



Robotics Clubs USA



ROV Name: Crystal 2.0
Team: Kepler Enterprises



Meet Team Kepler Enterprises

2017 Team Cost - \$9,191
Size – 14” x 14” x 10”
Weight – 5.5 Kg

Key Features of Crystal 2.0

- Qgroundcontrol Ardusub controller interface
- Raspberry Pie 3 model B with Raspberry Pie camera
- 3D printed camera gimbal
- Pixhawk controller – integrated compass and gyroscopes
- Blue tooth game controller
- 5 thrusters – sealed brushless motors
- Afro 30 amp speed control
- 3D printed shrouds and manipulate
- Capabilities for sensor: Temp and depth
- Acrylic machined frame
- Buoyancy: stainless steel and R3312 foam

Safety Features

- Shrouds
- Cutoff switch
- Chamfered edges
- Safety fuse

Team Members

- Nate Love, CEO
- Grant Kahl, CTO
- Lance Kahl, CFO
- Jake Love, Safety Officer
- Alec Neiman, CPO
- Kyle Kilian, Technical
- Myles Jonas, Technical