



MINI-RAD F30 HD M

HIGH RADIATION TOLERANT MINI HD CAMERA WITH
MOTORIZED FOCUS

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



The Mini-RAD F30 HD is a compact, high-radiation-tolerant color camera with motorized focus designed for performance in extreme environments and is ideal for confined spaces. Its small, robust camera module withstands up to 50kGy, and when shielded up to 100kGy. It enables reliable operation in areas where previously only monochrome tube cameras were possible.

The Mini-RAD F30 HD M is equipped with a mirror attachment. It provides reliable inspection inside tubes and other confined or narrow spaces where direct viewing is not possible

MORE INFORMATION ABOUT MINI-RAD F30 HD M

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
- Shielding attachment as option

BENEFITS

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

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	30 mm
Length	166mm
Weight	500 g
Housing material	Stainless steel
Front glass material	Polycarbonate

OPTICAL FEATURES

Resolution	720p
Focal length	4.0 - 8.0 depending on lens options
Field of view in air	H52° x V31°, H34° x V21°, H26° x V15°...
Field of view in water	H39° x V23°, H26° x V16°, H20° x V12°....

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	3.5 bar

We reserve the right to alter specifications without prior notice

INTEGRATED LIGHTNING

Type	4 LED-Lights
Output	800 lumen, 4500 K

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MINI-RAD F30 HD M IMAGES



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