

OUTSTANDING ZOOM CAPABILITIES

QUALITY YOU CAN COUNT ON...
INTEGRITY YOU CAN TRUST.

The key to a quality video system is the camera. The lighting, pan & tilt and console are integral parts of the system but it is the camera that you rely on to produce quality images. The Sony module used in the RT-200, features a 36x lens that provides high TELEPHOTO zoom capability (1.7° H-FOV) and a WIDE horizontal field of view of 57.8° and a 1.7° telephoto capability. With its 36x optical zoom lens, the RT-200 camera allows for a zoom capability of up to 432x when used in combination with its 12x digital zoom. Users can zoom in on small or distant objects with exceptional clarity.

Comprehensive control features were developed for inspection applications in the nuclear industry in areas where the radiation level is comparatively low. The RT-200 has found applications in both hazardous and non-hazardous environments.

If the RT-200 is mounted without a pan & tilt, an annular LED light ring is an option. When used in



Black Anodized RT-200 Color Camera, SPT-550 series Pan & Tilt and high power white LED "Illuminator" lights.

conjunction with, the SPT-550 series pan & tilt and high power Illuminator white LED lights, you have a system that gives optimal performance.

All functions are remotely operated from the Control Unit by multiplexed control signals superimposed on the "Y" video signal. Among the additional features controlled from the CCU are left-right inversion for use when the camera is viewing through a mirror, image stabilization, which provides a stable image when the camera is subject to vibrations and auto/manual focus and fast/slow zoom speeds.



Stainless Steel RT-200 with Annular LED light ring.



Contact Lights Camera Action, LLC for a quote on high radiation cameras, lighting and associated equipment.

(480) 345-0642 · EMAIL: SALES@LIGHTS-CAMERA-ACTION.NET

RT-200 COLOR ZOOM CAMERA

CAMERA PERFORMANCE & SPECIFICATIONS

- ◆ Diameter 75mm (2.95")
- ◆ Length..... 120mm (4.72")
- ◆ Power 12VDC @ approximately 150mA
- ◆ Connection 12 pole sealed Lemo socket on rear face of camera

ENVIRONMENTAL

- ◆ Temperature 0° - 50° C
- ◆ Radiation Tolerance..... 2 x 10⁴ Rad total dose
200 Rad/Hr dose rate

ELECTRICAL

- ◆ Video Signal "S" video with separate chrominance and luminance signals to give best quality on a suitable monitor and allowing the use of an SVHS or DVR video recorder. Standard composite signal also available from the control unit.
- ◆ Scanning Format 625 lines, 50 fields/sec, 2:1 interlace (CCIR)
525 lines, 60 fields/sec, 2:1 interlace (EIA RS170)
- ◆ Minimum Object Distance.... 300mm (11.8") Wide
1500mm (4'11") Tele
- ◆ Resolution..... 530 TVL ("S" video or monochrome)
- ◆ Sensitivity Minimum Illumination - 1.4 lx
Recommended Illumination 100 lux
- ◆ Image Format 4.8 x 3.6 mm (1/3") format
- ◆ Optical Interface Camera incorporates integral 36:1 zoom lens (1.7° - 58°) plus 12x Digital zoom (with reduced quality)
- ◆ White Balance Automatic

CAMERA CONTROL UNIT PERFORMANCE AND SPECIFICATIONS

- ◆ Y/C Output Mini DIN connector
- Composite Video Out 75 ohm BNC
- Camera Connector 7 pole LEMO underwater connector
- Digital Video Output..... Standard 4 pin Firewire connector
- ◆ Dimensions..... Rack Mount: 2U rack mount
Desk Top: 270mm (10.63") wide x 275mm (10.83") deep x 130mm (5.12") high at rear x 55 (2.17") at front (sloping panel)
- ◆ Control Functions Push buttons for Auto/Manual focus (toggled), Zoom Fast/Slow (toggled), Focus Near/Far and Zoom In/Out.
Push buttons for Digital Zoom On/Off, L/R Invert On/Off, Image Stabilization On/Off and Backlight compensation On/Off.
Push buttons or joystick for Pan & Tilt controls (if specified)
Variable brightness lighting control with Off position (if specified)
- ◆ Weight 4.1 kg. (9.4 lbs.)
- ◆ Electrical Supply 110/220VAC 50/60 Hz.

RT-200-WA - \$CALL FOR PRICING
 SP-550-WA - \$CALL FOR PRICING
 LED-767-WA - \$CALL FOR PRICING
 WA = UNDERWATER, ALUMINUM HOUSING



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