

HI-RAD L FHD

SERVICE INSPECTION CAMERA

ahlbergcameras.com/products/cameras/hi-rad-l-fhd

The HI-RAD L FHD can be used for applications where the radiation level is high and where camera size is less crucial, e.g. during core mapping and baffle plate inspections. This new 4th generation of HI-RAD comes with Full High Definition at 1080p.

MORE INFORMATION ABOUT HI-RAD L FHD

APPLICATIONS

- Baffle Bolt Inspection
- Bottom Nozzle Inspection
- S/N Identification
- Fuel Inspection
- FOSAR-Foreign Object Search and Retrieval
- Spent Fuel Pool Inventory
- Gap Checks
- Real Time Core Verification
- ISI Code Exams
- Decommissioning

KEY IMPROVEMENTS

- More robust design
- Reduced weight & size
- Higher resolution
- Improved recall position accuracy
- Increased pan/tilt precision
- Ergonomical design for easy handling
- Optional shock absorption pads

BENEFITS

- Auto-focus and auto-iris
- Superior color rendition and high definition image
- Lens converters are available to further improve its close-range focusing excellence
- Powerful LED lighting

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Width	148 mm
Length	376 mm
Weight	13 kg
Housing material	Stainless steel EN 1.4301/EN 1.4436, AISI 304/AISI 316, Anodized Aluminum
Front glass material	Polycarbonate

OPTICAL FEATURES

Resolution	1080p
Frames Per Second	25 or 30
Zoom	x100 (x10 optical, x10 digital)
Horizontal Angle View	~5°-51°
Minimum Distance To Object	45 mm

MECHANICAL FEATURES

Pan Angle	360° (endless rotation)
Pan Speed (max)	45°/sec (360° = 8 sec)
Pan Speed (min)	1.75°/sec
Tilt Angle	±135° (from the vertical plane)
Tilt Speed (max)	12.8°/sec
Tilt Speed (min)	2.5°/sec

We reserve the right to alter specifications without prior notice

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US office | Phone: +1 910-399-4240
Email: us@ahlbergcameras.com

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ENVIRONMENTAL TOLERANCES

Radiation Tolerance (dose rate)	500 Gy/h (50 000 rad/h)
Radiation Tolerance (total dose)	4 300 Gy (430 000 rad)
Maximum Operating Temperature	50°C
Water Tightness	min 3.5 bar

INTEGRATED LIGHTNING

Type	10 LED-lights
Output	2300 lumen

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HI-RAD L FHD IMAGES











DOWNLOADS

Dimension drawing
ahlbergcameras.com/app/uploads/2026/02/701427-CD_B.pdf

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