



VideoRay Pro 4

Technical Specifications

The VideoRay Pro 4 system includes a pro 4 submersible, Pro 4 Integrated Control Box (ICB), and an industrial hand controller. The system has been specifically configured to quickly and effectively perform a variety of basic underwater tasks. It is portable solution that can be deployed in minutes.



ROV COMPONENTS

GENERAL

Power Requirements 800 watts, 100-240 VAC
Total System Weight 38.5 kgs (85 lbs.)
Cases Two watertight rugged hard cases

SUBMERSIBLE

Depth Rating 305 m (1,000 feet)
Size 37.5, 28.9, 22.3 cm (14.75, 11.4, 8.75 inches)
Weight 6.1 kgs (13.5 lbs) with maximum ballast
Ballast (No tools required) Ballast system with complete stainless ballast set

Propulsion 4.2 knots maximum speed

| | | | |
|------------|--|----------|--|
| Horizontal | 2 brushless thrusters Direct drive 100 mm propellers | Vertical | 1 brushless thruster Geared drive 65mm propeller |
|------------|--|----------|--|

Camera

| | | |
|-------------|---|-------------------|
| Main | High resolution, NTSC format Color and black-and-white Wide dynamic range Digital slow shutter White balance 20+ real-time camera settings | |
| Sensitivity | Color: .4 Lux/30 IRA @ F1.2/AGC max | B&W: .001 Lux DSS |
| View Angle | 90° horizontal/140° diagonal - wide angle | |
| Tilt | 180° control | |

Lighting (2) optimizes LED arrays 3,600 lumens per light (7,200 total)
Forward-looking beam spread covers entire range of main camera

Integrated Sensors

| | |
|-----------------------------|----------------------|
| 3D tilt-compensated compass | Accelerometer |
| Depth sensor | Internal temperature |
| Leak indicator | MEMS Gyro |
| System voltage | |

CONTROL PANEL

Size 53, 43, 22 cm (21, 17, 8.5 in)
Weight 16 kgs (35 lbs)
Computer Dell i5 with panel integration and tilt mount, programmed with complete suite of VideoRay software
Controller Industrial programmable hand controller
Overlay Date, time, depth, heading, customized text, logo
Video Out Digital or analog composite