

DeepView Technologies

Ghost Crab ROV Specifications



General

Weight in air	20 kg
Dimensions:	
Length	56 cm
Width	46 cm
Height	30 cm
Power Requirements	12 volts DC
Maximum Operating Depth	20 meters
Manufacturer's Production Costs	4750 USD

Vehicle Description

Propulsion	Four Seabotix BTD150 Thrusters, 2 Modified Bilge Pumps
Manipulators	Padded Gripper, Finger Gripper, Extending Gripper
Special Features	Integrated Joystick Control, Adjustable Color Cameras, Pan-and-Tilt Camera Mechanism, Rotary Actuators, 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



Top Row: Richard Hurlston, CEO; Timothy Davis, Video Specialist; Noah Goodall, CFO and Design Engineer
Bottom Row: Andrew Maule, Chief Design Engineer; Tirza Angerhofer, Media Specialist; Timon Angerhofer, Chief Software Engineer

Company Information

Organization	DeepView Technologies (Cornerstone Academy)
Location	Gainesville, Florida
Distance from Competition	3949 km
Mate History	Four previous competitions with three returning members
Grade Range	8-12 Grade

