



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.



Contact information:

E-mail: info@isec.se
Phone: +46 42 334 800
www.isec.se

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 |



ISEC
MONITORING SYSTEMS

ISEC Monitoring Systems AB
Diabasgatan 12
SE-254 68 Helsingborg
SWEDEN
SB: +46 42 334 800
www.isec.se