



Z630

HD ZOOM CAMERA

ahlbergcameras.com/products/cameras/z630



The Z630 is a radiation-tolerant color zoom camera designed for precision inspections in confined spaces. It delivers sharp focus and detailed close-up imaging, supported by twelve powerful front-mounted LED lights for superior visibility. Compact and robust, the Z630 is ideal for applications in tight areas such as beltline regions, nozzles, and pipes, where reliable performance is critical.

MORE INFORMATION ABOUT Z630

APPLICATIONS

- Designed for underwater use in a higher radiation areas
- Suitable camera for tooling when pan & tilt movements are not necessary
- Welding applications
- Inside beltline

BENEFITS

- Auto-focus and auto-iris
- Powerful optical zoom
- Easy maintenance
- Small camera- Ø 62 mm
- 12 high powered LED lights
- Available in SD & HD versions
- Can be operated while suspended by cable only

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	62 mm
Length	264 mm
Weight	6 kg
Housing material	Stainless steel EN 1.4301/EN 1.4436, AISI 304/AISI 316, Anodized Aluminum
Front glass material	Polycarbonate

OPTICAL FEATURES

Resolution HD version	720p
Resolution SD version	720 TV-lines
Zoom	x100 (x10 optical, x10 digital)
HD Horizontal Angle of View	50°(wide end) to 5°(tele end)
SD Horizontal Angle of View	35° (wide end), 5° (tele end)

MECHANICAL FEATURES

Pan Angle	360°
Tilt Angle	±55°

ENVIRONMENTAL TOLERANCES

Radiation Tolerance (dose rate)	500 Gy/h (50 000 rad/h)
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We reserve the right to alter specifications without prior notice



Radiation Tolerance (total dose)	5 000 Gy (500 000 rad)
Maximum Operating Temperature	50°C
Water Tightness	min 3.5 bar

INTEGRATED LIGHTNING

Type (optional)	12 ea high power internal LED lights
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Z630 IMAGES



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