



# MAST CAMERA 180

## BWR REFUELING MACHINE CAMERA

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 also 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.

### APPLICATIONS

- Supervision during fuel handling
- Used for core mapping

### BENEFITS

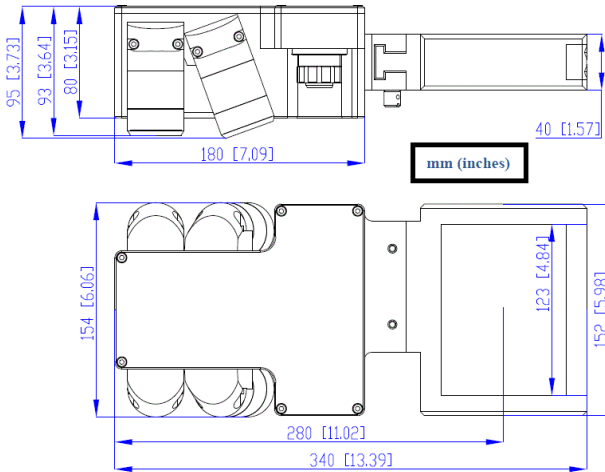
- Auto-positioning functions of zoom, tilt and focus
- Tilting mirror to see gripper and guide fuel into the right position

### SPECIFICATIONS

Dimensions (L*W*H)	290x154x120 mm (11.43"x6.07"x4.73")
Weight	5.8 kg (12.8 lbs)
Housing material	Stainless steel EN 1.4303 anodized aluminum
Maximum temperature	50°C (122°F)
Water tightness	5 bar, (50 m)
Zoom	x10 optical x10 digital giving x100
Resolution SD version	720 TV-lines
Resolution HD version	720p
Minimum distance to object	5 mm (0.20")
Lights	4 x S40-35RA Halogen
Radiation tolerance (dose rate)	1 000 Gy/h (100 000 rad/h)
Radiation tolerance (total dose)	10 000 Gy (1 000 000 rad)
Tilting mirror	0-45°

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

### MAST CAMERA 180 IMAGES



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