RUGGED ROV CONFIGURATION

PRO 4 RUGGED BASE

THE PRO 4 Rugged BASE Remotely Operated Vehicle (ROV) system has been specifically configured to quickly and effectively perform a variety of basic underwater tasks in environments where gear takes a beating.

The Pro 4 Rugged BASE system includes a Pro 4 submersible with a CERAKOTE finish for protection against harsh water environments, Pro 4 Integrated Control Box (ICB) with a Toughbook i5 computer loaded with VideoRay Cockpit control software, a secondary 15” extended display integrated into the panel case, and an industrial hand controller.

The Rugged BASE configuration is ready to accept the majority of VideoRay accessories and can be upgraded to accept sonars. The user must also select a tether configuration for this system.

RUGGED BASE SYSTEM COMPONENTS

» Pro 4 ROV Submersible (CERAKOTE finish)
» Pro 4 Control Panel (with extended 15” display)
» Industrial Hand Controller
» 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
GENERAL SYSTEM
Power Requirements 100-240 VAC
Total System Weight 38.5 kg (85 lb)
Cases 2 Watertight Rugged Hard Cases
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
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 3,600 lumens
Forward looking Beam Spread covers entire range of Main Camera

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

CONTROL PANEL
Size 53, 43, 22 cm (21, 17, 8.5 in)
Weight 16 kg (35 lb)
Computer Toughbook i5 with panel integration and tilt mount
Software Computer Programmed with complete suite of VideoRay Cockpit Control software
Main Display 15” extended display integrated into panel case
Controller Industrial Programmable Hand Controller
Recording Integrated Recording (.WMV, .AVI formats)
One Button Hand-Controlled Video and Still Image Recording
Overlay Date, Time, Depth, Heading, Customized Text, Logo
Video Out Digital or Analog Composite

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

INTEGRATED ACCESSORIES
*** Users can easily upgrade the Rugged BASE system's capabilities to include sonar, positioning systems, and much more.

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

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