

- Analog Rad Tolerant camera
- 40x Optical Zoom
- Fixed, small and lightweight
- Gamma radiation tolerant
- CMOS color sensor (equivalent to 934x582 pixel)
- Auto Focus
- Auto/Manual Iris
- RS-485 / Pelco D protocol
- Coax and 2-wire video output
- IP 65 rating
- Max temperature range 60°C / 140°F
- Trouble-free installation and service
- Option: Laser pointer
- Option: Base mounting

RADCAM **Æsir**[®]

ISEC'S NEWLY DEVELOPED ANALOG CAMERA FOR RADIOACTIVE AREAS WITH 40x OPTICAL ZOOM MADE FOR ANALOG INFRASTRUCTURE



**“Fixed,
small and
lightweight
with 40x
zoom”**

BRINGING ANALOG SYSTEMS TO THE NEXT LEVEL

The RADCAM Aesir is ISEC's newest addition to the RADCAM family of cameras based on market request. This unique analog radiation hardened camera is specially designed for existing nuclear analog systems and with 40x optical zoom capabilities.

Its development is a direct response to the ever increasing customer demand for high-quality, radiation tolerant cameras that can be deployed quickly and hasslefree in existing infrastructures.

Thanks to its special design and versatile connectivity, RADCAM Aesir will integrate flawlessly in any existing analog infrastructure providing operators a stress free upgrade of existing video monitoring system.

The RADCAM Aesir is the first of a new generation of radiation tolerant cameras which sets a new standard in easy deployment, radiation shielding and image quality.



Camera

Sensor size	934x582 pixel
Image sensor size	¼-type Super HAD CCD II
Image sensor	CMOS
Min illumination/ light sensitivity	0.6 lux at F1.6, 1/50s and 50 IRE

Video

Max video resolution	PAL
Max frames per second	50

Zoom lens

Focal length	3 - 122 mm
Angle of view	Wide: 60° Tele: 1.6°
Aperture (F)	1.6-4.6
Iris Auto/manual	
Focus	Auto
Optical zoom	40 x

Radiation

Gamma Radiation Tolerance (min)	1000 Gray
Gamma Radiation Dose Rate (min)	100 Gray/h

Communication interface

Data communication protocol	RS-485 / Pelco D protocol
Video communication	Balanced video (2-wire)
Connector (x1)	6-pin connector (IP65)

Video

Video communication	Video coax
Connector (x1)	BNC

Mains connector

Voltage	24V DC
Power	24W (max)
Connector (x1)	4-pin connector (IP65)

General

Size (mm)	H: 174 mm L: 169 mm W: 106 mm
Weight	2.4 kg
Operational temperature °C	-25 to 60°C
Humidity	1 - 100%, non condensing
Vibration	2 - 9 Hz 1.5mm, 9 - 200 Hz acc. 5m/s ²
Pressure	5 Bar (75 psi) above normal atm. pressure
IP rating	IP65



ISEC
MONITORING SYSTEMS

