



Mast Camera 200 HD

BWR REFUELING MACHINE CAMERA

ahlbergcameras.com/products/systems/mast-camera-200-hd



The Mast Camera 200 HD is a high radiation tolerant Full-HD camera designed for permanent or temporary installation on a BWR refueling machine mast. It enables the machine operator to read the serial number on the upper tie plate / bail handle. It also helps the operator to view the lower tie plate / nose cone area when guiding the fuel back through the top guide. The Mast Camera 200 HD is excellent in a BWR for supervision during fuel handling and core mapping.

MORE INFORMATION ABOUT MAST CAMERA 200HD

APPLICATIONS

- Supervision during fuel handling
- Core mapping

BENEFITS

- The new Mast Camera 200 HD can easily be incorporated to existing Mast Camera systems
- Auto-positioning functions of zoom, tilt, and focus
- 4 lights aimed at fuel assembly lower end at 4-5m (13-16 ft), 2 lights aimed at gripper at 0,5-1,0m (1.6-3.3 ft)
- 10x more light sensitive than previous Mast Camera version

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

| | |
|----------------------|---|
| Width | 147 mm |
| Length | 264 mm |
| Height | 138 mm |
| Weight | 5.8 kg |
| Housing material | Stainless steel EN 1.4303 anodized aluminum |
| Front glass material | Polycarbonate |

OPTICAL FEATURES

| | |
|------------|-----------------------------------|
| Resolution | 1080p, 25/30 fps |
| Zoom | x10 optical x4 digital giving x40 |

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 | 3 bar |

INTEGRATED LIGHTNING

| | |
|--------|--------------|
| Type | 6 LED-lights |
| Output | 5400 lumen |

We reserve the right to alter specifications without prior notice



MAST CAMERA 200 HD IMAGES



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