

SEARCH AND RECOVERY CONFIGURATION

PRO 4 SAR 300BASE

THE PRO 4 SAR 300BASE Search and Recovery ROV

System has been specifically configured for Law Enforcement, First Responder, Public Safety Dive, and Search & Rescue teams to quickly and effectively perform a variety of basic underwater observation and recovery tasks. The VideoRay ROV has been proven in more drowning victim location and evidence recovery operations than any other small ROV system available. A lightweight ROV like the VideoRay is critical for rapid deployments in emergency situations and is the perfect complement for a dive team.



SYSTEM COMPONENTS

- » Pro 4 ROV Submersible
- » Pro 4 Control Panel (monitor not included)
- » Standard Computer with 15-inch display
VideoRay Cockpit Control Software Included
- » Wireless Programmable Hand Controller
- » Extended Capacity Tether Deployment System
- » Plug and Play Modular Tether:
 - 150 m (500 ft) Neutrally Buoyant Performance
- » Manipulator Arm with ROV mounts
- » LYYN Real Time Video Enhancement
- » Pelican 1620 Hard Case with Custom Packaging
- » PRO 4 ROV Maintenance Kit with Advanced Tool Kit
- » Owners Manual
- » Sunshade
- » Three (3) Days of Open Enrollment Training for one operator



PHOTO: BRIAN LUZZI



GENERAL SYSTEM

Power Requirements	100-240 VAC
Total System Weight	53 kg (117 lb)
Cases	3 Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	PRO 4 ROV Maintenance Kit with Advanced Tool Kit
Communications Protocol	RS-485
Warranty	2 Year Limited

SUBMERSIBLE

Depth Rating	305 m (1,000 ft)
Size	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] (sonar head is additional 2.3 kg (5 lb))
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
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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
Vertical Tilt	180° Control

LIGHTING

(2) LED Array with 32 Emitters 3,600 lumens	Beam Spread covers entire range of Main Camera
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INTEGRATED SENSORS

3D-Tilt Compensated Compass	Leak Indicator	Volt Meter
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	Standard Computer with 15-inch High Resolution Display
Software	Programmed with complete suite of VideoRay Cockpit Control software
Main Display	Available as an Upgrade on BASE Configurations
Controller	Wireless USB 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

Length	150 m (500ft) Standard Neutral Buoyancy Tether 10 mm diameter, 454 kg (1,000 lb) breaking strength
Management	Extended Capacity Tether Deployment System Enclosed in a Pelican 1620 Case with slip ring

INTEGRATED ACCESSORIES

LYYN Real Time Video Enhancement Feature
Single Axis Manipulator Arm with ROV Mounts
Sonar-Ready Hardware (sonar not included)

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

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