



## **Pilot™3000Zoom**

High Quality Low Light Underwater Color Camera

The Rovsco line of underwater video products offers a complete range of highest quality color and monochrome video cameras. These cameras are designed to provide exceptionally clear video images in the deep ocean. They are built to withstand the offshore subsea environment and work flawlessly for many years.

The Rovsco Pilot 3000Zoom color video camera is based on CCD technology. Packaged in a titanium housing, this underwater video camera provides high quality video with 18:1 Optical Zoom and 12X Digital Zoom at low light conditions (0.02 lux) and with 470 TV lines of resolution. This camera is equipped with a wide angle lens and a water corrected acrylic viewport, which has similar refractive properties to that of seawater and makes it a preferred choice for underwater video clarity.

Rated to 3000 meter depth for today's deep ocean ROVs, Pilot 3000Zoom is a perfect tool for inspection and general viewing in deepsea environment.

PAL or NTSC



### **Features**

- 18:1 Optical Zoom, 12X Digital Zoom
- 0.02 lux faceplate sensitivity
- High Resolution (470 Lines)
- Water Corrected Viewport
- Wide Angle
- Titanium Housing
- 3000m Depth

### **Applications**

- ROVs
- AUVs
- Homeland Security
- Surveillance



# Pilot™3000Zoom

## Color Camera

### Specification

#### Electronics

Image Device	1/4" EXview HAD CCD
Resolution	470 TV Lines (minimum) NTSC 460 TV Lines PAL
Sensitivity (faceplate)	0.02 lux - usable video 0.05 lux - for full resolution
Scene Illumination	0.7 lux - for full resolution
Iris	Auto, f/1.4 - f/22
Signal to Noise Ratio	>50 db
Video Output	1.0 V p-p composite
Power	11-30 VDC, 430 ma
Standard Connector	Many connector options available, Standard connector 55 series metal shell

#### Optical

Optical Zoom	18:1 (4.1 mm to 73.8 mm focal length)
Digital Zoom	12X
Field of View	(in water) 65.9° Diagonal
Focus	(In wide angle mode) 1/2 inch to infinity (In max Zoom mode) 800 mm to infinity

#### Environmental

Storage Temperature	-10° C to +50° C
Operating Temperature	0° C to +40° C
Depth Rating	3000m

#### Mechanical

Housing Material	Titanium
Size	Length: 8.1 inch (205.7 mm) excluding connector Diameter: Main Body: 3.50 inch (88.9 mm) Front End: 4.00 inch (101.6 mm)
Weight in Air	2.56 kg
Weight in water	0.85 kg

All specifications are subject to change without notice in line with Rovsco's policy of ongoing product development

## ROVSCO® , Inc.

5263 Barker Cypress Road, Suite 600  
P.O. Box 218570  
Houston, Texas 77218-8570  
U.S.A.  
Tel: +1 281 858 6333  
Fax: +1 281 858 6363  
Email: [sales@rovSCO.com](mailto:sales@rovSCO.com)  
<http://www.rovSCO.com>