

RH-400

THE MOST VERSATILE HIGH RAD CAMERA

RH-400 SERIES CAMERA

APPLICATIONS:

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

FEATURES:

- ❖ Compact Nuclear Inspection Tool
- ❖ 7×10^7 Rad Accumulated Radiation Dose
- ❖ 2/3" Chalnicon Tube
- ❖ Fixed or Zoom Non-Browning Lens
- ❖ With or without internal LED lights
- ❖ Diameter: from 63mm (2.48")
- ❖ Length: from 172mm (6.77")
- ❖ Stainless Steel or Aluminum Housing
- ❖ Rack Mount or Desktop Controller
- ❖ Flexible 6mm (.236") 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-400 series high rad camera is your tool of choice.

At the heart of the RH-400 is an all-magnetic Chalnicon tube which provides 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-400 is multiplexed. That means there are only four conductors used to control the zoom lens, the internal LED lights and provide power to the camera. You can even add a multiplexed pan & tilt positioner.

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

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

CAMERA PERFORMANCE & SPECIFICATIONS

- ❖ Diameter 63mm (2.48") with 8:24mm zoom lens
- ❖ Length..... 172mm (6.77") with 8:24mm zoom lens
- ❖ Weight 825g (1.8 lb.) enclosed with zoom lens
- ❖ Diameter 85mm (1.34") with 12-72mm zoom lens
- ❖ Length..... 300 mm (10.43") with 12-72mm zoom lens
- ❖ Weight 1.7Kg (3.75 lb.) enclosed with zoom lens
- ❖ Optics A variety of non-browning lenses are available per specification
Standard fixed focus lenses available: 6mm, 9mm, 25mm
Zoom lenses available: 8-24mm, 12-72mm, 22-90mm

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..... 7 x 10⁷ 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 1.5 lux on faceplate for full image quality
0.15 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)
- ❖ Cable 4 Conductor - 6mm (.236") diam

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-400WS-24L SYSTEM PRICING:

- ❖ RH-400WS-24L: RH-400 camera w/ 8-24mm zoom lens, LEDs & Stainless Steel Housing
- ❖ CCU400R or CCU400D: 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-400WS-24L



CCU400R

RH-400WA-24L SYSTEM PRICING:

- ❖ RH-400WA-24L: RH-400 camera w/ 8-24mm zoom lens, LEDs & Aluminum Housing
- ❖ CCU400R or CCU400D: Rack Mount or Desktop Controller
- ❖ RH-CA-F100: 100 ft. polyurethane cable

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