

# SIM-01

## Quad Element PIR Pet Immunity Motion Detector with Camera Option

The SIM-01 detector uses a special designed optical Lens with unique Quad (Four element) PIR Sensor and ASIC based electronics optimized to eliminate false alarms, caused by small animals and Pets.

The SIM-01 is optional equipped with the latest and advanced video module SONY CMOS 2.3 Mega Pixel with Full HD video transmission up to 500M over Coaxial cable

## PRODUCT FEATURES

### Motion Detection:

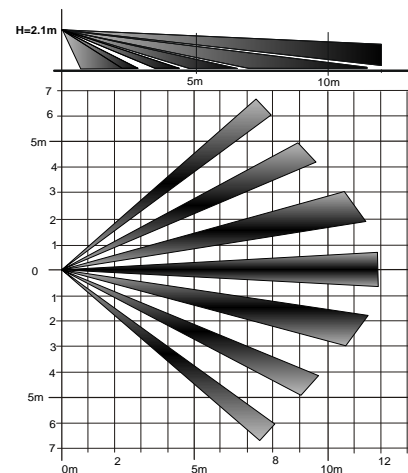
- Quad (four element) PYRO sensor
- ASIC based electronics with movement speed spectrum analysis.
- User-friendly installation with swivel bracket.
- Bi-directional temperature compensation.
- Environmental immunity.
- Pet immunity up to 25Kg. Pet active bellow 1m.
- Height installation free from 1.8m to 2.4m.
- Wide range operating voltage.

### Video Module:

- 1/2.9" 2.3 Mega Pixel SONY CMOS
- Lens 4.3mm Pinhole
- Full HD video transmission up to 500m (Coaxial cable)
- 1920x1080 25p/30p, 1280x720 50p/60p
- DNR (Digital Noise Reduction: 3D + 2D)
- WDR (Wide Dynamic Range)
- Defogging video image capacity
- Day & Night AUTO / COLOR / B&W / EXT
- Smart IR ON / OFF
- Complete on-screen configuration in 16 languages



## DETECTION PATTERN



## SPECIFICATION

Detection Method	Quad Element PIR Sensor
Power Input	9 to 16 Vdc
Current Draw	Standby: 8mA (± 5%) Active: 10mA (± 5%)
Temperature Compensation	Yes
Pulse Width	Adjustable
Alarm Period	2 sec (± 0.5sec)
Alarm Output	N.C 28VDC 0.1 A with 10Ohm series protection Resistors
Tamper Switch	N.C 28Vdc 0.1A with 10 Ohm series protection
Warm Up Period	1 min
LED Indicator	Red LED is ON during Alarm
Image Devices	1/2.9" 2.3 Mega Pixel SONY CMOS
Resolution	AHD: 1080P 25/30FPS, 720P 50/60FPS TVI: 1080P 25/30FPS, 720P 50/60FPS CVBS: 1280H
Min. Illumination	Color DSS: 0.002 Lux B&W DSS: 0.001 Lux
S/N Ratio	≥80dB
Day & Night	Auto / Color / B&W / EXT
D-Zoom	x1 ~ x8
Privacy	ON / OFF (16 points)
Video Output	AHD / TVI / CVBS
Lens	4.3mm Pinhole Lens
Power	DC 7V-25V
Dimensions	123mm x 61mm x 38mm
Weight	135g

## STANDARDS COMPLIANCE

Security Grade 2, Environmental Class II