



Z160

FUEL INSPECTION HD CAMERA

The Z160 was developed for detailed close-up inspections of highly irradiating fuel. It is used in 4-face fuel inspection systems, fresh fuel elevators, fuel preparation machines and other manipulators where high quality color HD or SD images are required. Functions like active camera cooling and tilt can be provided.

APPLICATIONS

- For placement in 4-face fuel inspection systems, fresh fuel elevators, fuel preparation machines or other manipulators where the camera has to meet exceptional demands due to the placement close to fuel assemblies and fuel rods.

BENEFITS

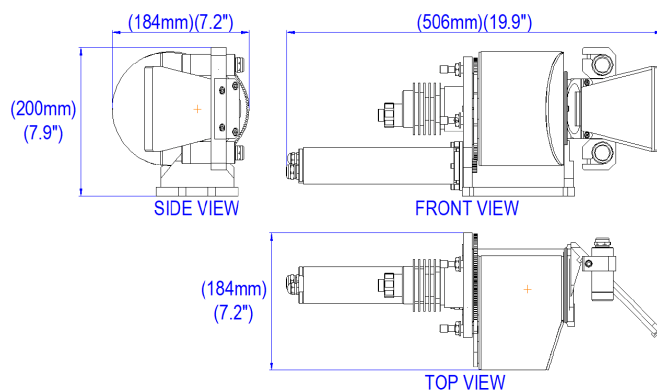
- Auto-focus and auto-iris
- Robust high-resolution radiation tolerant camera
- Active camera cooling optional
- Tilt function can be provided if required
- Available in SD or HD video version

SPECIFICATIONS

| | |
|----------------------------------|---|
| Diameter | 171 mm (6.7") |
| Length | 387 mm (15.2") |
| Weight | 25.4 kg (56.0 lbs) |
| Housing material | Stainless steel EN 1.4301, AISI 304, anodized aluminum |
| Radiation tolerance (dose rate) | up to 10 000 Gy/h (1 000 000 rad/h) |
| Radiation tolerance (total dose) | 200 000 Gy (20 000 000 rad) |
| Maximum temperature | 50°C, 70°C with active cooling (122°F, 158°F with active cooling) |
| Water tightness | min 3.5 bar (50 psi) |
| Zoom | x10 optical x10 digital giving x100 |
| Minimum distance to object | 5 mm (0.20") |
| SD horizontal angle of view | 36° (wide end) to 5.1° (tele end) |
| HD horizontal angle of view | 50° (wide end) to 5.4° (tele end) |
| Resolution SD version | 720 TV-lines |
| Resolution HD version | 720p |
| Lights | in tilt version N160TZ |
| Tilt angle | 0° to 90° (optional) |

We reserve the right to alter specifications without prior notice

Z160 IMAGES



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