DeepView Technologies
Hydrus ROV Specifications

General

Weight in air 15 kg
Dimensions:
  Length 56 cm
  Width 37 cm
  Height 30 cm
Power Requirements 12 volts DC
Maximum Operating Depth 20 meters
Manufacturer’s Production Costs 7200 USD

Vehicle Description

Propulsion
Six Seabotix BTD150 Thrusters, 2 Modified Bilge Pumps

Tools
Vertical Gripper, Horizontal Gripper, Dual Syringe Ram

Special Features
Xbox Controller, Dynamic Thruster Control, Adjustable
Color Cameras, Removable Canister Shell, On Board
Pneumatic Manifold

Primary Material
Ultra-High-Molecular-Weight Polyethylene

Safety Features
25 ampere Fuse, Main Power Switch, Thruster Shafts and
Covers, 150 psi Rated Pneumatic Fittings and Tubing,
Canister Mounted Water and Temperature Sensors

Company Information

Organization DeepView Technologies
(Cornerstone Academy)

Location Gainesville, Florida

Distance from Competition 2031 km

Mate History Five Previous competitions
with four returning members

Grade Range 9-12 Grade

Top Row: Pierce Tolar, Optical Engineer; Carter Wyatt, Design Engineer; Noah Goodall, CFO and Chief Design Engineer; Oscar Witte, Design Engineer; Jeffery Knack, Mentor

Bottom Row: Timothy Constantin, Optical Engineer; Andrew Maule, CEO and Payload Tool Specialist; Will Hodik, Design Engineer; Timon Angerhofer, Chief Software Developer; Tirza Angerhofer, Electrical Engineer