



Z71

HD ZOOM CAMERA

ahlbergcameras.com/products/cameras/z71



The Z71 is a radiation-hardened HD zoom color camera designed for demanding nuclear applications. It delivers high-resolution imaging with outstanding color reproduction and exceptional low-light sensitivity, ensuring clear and reliable visuals even in challenging environments.

MORE INFORMATION ABOUT Z71

APPLICATIONS

- Designed for underwater use in radiation areas
- Suitable camera for tooling when pan & tilt movements are not necessary

BENEFITS

- Auto-focus and auto-iris
- Powerful optical zoom
- Easy maintenance
- Low light sensitivity
- Easy to mount on a pan & tilt unit

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	84 mm
Length	209 mm
Weight	1.2 kg
Housing material	Stainless steel EN 1.4301
Front glass material	Polycarbonate

OPTICAL FEATURES

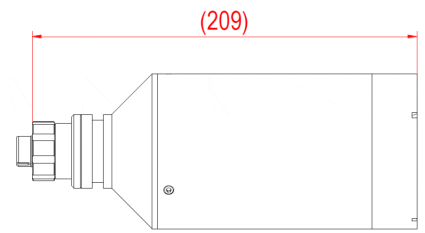
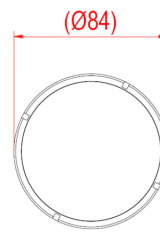
Resolution SD	470-720 TV-lines
Resolution HD	720p
Zoom	x10-x18 optical x4-x10 digital (depending on module choice)
SD horizontal angle of view	~50° (wide end), ~5° (tele end)
Minimum distance to object	5 mm (0.20")

ENVIRONMENTAL TOLERANCES

Radiation Tolerance (dose rate)	500 Gy/h (50 000 rad/h)
Radiation Tolerance (total dose)	1 200 Gy (120 000 rad)
Maximum Operating Temperature	50°C (short-term up to 70°C) 122°F (short-term up to 158°F)
Water Tightness	3.5 bar

We reserve the right to alter specifications without prior notice

Z71 IMAGES



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