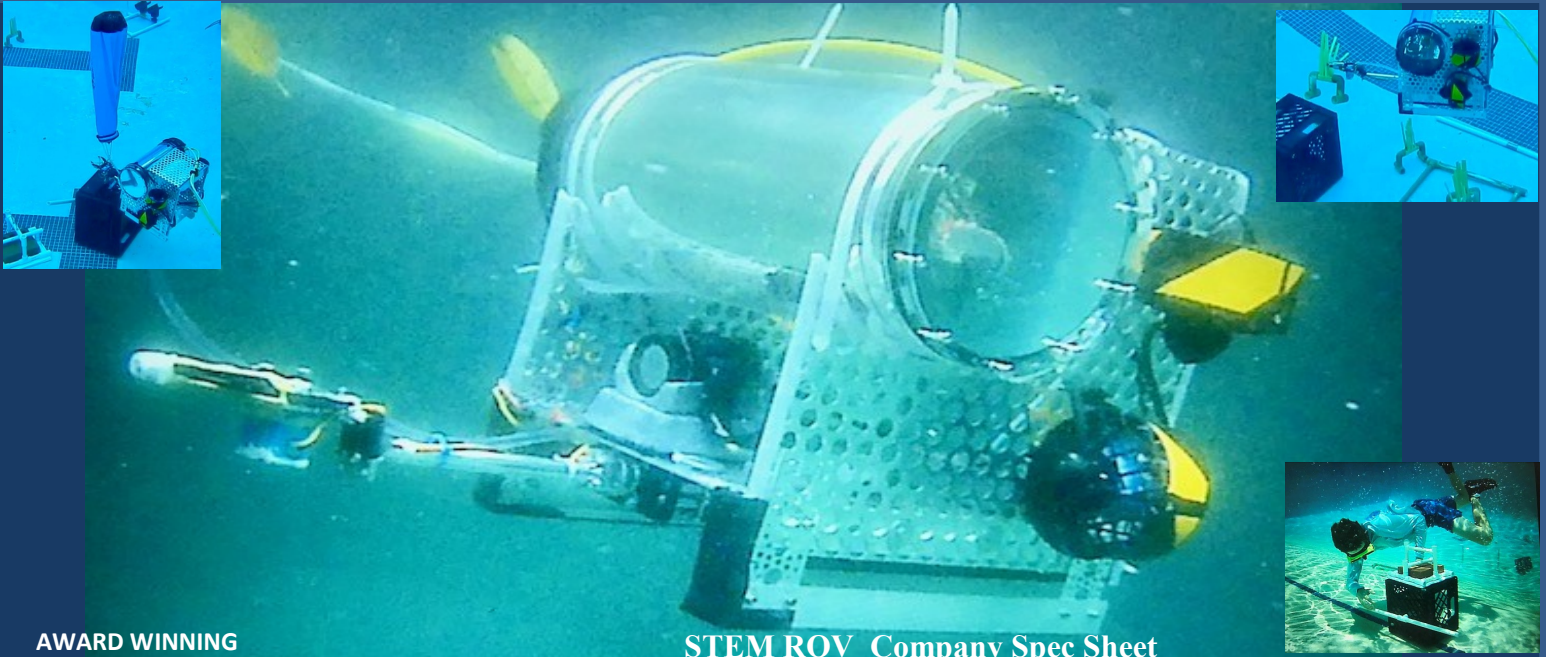


# SMITHSONIAN TETHERED EXO-MARINER

## REMOTELY OPERATED VEHICLE



AWARD WINNING

STEM ROV Company Spec Sheet



Smithsonian Intern TEAM

Size : 35cm35cm x33cm x4cm

Weight:~11kg

### Special Features

- Dual cameras; Composite and HD low light video and stills
- Modular Design
- Light Weight High Strength Aluminum Chassis
- Adjustable Manipulator
- Sensors– Pressure Depth Gauge
- Switch Regulators High Efficiency Step Down/Up
- On Board Telemetry: Six Axis Gyroscope , Compass
- Drone Technology /ArduSub Software Works QGround Control
- Pressure Release Valve For Testing WPC
- T100/T200 Blue Robotics Thrusters For Heavy Lift
- Xbox Control Bluetooth
- Changeable Platform Configurations
- Neutrally Buoyant Flexible Kevlar Strength Tether

### Safety :

- Thermoplastic Penetrators and Skid Custom Guards
- Motor Guards with high visibly marks / Impact resistant tether

- Cost: \$1762.00



Smithsonian Marine Station, Ft Pierce , Florida

MATE International Competition 3200 miles

Emma Bennett, CEO, Chief Design ENG.	Hours
11th Grade 17	215
MAST Academy	3rd year MATE
Kendal Lee - Mission Specialist, Engineer	140
11th Grade !7.	
John Carrol Catholic HS ,	3rd year MATE
Barry Smith, Safety Captain ,co-Pilot	115
11th Grade 17	
Lincoln Park Academy	3rd year MATE
Nicholas Stange, Engineer, Technician	130
10th Grade 16	
MOA-Westwood HS	2nd year MATE
Woody Lee, Mentor and Captain	Total hours
Smithsonian Marine Lab,	600
Research Specialist	3rd year MATE