

Star System

Solid State Rad-Hardened CCTV



**24/7 monitoring within
containment for an entire fuel cycle**

Withstand dose rates up to 10^5 R/hr

No tube maintenance required

**Can be configured as a stand-alone unit or
networked into a full ROS containment CCTV System**



The development of the Star System, using aerospace technology, finally allows for 24/7 monitoring within containment for an entire fuel cycle

The video feed of a coolant pump or valve will give you the peace of mind that no gauge ever could. The robust, stainless-housed Star Camera can withstand dose rates up to 10^5 R/hr, but since it uses a solid state sensor, no tube maintenance is required. The addition of the optional thermal housing allows for extended use in air temperatures up to 167° F (75° C).

The Star Camera can be configured as a stand-alone unit, or can be networked into a full CCTV System, controllable from any PC connected to the LAN.

Contact your ROS representative today, so that you can finally see what you've been missing.

ROS has been manufacturing an array of harsh environment cameras, lights, positioners, and specialized systems designed for oceanographic, nuclear, industrial, and military applications for over 34 years.

Star System

Sensor:	Active Pixel Sensor (APS), 1 Megapixel
Resolution:	500 TV lines
Signal/Noise Ratio:	≥ 47 dB
Sensitivity (minimum scene illumination):	24 lux
Remote Control:	Focus, Iris, Zoom
Zoom Ratio:	6x
Focal length:	17-102 mm
Angle of View (by diagonal):	8° - 52° in air
Operation Distance:	900 mm - ∞
Dose Rate:	10 ⁵ rad/h
Integral Dose:	10 ⁷ rad
Temperature:	50°C (option 75°C)
Overall Dimensions:	Ø100 x 380 mm (with zoom lens)
Housing:	Stainless steel



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