



MINI-RAD F30 HD

HIGH RADIATION TOLERANT MINI HD CAMERA WITH MOTORIZED FOCUS

ahlbergcameras.com/products/cameras/mini-rad-f30-hd



The Mini-RAD F30 HD is a compact, high-radiation-tolerant color camera with motorized focus, designed for performance in extreme environments and ideal for confined spaces. Its small, robust camera module withstands up to 5 Megarad, and when shielded up to 10 Megarad. It enables reliable operation in areas where previously only monochrome tube cameras were possible

MORE INFORMATION ABOUT MINI-RAD F30 HD

APPLICATIONS

- Suitable for mounting on an actuator or tool
- Single fuel rod inspection
- On Refueling Machine Mast or manipulator
- Welding applications
- Inspection of graphite surfaces – AGR Reactors

BENEFITS

- Small size
- High radiation tolerant
- Motorized focus
- The lights in the internal LED-ring can operate underwater as well as in air

BENEFITS

- 2 channels for individual LED light control
- Available with non-browning lens
- Mirror attachment as option
- Additional shielding as option

BENEFITS

- Additional shielding as option
- Different lense options
- Can be operated while suspended by cable only
- Operates via CCU50 series

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	30 mm
Length	138 mm
Weight	400 g
Housing material	Stainless steel
Front glass material	Quartz glass (non browning)

OPTICAL FEATURES

Resolution	720p
Focal length	2.9 - 8.0 depending on lens options
Field of view in air	H71° x V43°, H57° x V34°, H52° x V31°...
Field of view in water	H53° x V32°, H43° x V26°, H39° x V23°....

ENVIRONMENTAL TOLERANCES

Radiation Tolerance (dose rate)	1 000 Gy/h (100 000 rad/h)
Radiation Tolerance (total dose)	50 000 Gy (5 000 000 rad)
Maximum Operating Temperature	50 C
Water Tightness	min 3.5 bar

We reserve the right to alter specifications without prior notice

INTEGRATED LIGHTNING

Type	4 LED-Lights
Output	800 lumen, 4500 K

We reserve the right to alter specifications without prior notice

MINI-RAD F30 HD IMAGES



We reserve the right to alter specifications without prior notice