



PTZ620

COMPACT PTZ HD CAMERA SYSTEM
ahlbergcameras.com/products/cameras/ptz620



The PTZ620 is a state-of-the-art, radiation-tolerant pan-and-tilt color camera engineered for high-resolution inspections in confined spaces. Its compact size and rugged design make it ideal for demanding applications such as pipes, reactor internals, and BWR jet pumps, where precision and reliability are critical. The PTZ620 has also become the go-to camera for in-fuel channel inspections at CANDU reactors during MCR projects, proving its unmatched performance in the field

MORE INFORMATION ABOUT PTZ620

APPLICATIONS

- In-fuel channel inspection
- Close-up inspection in high-radiation areas
- Ideal for use in areas with limited space such as the belt-line area and inside nozzles and pipes.
- Fits in the flow holes of a PWR reactor and can perform inspections underneath the core plate

BENEFITS

- Extensiv zoom
- Auto-focus and auto-iris
- Remotely controlled LED intensity
- High radiation tolerance
- Small diameter, Ø 62mm
- Mirror tilt function enabling it to look either straight or 90 degrees +-20 degrees

BENEFITS

- 12 high powered LED lights
- Available in SD/HD video versions
- Can be operated while suspended by cable only

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	62 mm
Length	425 mm
Weight	7.5 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)	3 500 Gy (350 000 rad)
Maximum Operating Temperature	50°C
Water Tightness	min 3.5 bar

INTEGRATED LIGHTNING

Type	LED
Output	600 lumen

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PTZ620 IMAGES



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