

# RECREATIONAL ROV CONFIGURATION



## EXPLORER

**THE EXPLORER** ROV System is at the high end of entry level underwater Remotely Operated Vehicle systems. This simple and portable ROV system will give you eyes under the water down to 250 feet without getting wet.

The VideoRay Explorer ROV includes the 8-pound submersible, video control panel, 40 meters (130 feet) of neutrally buoyant performance tether, user manual, and basic tool kit. All components fit into a watertight, rolling Pelican 1620 case that fits easily in the trunk of a car or in an airline luggage compartment.

The Explorer includes a high resolution 160° tilt color camera, water depth meter, auto depth feature, compass heading readout, and run-time meter.



### SYSTEM COMPONENTS

- » Explorer ROV Submersible
- » Explorer Control Panel with 7-Inch Color Monitor
- » Plug and Play Modular Tether:  
40 m (130 ft) Neutral Performance
- » Pelican 1620 Hard Case with Custom Packaging
- » Basic Tool Kit with Complete Ballast Set
- » User Manual



## GENERAL SYSTEM

**Power Requirements:** 100-240 VAC

**Total System Weight:** 32 kg (70 lb)

**Cases:** 2 Watertight Rugged Pelican Cases

**Owners Manual:** Hard Copy & Online Digital

**System Tool Kit:** Basic Tool Kit

**Warranty:** 2 Year Limited

## CONTROL PANEL

**Size:** 40.6, 33, 16.5 cm (16,13, 6.5 in)

**Weight:** 6.8 kgs (15 lbs)

**Computer:** N/A

**Main Display:** 7-Inch Color

**Controller:** Integrated Joystick, Depth Control Knob, Camera Tilt, Auto Depth, Camera Manual Focus

**Recording:** Not included *(Available through external device)*

**Overlay:** Depth Gauge *(ft / m interchangeable)*, Compass

**LCD Display:** Heading, Cumulative Hour Meter, Auto Depth

**Video Out:** Analog Composite

## CAMERA

**Main:** NTSC or PAL Format  
Front - Fixed inside the pressure hull.  
Forward facing wide angle color camera  
- optimized for underwater use

**Tilt:** Variable Tilt with 160° Vertical field-of-view

**Resolution:** 570 Lines

**Sensitivity:** 0.3 lux

**View Angle:** 90° Horizontal/140° Diagonal

## TETHER

**Length:** 40 m (130 ft) Performance Neutral Buoyancy Tether  
8 mm diameter, 454 kg (1,000 lb) breaking strength

**Management:** Available as an option or on the Explorer X3

## INTEGRATED ACCESSORIES

Accessories not available for the Explorer ROV Systems

## SUBMERSIBLE

**Depth Rating:** 76 m (250 ft)

**Size (L, W, H):** 30.5, 23, 21 cm (12, 9, 8.5 in)

**Weight:** 3.6 kgs (8.0 lbs) Submersible

**Ballast Set:** (No Tools Required) Ballast System  
w/ Complete Stainless Ballast Set

## PROPULSION

**Maximum Speed:** 1.9 Knots

**Horizontal:** 2 Brushed / Geared Drive  
50 mm Propellers

**Vertical:** 1 Brushed / Geared Drive  
45 mm Propeller

## INTEGRATED SENSORS

Compass Heading  
Depth Gauge

## LIGHTING

(2) x 20w Halogen Lamps  
Variable Intensity Control

[www.videoray.com](http://www.videoray.com)

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