



N35HR

UNDERWATER MONOCHROME TUBE CAMERA

The N35HR is a monochrome tube B/W camera designed for inspections in areas with very high radiation. The camera has a non-browning lens that withstands high radiation without having its optical performance reduced.

APPLICATIONS

- Ideal for inspections of high radiation parts of reactor vessels and internal parts in reactors
- For special inspection of high-radiation areas with very limited access
- For surveillance during fuel assembly examinations
- Must be controlled by Ahlberg CCU35 or PIS35 control units

BENEFITS

- Temperature tolerant
- Made for both underwater and CCTV usages
- Available with Chalnicon or Vidicon camera tube

SPECIFICATIONS

Weight	1.0 kg with fixed focus, 1.2 kg with zoom lens
Diameter	41.5 mm with fixed focus or x3 zoom lens, 80 mm with x6 or x10 zoom lens
Length	320 mm with fixed focus or x3 zoom, 380 mm with x6 or x10 zoom
Housing material	Stainless steel EN 1.4301/EN 1.4436, AISI 304/AISI 316
Radiation tolerance (dose rate)	10 000 Gy/h (1 000 000 rad/h)
Radiation tolerance (total dose)	1 600 000 Gy (160 000 000 rad)
Radiation tolerance neutrons	Very high
Maximum temperature	50°C, short-term up to 60°C
Water tightness	min 3.5 bar (50 psi)
Zoom	Fixed focus, x3, x6 or x10 optical zoom
Minimum distance to object	15 mm
Resolution SD version	650 TV-lines
Lights	Internal LED lights

We reserve the right to alter specifications without prior notice

N35HR IMAGES



41.5mm



320mm



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