

# RadCam Sigyn

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- PTZ RADIATION TOLERANT HD CAMERA (720P)
- LONG COMMUNICATION CABLE BETWEEN HEAD AND CONTROL UNIT (UP TO 8 M)
- POWER OVER ETHERNET CONNECTIVITY
- RADIATION TOLERANT IP65 CONTROL UNIT



**“Nothing  
Goes  
Undetected”**

## IP POE PTZ FAST DEPLOYMENT RAD TOLERANT CAMERA

The RadCam Sigyn is a color sensor digital IP PoE camera which is designed for fast deployment operations and also multipurpose usage within the reactor containment building and other radioactive areas. With a distributed design, it gives flexibility of positioning and installation. The RadCam Sigyn is the first of a new series and is based on ISEC's new IP RadHard camera platform.

## DESIGN WITH AND FOR NPPs OPERATIONS

- Agile and flexible design
- IP65, Compact and lightweight
- Pan, Tilt, with 18X optical zoom
- High focus on FME and usage of approved materials
- Pure Digital design and construction
- Made for radioactive environments:
  - Dose rate: 100 Gray/h
  - Integrated dose: min. 1000 Gray

## TECHNICAL SPECIFICATIONS

### Camera

Sensor	HD Resolution (1280*720P)
Minimum lighting	0.5 Lux @ F1.6 - 2.8
Optical zoom	18x with Varifocal zoom lens
Viewing horizontally	55.2°- 3.2° from wide to tele
Viewing vertically	42,1°- 2.4° from wide to tele
Focus / Iris	Yes, auto and manual

### Physical features

Pan / Tilt	Pan - 350° T - 180° Z - 18x
Lamps	4 LED Lights following the Pan/Tilt
Dimensions Head Unit	H: 237 mm (9.3") L: 158 mm (6.2") W: 76 mm (3")
Dimensions Main Unit	H: 225 mm (8.9") L: 225 mm (8.9") W: 85 mm (3.3")
Weight	Head 3.4 kg (8 Lb.) / Main 20 kg (44 Lb.)
Power Supply	PoE Type 3, Class 6 (60W)

### Communication

Video Output	H264, MJPEG
Framerate	Max 25/30 fps
Control Output	ONVIF

### Environment

IP class	IP 65
Operating Temp.	5-60°C (40-140°F)
Humidity	0 - 100% RH, non-condensing

### Radiation

Type of Protection	Gamma Protection (Co60)
Dose   Dose Rate	> 1000 Gray   > 100 Gray/h
Internal sensor	Internal radiation resistance sensor

### Others

Vibration	2 - 9 Hz 1.5mm, 9 - 200 Hz acc. 5m/s <sup>2</sup>
Pressure	5 Bar (75 psi) above normal atm. pressure
Cable	Fullfill fire standard IEEE.383 requirements
VMS	Compatible with Milestone and Genetec



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