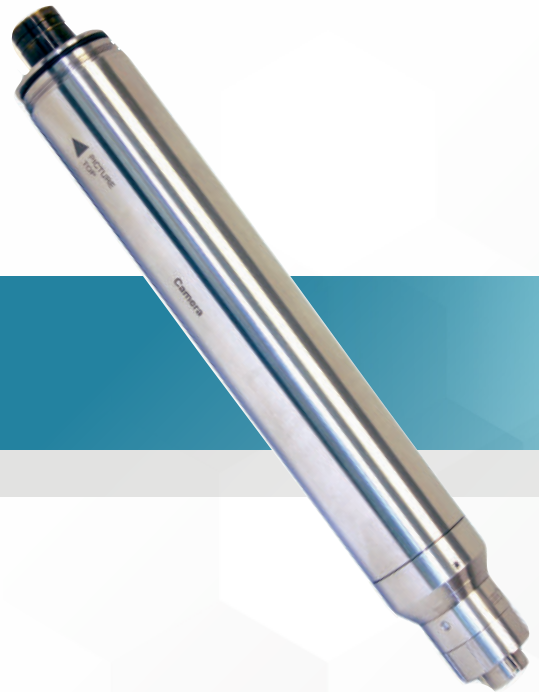


R93 Mk3

General Purpose Nuclear Camera



Nuclear
Power



Homeland
Security
& Defense



Industrial and
Manufacturing



Healthcare



Labs and
Education

OVERVIEW

Combining versatility, high radiation tolerance and wide-range viewing capabilities, the R93 Camera from Mirion is designed to meet your inspection needs.

KEY FEATURES

- Very high radiation tolerance (exceeding 2 MGy)
- Easy decontamination
- Wide range of non-browning lens
- High resolution pictures for inspections
- Remote control of functions
- Wide range of attachments, lens bodies and viewing heads

KEY APPLICATIONS

- Underwater surveillance
- Fuel monitoring
- Reactor inspection
- Tube inspection
- Robotics and manipulator surveillance
- Serial number verification

SPECIFICATIONS AND PERFORMANCE

Maximum application flexibility is achieved using interchangeable Viewing Heads or Lens Bodies enabling the R93 to provide:

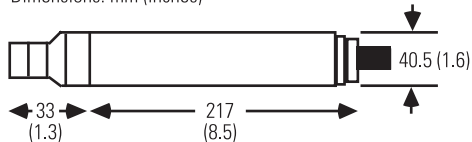
- Underwater applications to a depth of 200 m (656')
- Lighting power from 0.7 W to 100 W
- Non-browning 12-72 mm f/1.8 zoom capability
- Radial viewing with full 360° scan facility
- Complete hemispherical viewing ability
- Wide angle viewing

All the interchangeable Viewing Heads and Lens Bodies can be matched to the radiation tolerance of the R93 and are very easily fitted to the camera. For additional specifications refer to the following data sheets:

- R93 Interchangeable Viewing Heads
- R93 Interchangeable Lens Bodies
- R90 Mk 3 Camera Control Units
- R90 Series Cables and Connectors

Camera	
	40.5 mm (1.6")
	217 mm (8.5")
	250 mm (9.8")
	1.25 kg (2.8 pounds) without head or lens body

Dimensions: mm (inches)



Electrical (excluding viewing heads or lens bodies)	
	3 watts
	Stainless Steel, non-browning optics
	200 m max (656 feet)

Environmental	
	0 to 55 °C (32 to 130 °F)
	0 to 60 °C (32 to 140 °F)
	2 MGy (H ₂ O)[⁶⁰ Co] (2 x 10 ⁸ rads) total dose >30k Gy/hour (>3 x 10 ⁶ rads per hour) Vidicon 1k Gy/hour (1x10 ⁵ rads per hour)Newicon/Chalicon

SPECIFICATIONS AND PERFORMANCE OPTICS

Non-browning 9mm D mount auto iris lens fitted as standard. Optional non-browning 6mm and 25mm D mount lenses and C mount lenses available.

Standard 9mm lens	50°	39°	61°	30 mm to infinity
Optional 6mm lens	73°	58°	85°	5 mm to infinity
Optional 25mm lens	20°	15°	25°	170 mm to infinity

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Please contact your Mirion Technologies representative to advise any specific vibration or seismic qualification.

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Specifications may vary according to system configuration. We reserve the right to modify or amend the information herein without prior warning. Please contact your Mirion representative for further information.

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