



# MINI-RAD F30 HD

## HIGH RADIATION TOLERANT MINI HD CAMERA WITH MOTORIZED FOCUS

The Mini-Rad F30 HD is a compact high radiation tolerant color camera with motorized focus. The small sized camera module inside resists 5 Megarad, when shielded it can be used in environments where previously only tube cameras could be used.

### APPLICATIONS

- Suitable for placement on an actuator or tool used for inspection and monitoring of confined spaces
- Controlled by the CCU50 which controls camera on/off, focus and manual adjustments of the lights

### BENEFITS

- Small size
- Very radiation tolerant
- Motorized focus
- The lights in the internal LED-ring can operate underwater as well as in air
- 2 channels for individual LED light control
- Available with non-browning lens
- Mirror attachment available

### SPECIFICATIONS

Diameter	30 mm (1.18")
Length	138 mm (5.4"), 166 mm (6.5") with mirror
Weight	400g (0.9 lbs), 500g (1.2 lbs) with mirror
Housing material	Stainless steel
Radiation tolerance (dose rate)	1 000 Gy/h (100 000 rad/h)
Radiation tolerance (total dose)	49 000 Gy (4 900 000 rad)
Maximum temperature	50°C, 122°F
Water tightness	min 3.5 bar, 50 psi
IP classification	IP68
Resolution HD version	720p
Lights	LED, 2 channels x 4 lights, 800 lm, 4500 K

#### CALCULATED VALUES FOR DIFFERENT LENS OPTIONS

Focal length	2.9 mm (cropped image with mirror)
Field of view in air	H71° x V43°
Field of view in water	H53° x V32°
Focal length	3.6 mm (cropped image with mirror)
Field of view in air	H57° x V34°
Field of view in water	H43° x V26°
Focal length	4.0 mm

*We reserve the right to alter specifications without prior notice*

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Field of view in air	H52° x V31°
Field of view in water	H39° x V23°
Focal length	6.0 mm
Field of view in air	H34° x V21°
Field of view in water	H26° x V16°
Focal length	8.0 mm
Field of view in air	H26° x V16°
Field of view in water	H20° x V12°
Focal length, non-browning lens	5.0 mm
Field of view in air	H41° x V25°
Field of view in water	H30° x V18°

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## MINI-RAD F30 HD IMAGES



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