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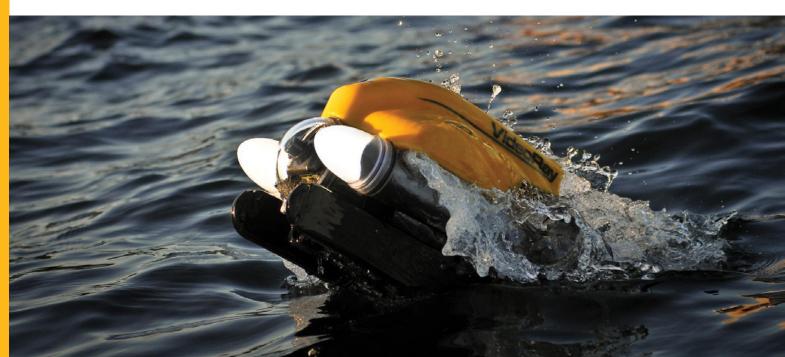
The Rugged BASE configuration is ready to accept the majority of VideoRay accessories and can be upgraded to accept sonars. The user must also select a tether configuration for this system.

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

Extended 15 inch dual display control panel

Pro 4 submersible with rugged CERAKOTE finish

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
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	

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