

RH-300

THE BEST HIGH RAD CAMERA IN THE INDUSTRY

APPLICATIONS:

- ❖ Remote Viewing for Robotics and Manipulators
- ❖ Reactor Inspection
- ❖ Fuel Monitoring
- ❖ Pipe and Tube Inspection
- ❖ Serial Number Verification
- ❖ Underwater Surveillance
- ❖ ALARA
- ❖ FOSAR
- ❖ Remote Tooling
- ❖ Spent Fuel Pool Inspection
- ❖ Fuel Bundle Failure Analysis
- ❖ Remote Monitoring of Hot Cells

FEATURES:

- ❖ Compact Nuclear Inspection Tool
- ❖ 2×10^8 Rad Accumulated Radiation Dose
- ❖ 2/3" Chalnicon Tube
- ❖ Fixed or Zoom Non-Browning Lens
- ❖ With or without internal LED lights
- ❖ Diameter: from 34mm (1.34")
- ❖ Length: from 265mm (10.43")
- ❖ Stainless Steel or Aluminum Housing
- ❖ Rack Mount or Desktop Controller
- ❖ Flexible 5.5mm (.22") Diameter Cable
- ❖ Manufactured in the United Kingdom for Lights Camera Action LLC

QUALITY YOU CAN COUNT ON...

Whether you need to inspect the lower internals or find an FME, the compact RH-300 series high rad camera is your tool of choice when radiation is high and space is limited.

The RH-300 incorporates an all-magnetic Chalnicon tube to provide excellent resolution and freedom from image burn-in. A tube beam current stabilizer automatically compensates as the cathode emission diminishes with age, eliminating the need for regular adjustment. The modular construction of the internal assemblies allow for easy removal for repair or replacement of components.

The RH-300 works in harmony with the CCU300 controller. Circuits used to generate the voltages and waveforms required by the camera head are located on two circuit boards in the CCU300.

If our standard equipment does not quite fit your requirements we can custom design equipment to your specifications. Are you ready to purchase the best high radiation camera in the industry?

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



RH-300 SERIES CAMERA

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

CAMERA PERFORMANCE & SPECIFICATIONS

- ❖ Diameter 41.5mm (1.63") with zoom lens
- ❖ Length..... 286mm (11.26") with zoom lens
- ❖ Weight 1.2 Kg (2.65 lb.) enclosed with zoom lens
- ❖ Optics 8-24mm non-browning 3:1 zoom lens

ENVIRONMENTAL

- ❖ Operating Temperature..... -25° to 45° C (-13° to 113° F) continuous operation
- ❖ Storage Temperature..... -25° to 60° C (-13° to 140° F)
- ❖ Radiation Tolerance..... 2 x 10⁸ Rad total dose
 10⁶ Rad/Hr dose rate

ELECTRICAL

- ❖ Video Signal 1V composite to EIA or CCIR standard
 Peak white limit +0.9V
 Sync pulses 0.3V
 Black level clamp, variable gamma correction, aperture correction
- ❖ Sync System..... Crystal controlled; Automatic Genlocking to external source of mixed sync or composite video
- ❖ Signal to Noise Ratio 43db
- ❖ Spectral Response 375 - 725 nM (50%)
- ❖ Sensitivity 20 lux on faceplate for full image quality
 2 lux at maximum video gain at reduced quality
- ❖ Scanning Format 625 lines, 50 fields/sec, 2:1 interlace (CCIR)
 525 lines, 60 fields/sec, 2:1 interlace (EIA RS170)
- ❖ Resolution..... 700 Horizontal TV lines (Center)
- ❖ Camera Power..... 12VDC @ approximately 651mA (11-14V acceptable)

CAMERA CONTROL UNIT PERFORMANCE AND SPECIFICATIONS

- ❖ Dimensions..... Rack Mount:
 Desk Top: 310mm x 100mm x 260mm (12.2" x 3.93" x 10.24")
- ❖ Weight 4.1 kg. (9.4 lbs.)
- ❖ Electrical Supply 110/220VAC 50/60 Hz.



1730 W SUNRISE BLVD, STE B102 • GILBERT, AZ 85233-5023
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RH-300

2 X 10⁸ RAD TOTAL DOSE
HIGH RADIATION CAMERA

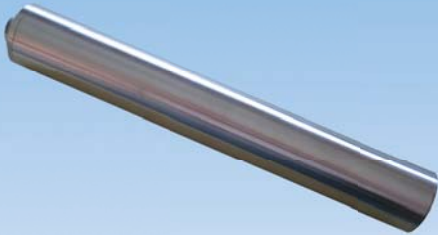
RH-300 SERIES CAMERA

RH-300WS-24L

SYSTEM PRICING:

- ❖ RH-300WS-24L: RH-300 camera w/ 8-24mm zoom lens, LEDs & Stainless Steel Housing
- ❖ CCU300R or CCU300D: Rack Mount or Desktop Controller
- ❖ RH-CA-F100: 100 ft. polyurethane cable

\$CALL FOR PRICING
PRICES ARE SUBJECT TO CHANGE BASED ON
THE INTERNATIONAL EXCHANGE RATE.



RH-300WS-24L



CCU300R

RH-300WA-24L

SYSTEM PRICING:

- ❖ RH-300WA-24L: RH-300 camera w/ 8-24mm zoom lens, LEDs & Anodized Aluminum Housing
- ❖ CCU300R or CCU300D: Rack Mount or Desktop Controller
- ❖ RH-CA-F100: 100 ft. polyurethane cable

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