



## MINI-RAD F30 HD M

IGH 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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