



RACK MOUNT ROV CONFIGURATION

PRO 4 RACK BASE

THE PRO 4 ^{Rack BASE Remotely} _{Operated Vehicle (ROV)}

System has been specifically configured for operations requiring Pro 4 ROV performance from a vessel or command center with rack mounted hardware. The Rack BASE ROV Control Panel features a completely redesigned 2U package that fits seamlessly into any existing rack.

The Pro 4 Rack BASE system includes a standard Pro 4 submersible, a 1U Dell PC loaded with VideoRay Cockpit ROV control software, a 2U integrated control panel, and an industrial USB hand controller.

The VideoRay Rack BASE configuration is also configured to accept both the BlueView 2D imaging sonar (not included) as well as the Tritech Micron DST scanning sonar (not included). The user must also select a tether configuration for this system.

RACK BASE SYSTEM COMPONENTS

- » Pro 4 ROV Submersible (standard finish)
- » Pro 4 Rack Mount 2U Control Panel Package
- » Dell 1U i7 Rack Mount Computer
- » BlueView Imaging and Tritech Micron Sonar Ready (Sonars Not Included)
- » Pelican 1620 Hard ROV Case with Custom Packaging
- » Basic Tool Kit and spares with Complete Ballast Set
- » Owners Manual and Documentation
- » Sunshade
- » Training Documentation and Video Deliverable



Standard VideoRay
Pro 4 Submersible



2U VideoRay Control Panel Rack Mount (FRONT)



2U VideoRay Control Panel Rack Mount (REAR)



GENERAL SYSTEM

Power Requirements	100-240 VAC
Total System Weight	25.8 kg (57 lb)
Cases	Watertight Rugged Hard Case
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit
Communications Protocol	RS-485
Warranty	2 Year Limited



SUBMERSIBLE

Depth Rating	305 m (1,000 ft)
Size (LxWxH)	37.5, 28.9, 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kg (13.5 lb) [with Full Ballast Set]
Ballast	(No Tools Required) Ballast System with Complete Stainless Ballast Set

PROPULSION (4.2 Knots Maximum Speed)

Horizontal/Vertical	2 Brushless/1 Brushless
	Direct Drive/Geared
	100 mm Propellers/65 mm Propeller

CAMERA

Main	High Resolution - NTSC or PAL Format
	Color and B&W
	Wide Dynamic Range
	Digital Slow Shutter
	White Balance
	20+ Real Time Camera Settings
Sensitivity	Color Mode: .004 lux
	B&W Mode: .0001 lux
View Angle	90° Horizontal/140° Diagonal - Wide Angle
Vertical Tilt	180° Control

LIGHTING

(2) Optimized LED Arrays	Forward looking Beam Spread covers entire range of Main Camera
3,600 lumens	

INTEGRATED SENSORS

3D-Tilt Compensated Compass	Leak Indicator	System Voltage
Accelerometer	Water Temperature	Depth Sensor
MEMS Gyro	Internal Temperature	

RACK CONTROL PANEL

Size (LxWxH)	2U Rack Mount Panel - 38, 43, 8.9 cm (15, 17, 3.5 in) (Front plate 48 cm, 19 in)
Weight	7.7 kg (17 lbs)
Computer	1U Dell i7 Rack Mount computer programmed with complete suite of VideoRay Cockpit control software
Main Display	N/A
Controller	Industrial USB Hand Controller
Recording	Integrated Recording (.WMV, .AVI formats)
Overlay	One Button Hand-Controlled Video and Still Image Recording
Video Out	Date, Time, Depth, Heading, Customized Text, Logo
	Digital or Analog Composite

TETHER

Tether is not included with the Rack BASE configuration. Any existing or new VideoRay tether is compatible with this ROV system.

INTEGRATED ACCESSORIES

*** BlueView 2D imaging sonar and Tritech Micron DST scanning sonar ready hardware included. Sonars sold separately.

INQUIRE WITH AN AUTHORIZED SALES REPRESENTATIVE ABOUT ADDITIONAL AVAILABLE ACCESSORIES FOR THIS ROV SYSTEM

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