



Mast Camera 180

BWR REFUELING MACHINE CAMERA

ahlbergcameras.com/products/systems/mast-camera-180



The Mast Camera 180 is a high radiation tolerant camera designed for permanent installation on a BWR refueling machine mast. It enables the machine operator to read the fuel assembly top nozzle identification number and view the fuel assembly lower part to facilitate core grid guidance. It is excellent in a BWR for supervision during fuel handling and core mapping.

MORE INFORMATION ABOUT MAST CAMERA 180

APPLICATIONS

- Supervision during fuel handling
- Used for core mapping

BENEFITS

- Auto-positioning functions of zoom, tilt, and focus
- Tilting mirror to see gripper and guide fuel into the right position

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	154 mm
Length	290 mm
Height	120 mm
Weight	5.8 kg
Housing material	Stainless steel EN 1.4303 anodized aluminum
Front glass material	Polycarbonate

OPTICAL FEATURES

Resolution SD Version	720 TV-lines
Resolution HD Version	720p
Zoom	x10 optical x10 digital giving x100
Minimum Distance to Object	5 mm (0.20")

ENVIRONMENTAL TOLERANCES

Radiation Tolerance (dose rate)	1 000 Gy/h (100 000 rad/h)
Radiation Tolerance (total dose)	10 000 Gy (1 000 000 rad)
Maximum Operating Temperature	50°C
Water Tightness	5 bar

We reserve the right to alter specifications without prior notice



MECHANICAL FEATURES

Tilting Mirror0-45°

INTEGRATED LIGHTNING

Type4 x S40-35RA Halogen

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MAST CAMERA 180 IMAGES



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