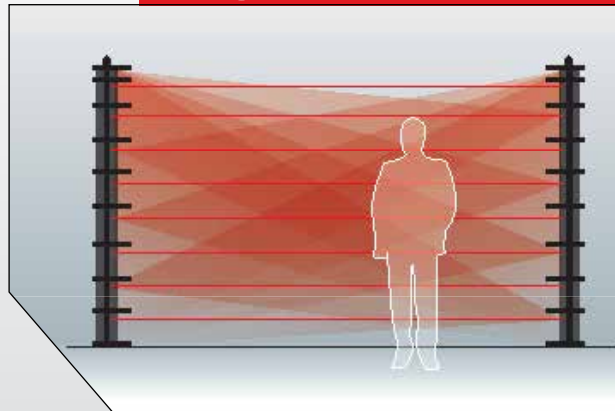


High Performance Detection



SOLARIS Active IR cells create a virtual detection wall that is invisible and impenetrable with exceptional detection performance and false alarm rejection.

- **Response time of intrusion alarm : 40 ms**
- **10 active IR cells 10 ft (3m) high: cells are multiplexed and optically synchronized**
- **Dual Adjacent Beam Detection**
- **Triggering modes: dual adjacent beam detection, independent mono beam detection of the bottom beam**

TECHNICAL SPECIFICATIONS

Maximum outdoor range	328 Ft. (100m)				
Columns heights and types	3.28 ft. (1m)	4.92 ft. (1.5m)	6.56 ft. (2m)	8.2 ft. (2.5m)	10 ft. (3m)
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	Dynamic mesh radio network to radio coordinator				
Radio frequency	US version: 915.000MHz - 915.250 MHz (6 channels with 50KHz width) Euro version: 869.725 MHz - 869.975 MHz (5 channels with 50KHz width)				
Data encryption	AES 256 bit				
Power	Solar panel and battery in each column				
Alignment tools	Visual and audio signals in all the columns				
Operating temperature	-40°F to +150°F (-40°C to +65°C)				
Electromagnetic compatibility	Compliant with European standards (label CE)				
Certification	FCC Certified				
Lens cover	Made from polymethyl methacrylate, highest resistance to UV; Minimum 8-10 year lifespan				

RADIO COORDINATOR

Alarm transmission	RS485 to MAXIBUS UNIVERSAL
Configuration tools	Integrated HTML server in MAXIBUS UNIVERSAL hub
Power supply	12Vdc (40mA)
Operating temperature	-40°F to +150°F (-40°C to +65°C)

Columns 10 ft. (3m)
Columns 8.2 ft. (2.5m)

Columns 6.56 ft. (2m)
Columns 4.92 ft. (1.5m)
Columns 3.28 ft. (1m)

For the purpose of continuously improving the quality and performance of its products, Protech reserves the right to change the above specifications without notice.



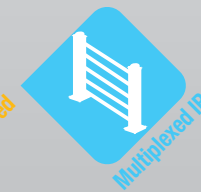
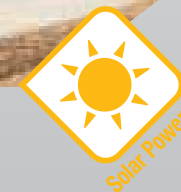
328 ft.
(100m)
outdoor
range



Perimeter Intrusion Detection Systems

SOLARIS

Long Range Solar-Powered and Wireless Active Infrared Barrier



infrared
technology



Protection Technologies, Inc.

529 Vista Boulevard, A-3 • Sparks, Nevada 89434
Telephone: (775) 856-7333 • Fax (775) 856-7658
800-428-9662 • info@protechusa.com

protechusa.com

DRN (Dynamic Radio Network)

Through a proprietary communication protocol, infrared columns form a **secure mesh network**.

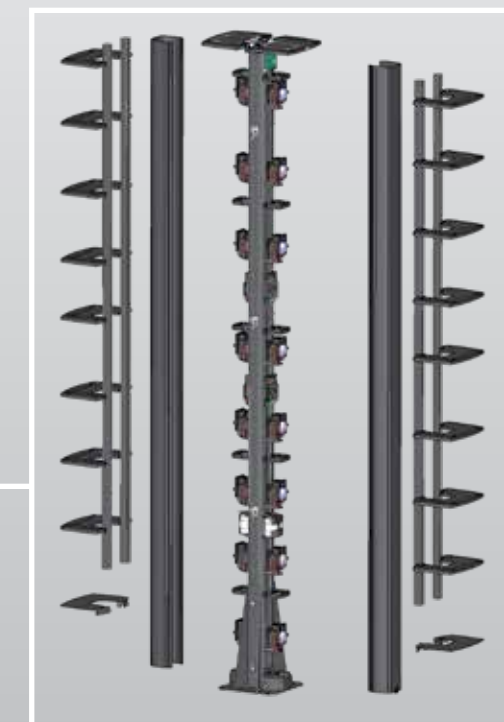
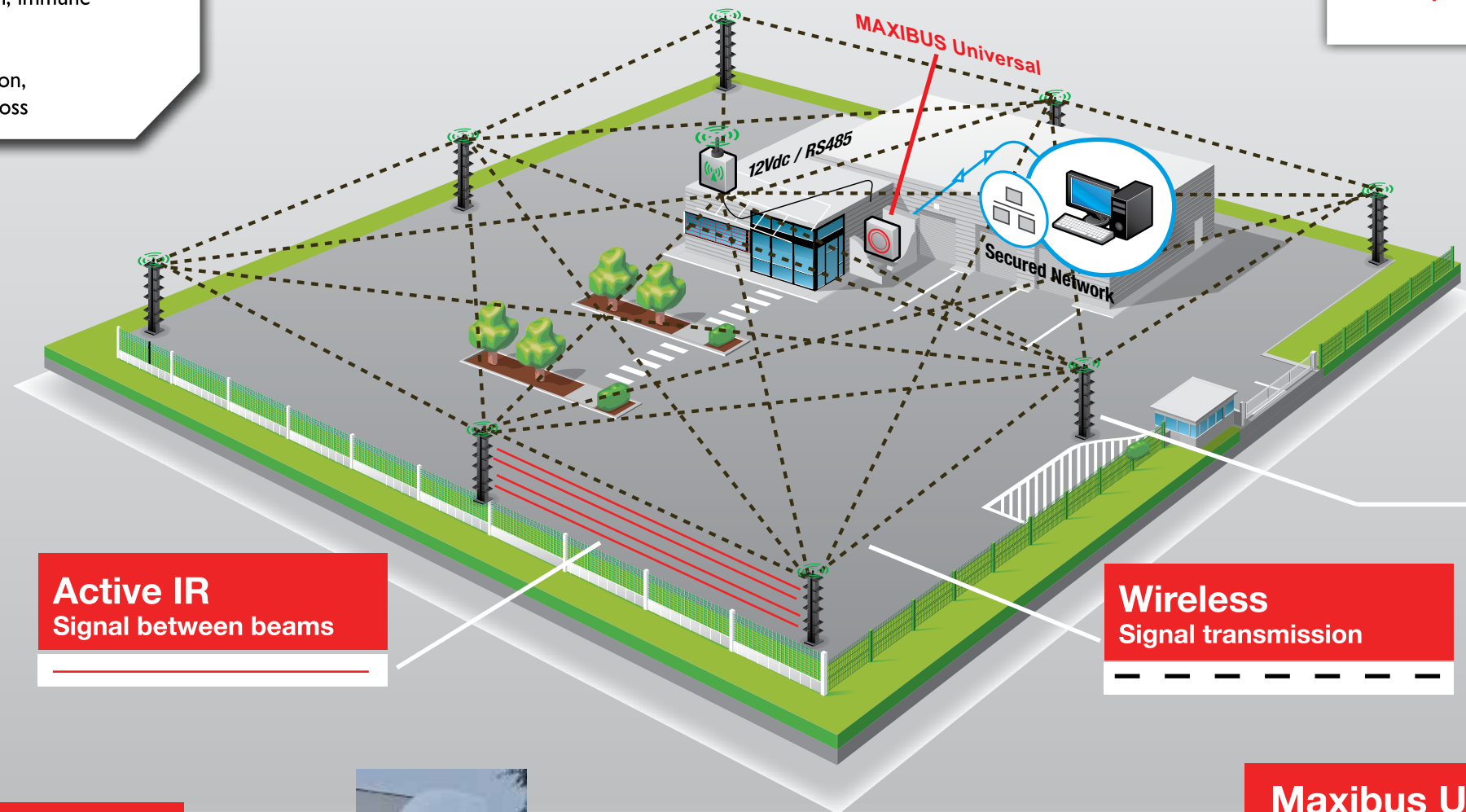
- **Redundancy:** no loss of alarm information
- **Alarm state:** All towers receive and transmit 360°, 1,000 ft. (300m) line of site
- **Coded radio protocol:** AES 256 Bit Encryption; immune to interference
- **Unique alarm messages per tower:** Intrusion, disqualification, tamper, climbing, low battery, radio loss



Solar Powered



- Integrated solar panels **with no specific positioning required**
- **2 months autonomous operation** without sunlight
- **One week advance notification** of low battery
- **Optional relocatable** mobile solar panel



Unique Design

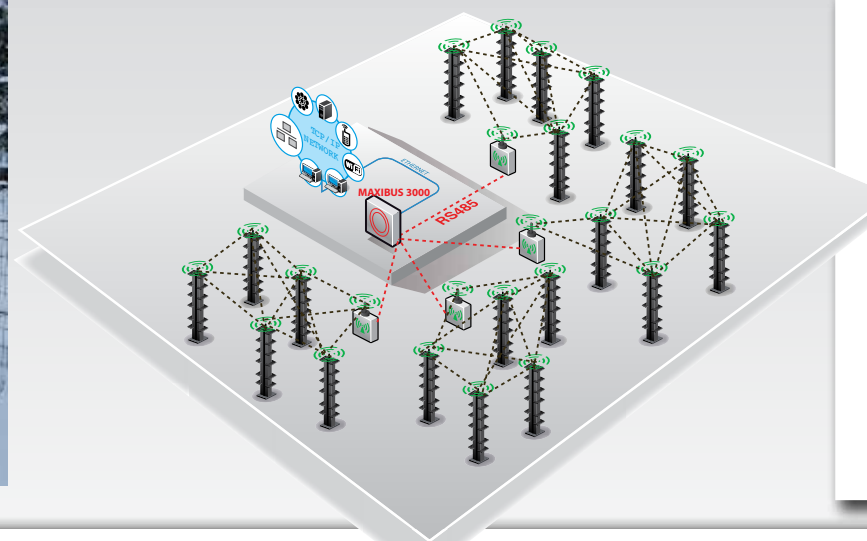


Anti-condensation caps:

These caps prevent the presence or build up of condensation and ice on the cover resulting in 100% performance in all weather conditions **up to 328 ft. (100m) range**.

Integrated anti-climbing caps:

Eliminates need for offset; reduces installation time and cost.



Maxibus Universal: IP Technology

The MAXIBUS Universal is equipped with an **Ethernet connection**. A secure Linux operating system provides a faster and more user-friendly interface. Each system can be configured locally or remotely through the 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, ONSSI** and other leading **Video Management Systems**.