

SCIENCE AND RESEARCH CONFIGURATION

PRO 4 SCI 300R

THE PRO 4 SCI 300R Scientific ROV System has been specifically configured for researchers, biologists, educators, and scholars to quickly and effectively perform a variety of basic underwater observation tasks in rugged environments where gear takes a beating. The standard computer from the BASE Scientific system is replaced with a rugged Toughbook computer and adds an industrial hand controller. The one man deployable ROV can document fascinating marine life and their habitats, ancient architectural sites, endangered and invasive species, and polluted habitats in harsh environments both above and below the surface.



BASE SYSTEM COMPONENTS

- » P4 ROV Submersible
- » P4 Control Panel (monitor not included)
- » Toughbook Computer -10.5-Inch Display
VideoRay Cockpit Control Software Included
- » Wireless Programmable Hand Controller
- » Rugged Programmable Hand Controller
- » Plug and Play Modular Tether:
100 m (330 ft) Neutrally Buoyant Performance
- » Standard Capacity Tether Deployment System
- » LYYN Real Time Video Enhancement
- » Pelican 1620 Hard Case with Custom Packaging
- » Basic Tool Kit with Complete Ballast Set
- » Owners Manual
- » Sunshade
- » Three (3) Days of Open Enrollment Training for One Operator



PHOTO: MINDY BELL



GENERAL SYSTEM

Power Requirements
Total System Weight
Cases
Owners Manual
System Tool Kit
Communications Protocol
Warranty

800 watts, 100-240 VAC
62.8 kg [138www.6 lb]
3 Watertight Rugged Pelican Cases
Hard Copy & Online Digital
Basic Tool Kit
RS485
2 Year Limited

SUBMERSIBLE

Depth Rating
Size
Weight
Ballast

305 m [1,000 ft]
37.5, 28.9 22.3 cm [14.75, 11.4, 8.75 in]
6.1 kg [13.5 lb] [with Full Ballast Set] [sonar head is additional 2.3 kg [5 lb]]
[No Tools Required] Ballast System with Complete Brass 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
90° Horizontal/ 140° Diagonal
160° Control

Sensitivity

View Angle
Tilt

LIGHTING

[2] LED Array with 32 Emitters
3,600 lumens

Beam Spread covers entire range of Main Camera

INTEGRATED SENSORS

3D-Tilt Compensated Compass
Accelerometer
MEMS Gyro

Leak Indicator
Water Temperature
Internal Temperature
Operating Volt Meter

CONTROL PANEL

Size
Weight
Computer
Software
Main Display
Controller

53, 43, 22 cm [21, 17, 8.5 in]
16 kg [35 lb]
Standard computer with 15-inch High Resolution screen display
Programmed with complete suite of VideoRay Cockpit Control software
Available as an Upgrade on BASE Configurations
Rugged USB Programmable Hand Controller and
Wireless USB Programmable Hand Controller
Integrated Recording (.WMV format)
One Button Hand-Controlled Video and Still Image Recording
Date, Time, Depth, Heading, Customized Text, Logo
Digital or Analog Composite

Recording

Overlay
Video Out

TETHER

Length

100 m [330 ft] total length, Plug and Play Tether:
Standard Neutral Buoyancy Tether
10 mm diameter, 454 kg [1,000 lb] breaking strength
Standard Capacity Tether Deployment System Enclosed
in a Pelican 1620 Case with slip ring

Management

INTEGRATED ACCESSORIES

LYYN Real Time Video Enhancement

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