

About

Film-Ocean is an independent subsea contractor providing ROV inspection and intervention services. We specialise in providing innovative, cost effective subsea solutions to the global oil and gas industry and have an extensive track record in performing subsea integrity inspections on floating and fixed structures from the asset or support vessel with a fleet of high specification ROV's.

Micro Class VideoRay ROV System



Product Overview

Film-Ocean's VideoRay ROV system consisting of vehicle, control unit and umbilical comes hand transportable in just two cases and can be transported by helicopter if required quickly. The ROV itself is only 4kg and can be easily deployed by hand from any installation. The VideoRay can be run on either 110 volt or 220 volt supplies and its small control unit means we can work from virtually any sheltered area.

The VideoRay can be used for a variety of tasks including FPSO internal ballast tank inspections, riser inspections, FPSO mooring systems and caissons. All video data is recorded to the hard drive of the ROV control unit and backed up at regular intervals throughout the project. A single function manipulator is available with the ROV. CP and UT can also be carried out using the VideoRay ROV System.

VideoRay ROV Specification

Power: 100-240Vac

Vehicle Dimensions: Length x Width x Height: 37.5cm x 28.9cm x 22.3cm (305m rated)

Weight: 6.1kg (with full ballast set), 38.5kg (total system weight)

Camera

- Main High Resolution NTSC or PAL formats
- Colour and B&W
- Wide Dynamic Range
- Digital Slow Shutter
- White Balance
- 20+ Real Time Camera Settings
- Sensitivity Colour Mode 0.004 lux
- Sensitivity B&W Mode 0.001 lux
- View Angle 90 deg horizontal/140 deg diagonal - wide angle
- Vertical Tilt 180 deg control

Integrated Sensors

- 3D Tilt Compensated Compass Leak Indicator System Voltage
- Accelerometer Water Temperature Depth Sensor
- MEMS Gyro Internal Temperature

Propulsion

- 4.2 knots Maximum Speed
- Horizontal/Vertical 2 Brushless/1 Brushless



Control Panel

- Length 53cm, Width 43cm, Height 22cm
- Weight 16kg
- Computer comprises of Toughbook i5 with panel integration and tilt mount
- VideoRay Cockpit Control Software
- Main Display 15" integrated into panel case
- Industrial Programmable Hand Controller
- Integrated Recording (.wmv, .avi formats)
- One Button Hand Controller Video and Still Image Recording
- Overlay comprising of Date, Time, Depth, Heading, Customised Text, Logo
- Video Out Digital or Analog Composite

Lighting

- 2 Optimised LED Arrays forward looking Beam Spread covers entire range of main camera
- 3,600 lumens

