



# MINI-RAD F30 HD M

HIGH RADIATION TOLERANT MINI HD CAMERA WITH MIRROR AND MOTORIZED FOCUS

[ahlbergcameras.com/products/cameras/mini-rad-f30-hd-m](http://ahlbergcameras.com/products/cameras/mini-rad-f30-hd-m)



The Mini-RAD F30 HD is a compact, high-radiation-tolerant color camera with mirror and motorized focus designed for performance in extreme environments and is ideal for confined spaces. Its small, robust camera module withstands up to 50k-Gy, 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	Quartz glass (non browning)

### 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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