OPEN FRAME WORK CLASS ROV

The NOAA ROV system is a custom-built, advanced science ROV designed and built by Phoenix International for the National Oceanic & Atmospheric Administration (NOAA). The ROV system has three major sub-systems: the ROV is an open-frame, work-class unit rated to a depth of 6,000 meters (seawater); a Topside Control Consoles and computers; and a Camera Platform.

ROV DESCRIPTION

Weight in Air	7500 Lbs dry
Dimensions	10'L x 6'W x 8'H (without tether)
Maximum Operating Depth	6,000 m
Power	55kVA total system maximum
Bollard Pull	230 lb. (at the surface)
Vehicle Payload	250 lbs. in seawater
Hydraulics	10 Hp (5 GPM @ 3000psi)
Manipulators	2 ea. 150 LB at full reach
Thrusters	4 x Axial / lateral thrusters
	2 x Vertical thrusters
Manipulators	2 x Seven function 150 lb (Hydraulics)
Fiber Optic Multiplexer	1 x Focal 907
Cameras	1 x HD camera PTZ
	1 x Camera w/ pan/tilt funtions
	2 x Analog NTSC camera
Lighting	2 x HMI Lights
Sensors	Depth Sensor, Sonar, DVL, USBL, AHRS

CAMERA PLATFORM EQUIPMENT

Cameras	1 x HD camera PTZ
Lights	2 x HMI lights
Multiplexer	1 x Focal 907
Sensors	Altimeter, Compass

TOPSIDE EQUIPMENT

Power Distribution Unit
Pilot and Co-pilot Consoles
Topside DAQ and GUI systems

Offices

9301 Largo Drive West
Largo, MD 20774

375 Hwy. 182
Bayou Vista, LA 70380

7171 Hwy. 6 North, Suite 210
Houston, TX 77095

5409 Beamon Road, Suite B
Norfolk, VA 23513

444 W. 8th Street
National City, CA 91950-1002

99-1221 Halawa Valley St., Suite B
Aiea, HI 96701

Point of Contact
Steve Saint Amour
ssaintamour@phnx-international.com
Office: 301.341.7800
Fax: 301.499.0027
Mobile: 571.436.3175

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