



RADCAM Delta[®]

ISEC'S NEWLY DEVELOPED ANALOG
CAMERA FOR RADIOACTIVE AREAS WITH
EXISTING ANALOG INFRASTRUCTURE

- Analog Rad Tolerant camera
- Fixed, small and lightweight
- Gamma radiation protection
- CMOS color sensor (equivalent to 768x576 pixel)
- 3x optical zoom
- Manual 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

**“Fixed,
small and
lightweight”**



BRINGING ANALOG SYSTEMS TO THE NEXT LEVEL

The RADCAM Delta is ISEC's newest addition to the RADCAM family of cameras. This unique analog radiation hardened camera is specially designed for existing nuclear analog systems.

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

Thanks to its special design and versatile connectivity, RADCAM Delta

will integrate flawlessly in any existing analog infrastructure providing operators a stress free upgrade of existing video monitoring system.

The RADCAM Delta is the first of a new generation of radiation tolerant cameras which sets a new standard in easy deployment, radiation shielding and image quality – all at a very competitive price level.



Camera

Sensor size	768x576 pixel
Image sensor size	1/3"
Image sensor	CMOS
Min illumination/ light sensitivity	0.7 lux at F1.6, 1/50s and 50 IRE

Video

Max video resolution	PAL or NTSC
Max frames per second	50

Zoom lens

Focal length	3 - 9 mm
Angle of view	Wide: 113,7°x61,1° Tele: 38,0°x21,4°
Aperture (F)	1,3
Iris	Auto/manual
Focus	Manual
Optical zoom	3 x

Radiation

Gamma Radiation Tolerance (min)	2000 Gray
Gamma Radiation Dose Rate (min)	200 Gray/h
Internal radiation damage sensors	Yes

Communication interface

Data communication protocol	RS-485 / Pelco D protocol
Video communication	Balanced video (2-wire)
Connector (x1)	3-pin connector (IP66)

Video

Video communication	Video coax
Connector (x1)	BNC

AUX control

Output relay (NO and NC)	Max 230VAC/1A
Connector (x1)	3-pin connector (IP65)

Mains connector

Voltage	230V AC
Power	6VA
Connector (x1)	3-pin connector (IP65)

General

Size (mm)	H: 222 mm L: 177 mm W: 106 mm
Weight	6 kg
Operational temperature °C	5 - 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



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ISEC
MONITORING SYSTEMS

BHI Energy
640 Douglas Ave. Suite 1504
Altamonte Springs, FL 32714
T: 407-339-6113
Email: ams@BHIEnergy.com