



P4 SCI 300BASE



BASE CONFIGURATION OVERVIEW

THE P4 SCI 300BASE 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. The VideoRay ROV has seen underwater environments on every continent in the world and has documented fascinating marine life and their habitats, ancient architectural sites, endangered and invasive species, polluted habitats, and even discovered a new fish species. The inclusion of Real Time Video Enhancement will ensure quality video documentation.



BASE SYSTEM COMPONENTS

- P4 ROV Submersible
- P4 Control Panel (Monitor Not Included)
- Standard Computer With 15 Inch Display
- VideoRay Cockpit Control Software Included
- Wireless Programmable Hand Controller
- Plug and Play Neutral Tether:
 - 100m (330 ft) Neutrally Buoyant
- Standard Capacity Tether Deployment System
- LYYN Real Time Video Enhancement Feature
- 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



www.videoray.com

580 Wall Street Phoenixville, PA 19460 USA
phone: +1 (610) 458-3000 fax: +1 (610) 458-3010 email: info@videoray.com

P4 SCI 300BASE SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	46.5 kgs (102.6 lbs)
Cases	Three Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit
Communications Protocol	RS485
Warranty	2 year limited

SUBMERSIBLE

Depth Rating	305m (1,000 feet)
Size	37.5, 28.9, 22.3 cm (14.75, 11.4, 8.75 in)
Weight	6.1 kgs (13.5 lbs) With Full Ballast Set
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

4.2 Knots Maximum Speed	
Horizontal	Vertical
2 Brushless	1 Brushless
Direct drive	Geared
100mm Propellers	65mm 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
Tilt	160° Servo Control

Lighting

(2) LED Array with 24 Emitters 3,600 lumens	Beam Spread Covers Range of Main Camera
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Integrated Sensors

3D-Tilt Compensated Compass	Leak Indicator	Operating Volt Meter
Accelerometer	Water Temperature	
MEMS Gyro	Internal Temperature	

CONTROL PANEL

Size	53, 43, 22 cm (21,17, 8.5 in)
Weight	16 kgs (35 lbs)
Computer	Standard Computer with 15 Inch High Resolution Screen 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 format) One Button Hand Controller Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

TETHER

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

INTEGRATED ACCESSORIES

LYYN Real Time Video Enhancement Feature

Inquire with an Authorized Sales Representative About Other Available Accessories For This ROV System



VIDEORAY LLC
580 Wall Street
Phoenixville, PA 19460
United States of America
www.videoray.com