



## **Mast Camera 200 HD**

#### **BWR REFUELING MACHINE CAMERA**

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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

wiatn	147 mm
Length	264 mm
Heigth	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 tps
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

We reserve the right to alter specifications without prior notice

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Output 5400 lumen

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### MAST CAMERA 200 HD IMAGES









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