

The Rovsco line of underwater video products, offers a complete range of highest quality color and extremely low light monochrome video cameras. These cameras are designed to provide exceptionally clear video images from the deep ocean. They are built to withstand the deepsea environment and work flawlessly providing many years of service.

The Rovsco Pilot 3000 video camera is based on CCD technology. Packaged in a titanium housing, it provides high quality monochrome video at extremely low light conditions (.00015 lux). Rated to 3000 meter depth for today's deep ocean ROVs, it's a perfect choice to operate in low light conditions. The camera provides 570 TV lines of video resolution and is equipped with a wide angle lens to provide a great coverage. The camera is fitted with a water corrected acrylic port which has similar refractive properties to that of seawater. This makes it a preferred choice for viewing in seawater conditions.

PAL or NTSC



Features

- ◆ Sensitivity (.00015 lux)
- ◆ High Resolution (570 TV Lines)
- ◆ Water Corrected Viewport
- ◆ Wide Angle
- ◆ Titanium Housing
- ◆ 3000m Depth

Applications

- ◆ ROVs
- ◆ AUVs
- ◆ Homeland Security
- ◆ Surveillance



Pilot 3000 Specification

Electronics

Image Device	½" Interline Transfer CCD
Resolution	570 TV Lines (minimum)
Pixels	811 (H) x 508 (V) (EIA) 795 (H) x 596 (V) (CCIR)
Sensitivity	1.4 x 10 ⁻⁴ lux (faceplate)
Iris	Auto
Signal to Noise Ratio	>50 db
Video Output	1.0 V p-p composite
Voltage	11-30 VDC
*Standard Connector	Burton 5506-1508 *Other connectors available

Optical

Focal Length	3.6 mm, F1.0
Field of View (in water)	82.4° Horizontal, 65.7° Vertical, 94.6° Diagonal
Focus	Fixed (5 inch 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: 3.3 inch (84 mm) Front End: 3.63 inch (92 mm)
Weight in Air	2.58 kg
Weight in water	0.95 kg

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

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