



Perimeter Detection Systems

SOLARIS

Long Range Wireless Active Infrared Barrier



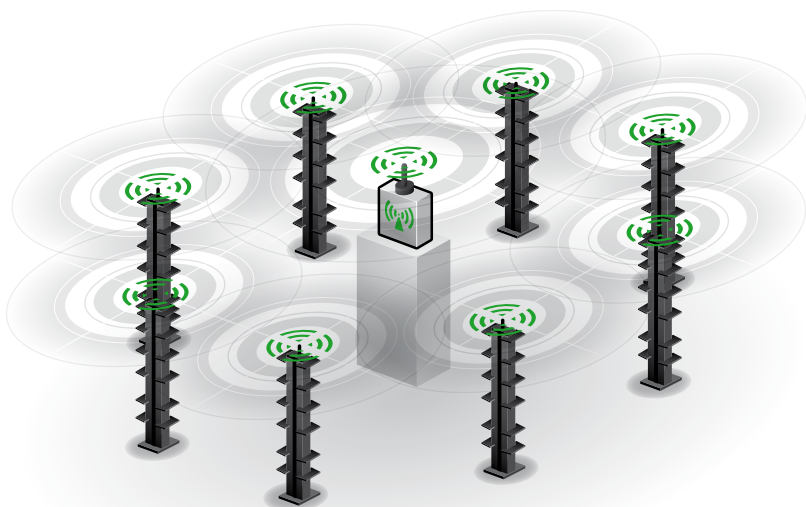
Infrared products



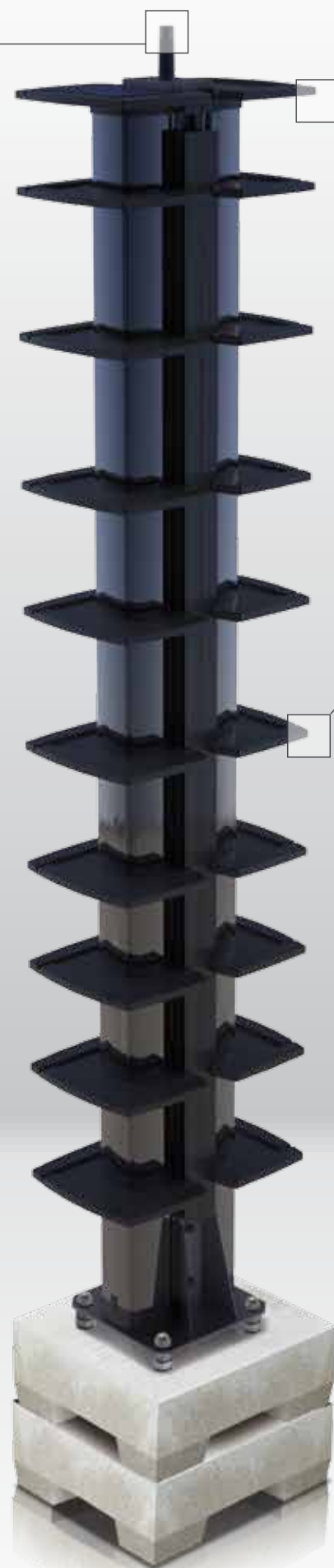
DRN (DynamicRadioNetwork)

A dynamic network

Thanks to a proprietary communication protocol, all infrared columns form a secure mesh network.



- **Redundancy of information** : no loss of alarm information
- **Integrity and security of the site** : permanent control of the presence of each column
- **Coded radio protocol** : immunity to interference
- **Unique alarm messages** : impossible to simulate a column



SolarEnergy



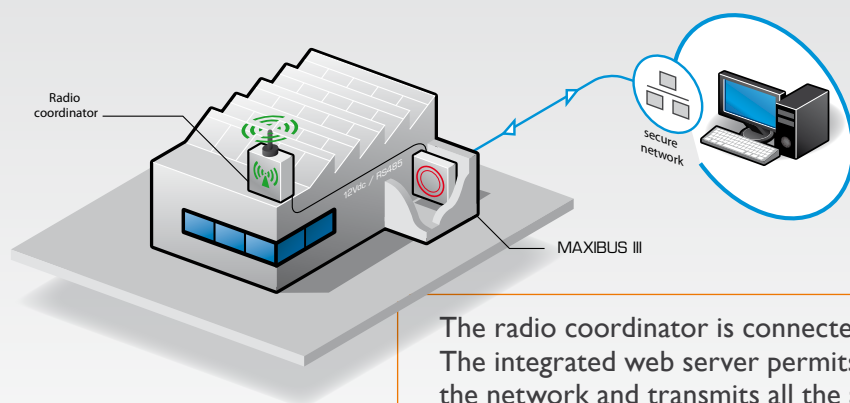
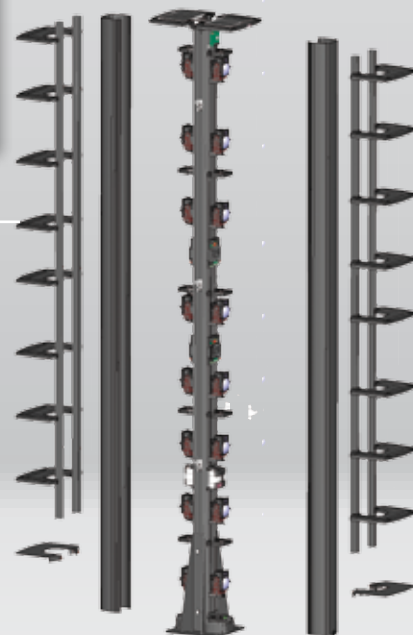
- **Auto-protected solar panel**
- **Integrated anti-climbing cap**
- **Mounting of solar panels with no specific positioning required**
- **Transportable solar panel for columns shielded from the sun**

PatentedDesign

Anti-condensation and anti-ice caps



The caps prevent the formation of condensation and ice on the infrared cover allowing for correct functioning in all weathers.

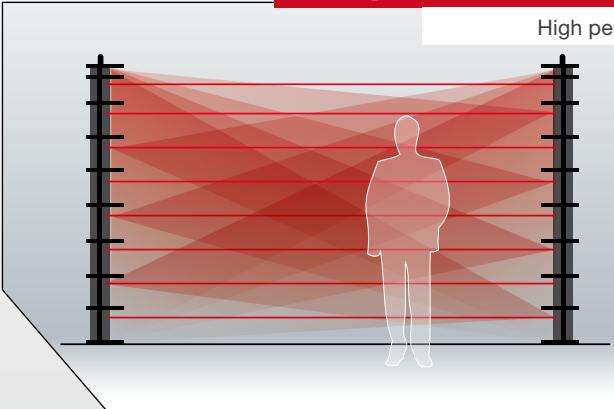


The radio coordinator is connected to MAXIBUS III. The integrated web server permits the configuration of the network and transmits all the alarm information.



HighPerformanceDetection

High performance detection of SOLARIS columns



The detection performance of the SOLARIS columns are identical to SORHEA's top of the range columns. Their features allow for the creation of a virtual detection wall that is invisible and impenetrable.

- **Response time of intrusion alarm : 40 ms**
- **20 beams for 3 meters high : beams are multiplexed and optically synchronized beams**
- **Triggering modes : parallel beam detection, independent mono beam detection of the bottom beam**

SOLARIS COLUMNS

Maximum outdoor range	75 m			
Columns heights and types	1,5 m	2 m	2,5 m	3 m
	Simple and double face			
Beams	6 to 20			
Selectable channels	4			
Alarm information	Intrusion / disqualification / Tamper / anti-climbing cap / low battery / radio loss			
Alarm transmission	Mesh dynamic radio network to radio coordinator			
Radio frequency	869.725MHz – 869.975MHz (5 channels with 50kHz width)			
Data encryption	AES 256 bits			
Alimentation	Solar panel and battery in each column			
Alignment tools	Visual and audio signals in all the columns			
Operating temperature	-35°C to +55°C			
Electromagnetic compatibility	Compliance with European standards (label CE)			

RADIO COORDINATOR

Alarm transmission	RS485 compatible with MAXIBUS III
Configuration tools	Integrated HTML server in MAXIBUS III hub
Power supply	12VDC (40mA)
Operating temperature	-35°C to +55°C

Columns 3m • 2,5m

Columns 2m • 1,5m

Seal of the retailer

In order to continuously ensure the high standard of quality and performance of our products, we reserve the right to modify the present technical data without notification.



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