



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

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|----------------------------------|--|
| 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

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|------------------------|------------------------------------|
| 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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