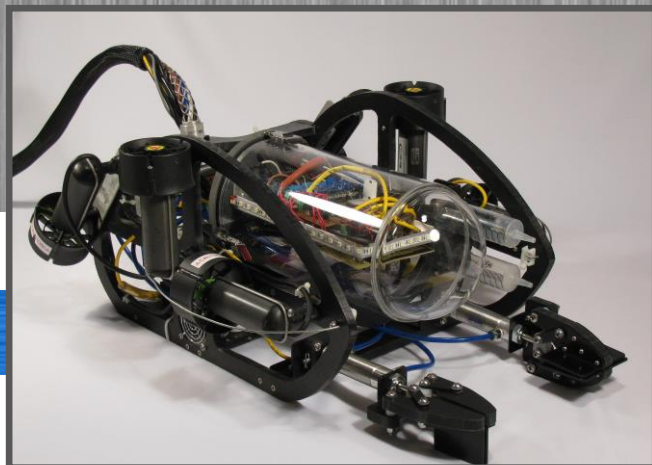


DeepView Technologies

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

