



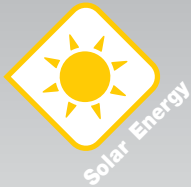
100m  
outdoor  
range



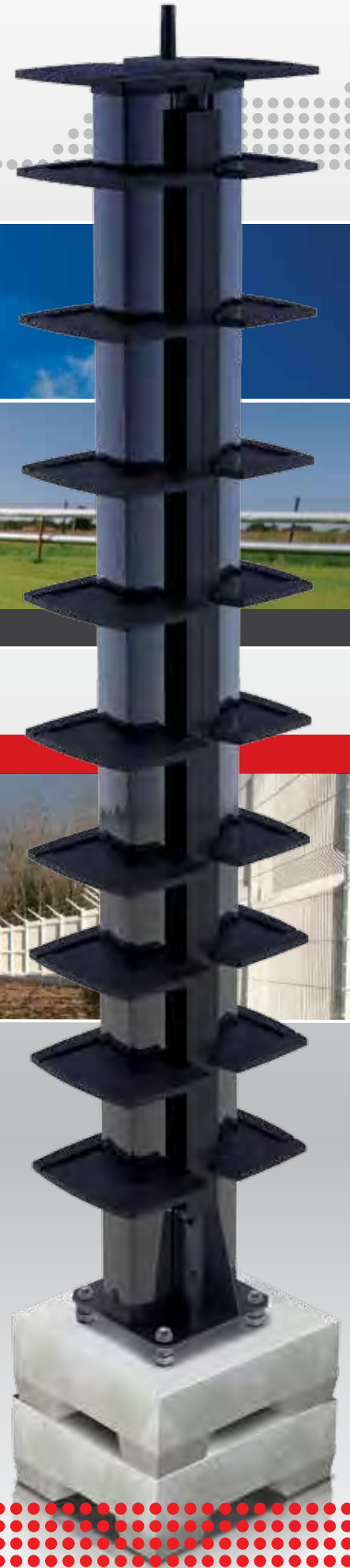
Perimeter Detection Systems

# SOLARIS

Long Range Wireless Active Infrared Barrier



infrared  
technology

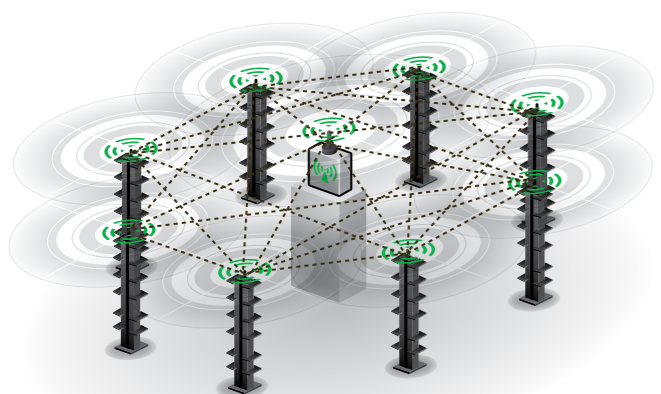


## DRN (Dynamic Radio Network)

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



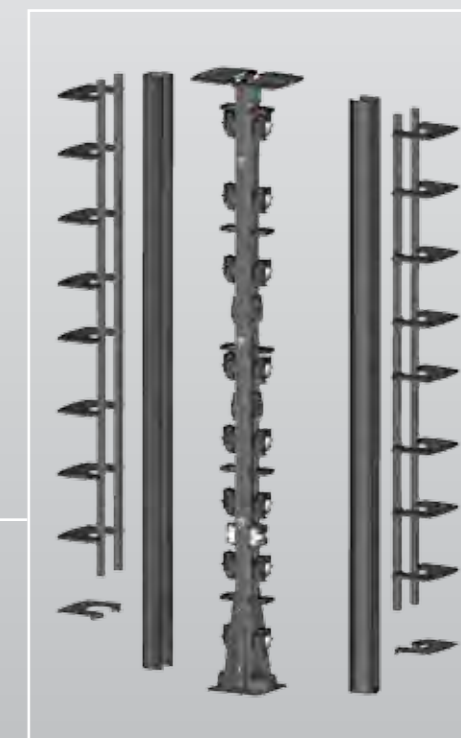
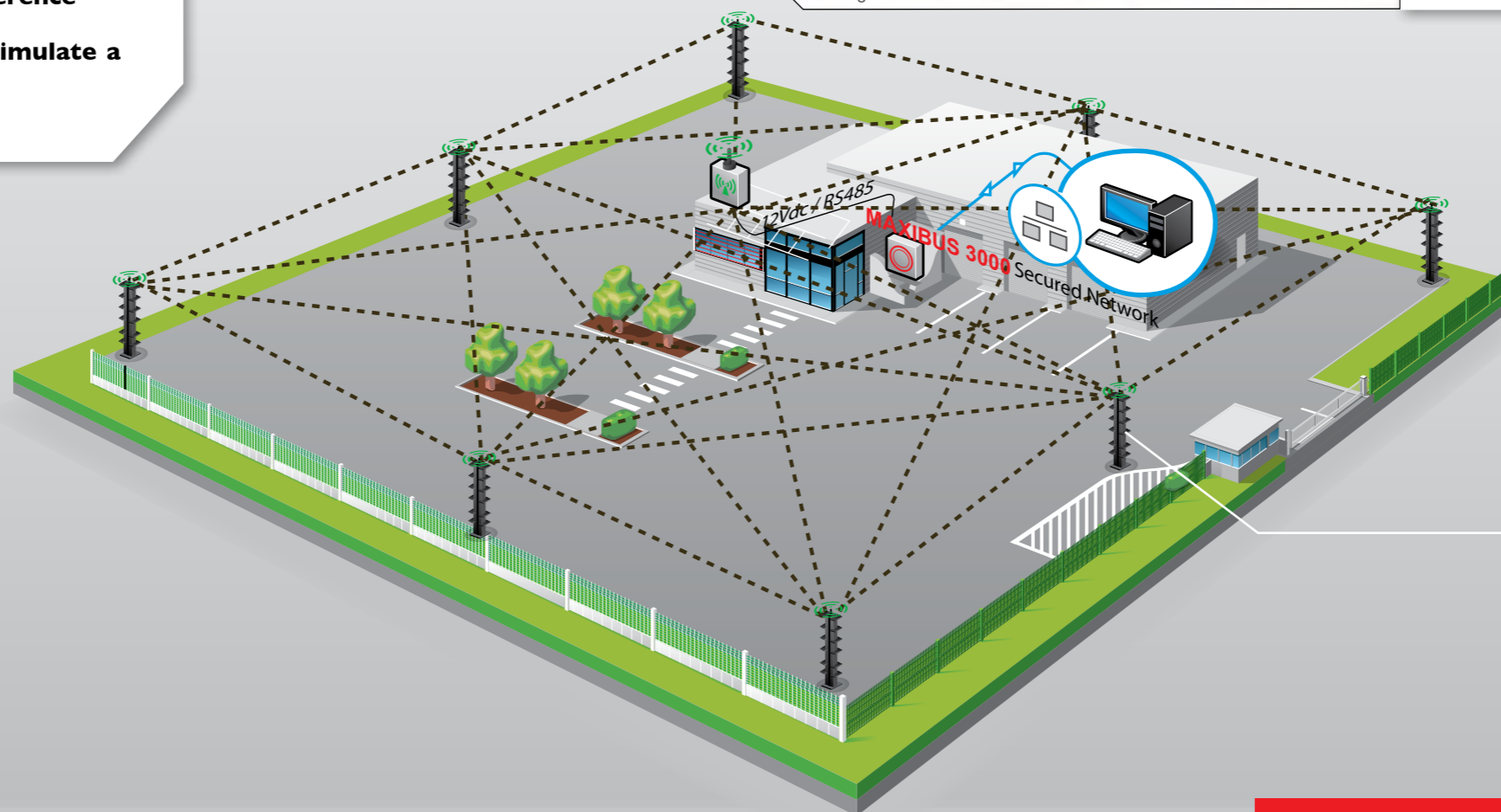
## Solar Energy



Single face column

Double face column

- **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**
- **2 months autonomous without sun**



## Special Design

### Anti-condensation and anti-ice caps:

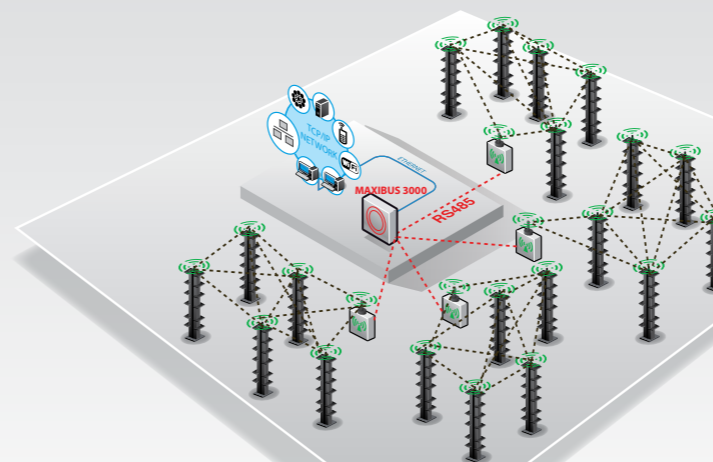
These caps prevent the presence of condensation and ice on the infrared cover allowing for correct functioning in all weathers up to 100m range.



## Maxibus 3000: IP Technology

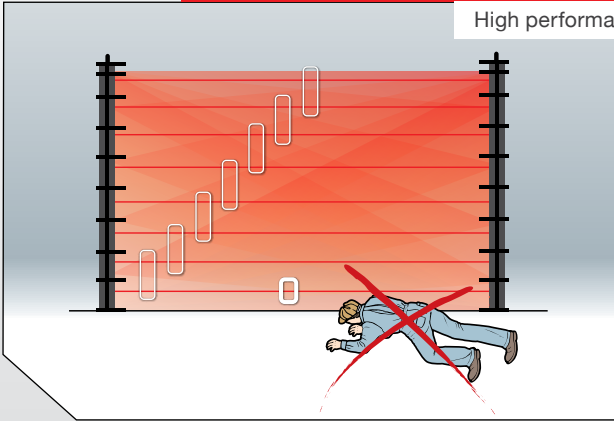
The MAXIBUS 3000 is equipped with an **Ethernet connection**. A secure Linux operating system makes the interface faster and more user-friendly. Each system can be configured locally or remotely thanks to its web server.

- **4 communication ports** : can handle 4 radio networks at the same time, or up to **96 SOLARIS columns** (4 x 24 columns)
- **Compatible with Milestone & Genetec VMS**



# High Performance Detection

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**
- **Adjacent Dual Detection**
- **Triggering modes: parallel beam detection, independent mono beam detection of the bottom beam**



Columns 3m  
Columns 2,5m

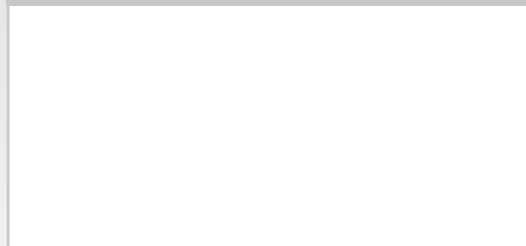
SOLARIS COLUMNS				
Maximum outdoor range	100 m			
Columns heights and types	1 m	2 m	2,5 m	3 m
	Simple and double face			
Cells	3 to 10 (6 to 20 beams)			
Selectable channels	4			
Alarm information	Intrusion / disqualification / Tamper / anti-climbing cap / low battery / radio loss			
Alarm transmission	Mesh dynamic radio network to radio coordinator			
Radio frequency	869.725MHz – 869.975MHz (5 channels with 50KHz width) US version : 915.000MHz - 915.250MHz (6 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	From -35°C to +70°C			
Electromagnetic compatibility	Compliance with European standards (label CE)			
Certification	FCC Approval			



Columns 2m  
Columns 1m

RADIO COORDINATOR	
Alarm transmission	RS485 compatible with MAXIBUS 3000
Configuration tools	Integrated HTML server in MAXIBUS 3000 hub
Power supply	12VDC (40mA)
Operating temperature	From -35°C to +70°C

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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