



Perimeter Detection Systems

# PIRAMID CONNECT

Dual Technology Detector



Maxibus  
Network



Connect



Dual  
Technology



PIRAMID CONNECT is a Dual Technology volume movement detector for outdoor applications. It combines a hyper-frequency Doppler with built-in radar function and a passive infrared sensor.

## UNIQUE TECHNOLOGY

- Radar function for precise detection zone length setting
- CONNECT alarm centralisation technology with the MAXIBUS CONNECT
- Bluetooth configuration on Smartphone
- Secure dynamic radio network: no loss of alarm information

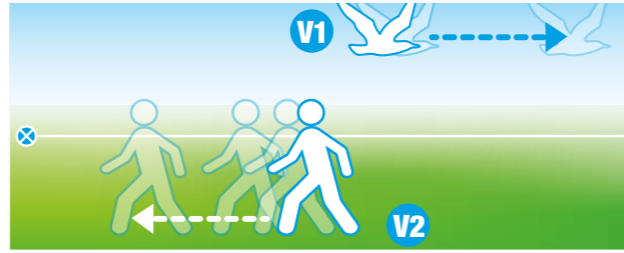


## RELIABLE DETECTION

- **Stationary movement analysis:** no vegetation picked up

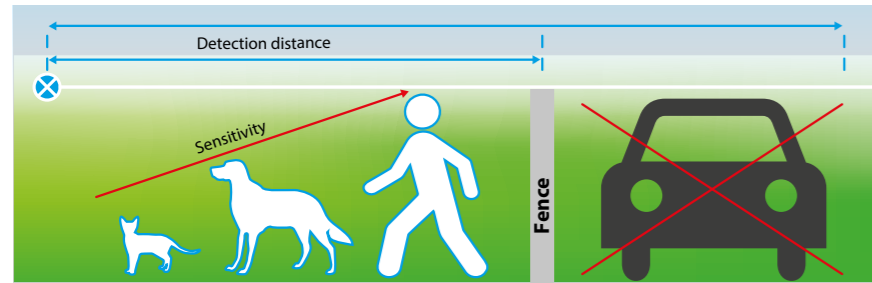


- **Target movement speed analysis:** no flying birds picked up



- **Range control independently of sensitivity:**

background removal and full sensitivity range within the detection zone



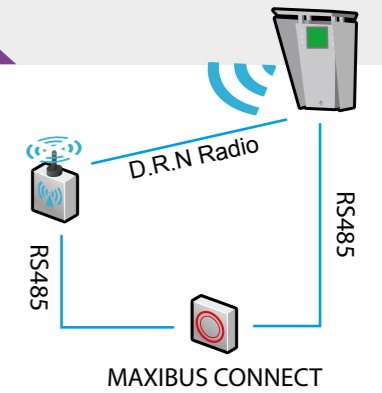
## OPTIMUM SECURITY

- **Target size adjustment:** distinction for animals
- **Target direction adjustment:** detection on approach or moving away



## MULTIPLE CONNECTIVITIES

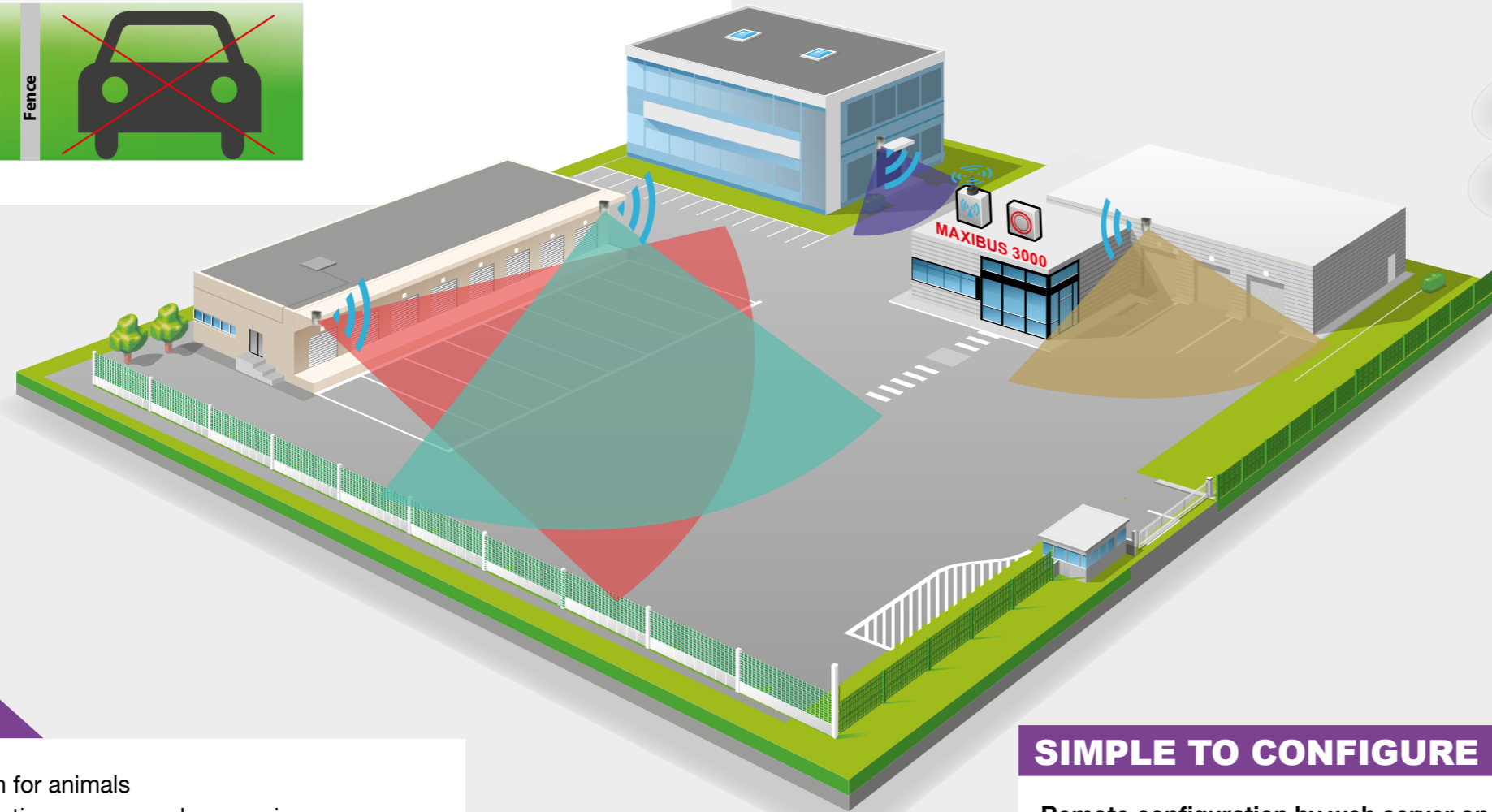
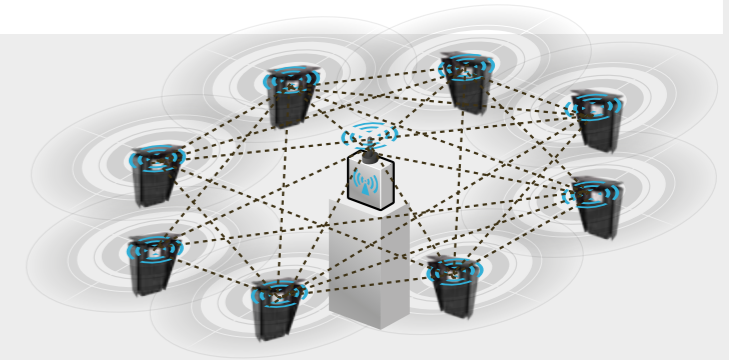
- Dry contact output
- MAXIBUS CONNECT output
- RS485 line connected network
- D.R.N network



### D.R.N RADIO NETWORK (DYNAMIC RADIO NETWORK)

The Pyramid Connect system forms a secure meshed radio network which uses D.R.N. technology

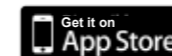
- **Security:** SORHEA encrypted proprietary radio protocol: AES-encoded T.D.M.A
- **Watch-dog:** permanent inspection of the PIRAMID CONNECT presence on the radio network
- **Unique alarm message identification:** PIRAMID simulation impossible
- **Dynamic radio network:** no loss of alarm information



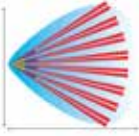
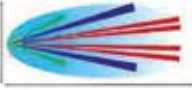




## SIMPLE TO CONFIGURE

Remote configuration by web server on MAXIBUS CONNECT

Local configuration by Smartphone in secure mode



## PROTECTION SCHEME – HYPER-FREQUENCY & PASSIVE INFRARED COVERAGE

	SDI-78XL2-A	SDI-78XL2-B	SDI-78XL2-C
<b>Lens angle</b>	Wide angle	Medium angle	Curtain
<b>Standard lens name</b>	A	B	C
	30mx30m	30mx10m	40mx3m
<b>Lens angle</b>			
<b>Standard side view</b>			



IR scheme

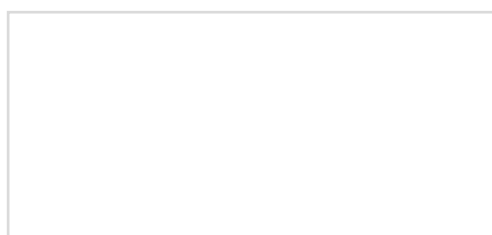


Hyper-frequency coverage

## PIRAMID CONNECT DETECTOR

	SDI-78XL2-A	SDI-78XL2-B	SDI-78XL2-C
<b>Detection type</b>	PIR sensor and Hyper-frequency antenna		
<b>HF frequency</b>	10.510 GHz		
<b>Electronic supply</b>	10V at 20 VDC		
<b>Consumption</b>	80 mA		
<b>Typical intrusion alarm time</b>	5 seconds		
<b>Self-protection output by NO/NF inverter contact</b>	24 VDC - 1A		
<b>Self-protection output by NO/NF inverter contact</b>	24 VDC - 1A		
<b>Anti-masking output by NO/NF inverter contact</b>	24 VDC - 1A		
<b>Usage temperature</b>	-35°C / +70°C		
<b>Relative humidity</b>	95% mx without condensation		
<b>Protection index</b>	IP55		
<b>Weight</b>	0.9 Kg		
<b>Electromagnetic compatibility</b>	Complies with European standards (EC)		
<b>Detector orientation</b>	Horizontal: +/- 90° in steps of 10° - Vertical: from 0° to -10°		

### Reseller's stamp



SORHEA provides its customers with detailed sheets for its products.

SORHEA is constantly seeking to improve the performances and quality of its products and so reserves the right to modify the stated characteristics without notice.



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