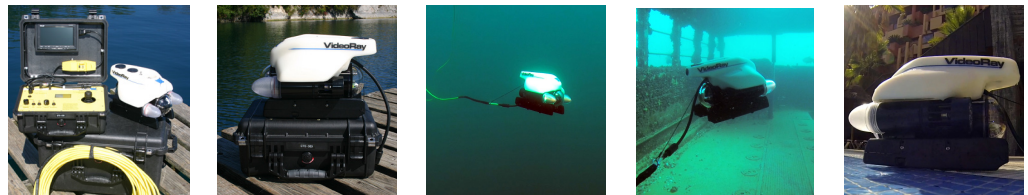


# Product Data Sheet

## 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 INFORMATION

- 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

## 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 with 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

## Lighting

(2) x 20w Halogen Lamps  
Variable Intensity Control

## Integrated Sensors

Compass Heading  
Depth Gauge

## CAMERA

Main NTSC or PAL Format  
Front - Fixed inside the pressure hull.  
Forward facing wide angle color camera - optimized for underwater use  
Variable Tilt with 160° Vertical FoV  
570 Lines  
0.3 lux  
View Angle 90° Horizontal/140° Diagonal

## 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)  
LCD Display Heading, Cumulative Hour Meter, Auto Depth  
Video Out Analog Composite

## 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

