

GPS

STANDARD

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PERIMETER



PERIMETER PROTECTION **RADAR BLADE**





RADAR BLADE

ELECTROMAGNETIC WAVES system

RADAR BLADE is a perimeter protection system realized with microwave volumetric sensors based on CHIRP RADAR effect with high performances. By using the electromagnetic waves provided along the protected perimeter it creates an invisible barrier. Respect to the standard intrusion detection system based on the Doppler effect, with the intrinsic limit to detect only the speed of the intruder, RADAR BLADE as its name, is a real radar able to

detect, with the Cross Technology, any kind of crossing of its sensitivity area and it can also indicate exactly the crossing point with 1 meter accuracy in any weather or light condition.

OPERATION

The RADAR BLADE electronics is realized with a DSP microprocessor, with exceptional processing power and signal analysis, thanks to these characteristics the capability of RADAR BLADE to distinguish a

real intrusion from the environmental noise become foolproof, offering an extraordinary detection capability, accompanied by an equally great capacity for rejection of false alarms.

The system can detect with a probability greater than 99% 40kg human intruders crossing the protected area with any kind of movement and with a speed between 0,02 and 18m/sec.

VERSIONS

There are two versions available, depending on the length of the barrier to be created: 80 and 120 meters.

Both versions are available in Stand-Alone and Multiplex configurations.

PLUS

-It offers a modern and elegant style and it is able to be perfectly integrate to the surrounding environment, as a light fixture
-The shape and dimensions of

the detection field make RADAR BLADE particularly suitable for protecting both areas completely free of obstacles and irregular shaped areas, even in the presence of fixed obstacles

-It is particularly suitable for public and private contexts need to preserve certain aesthetic but with a special need for physical barriers rather than invisible protection systems

-Ability to create a network of RADAR BLADE sensors to meet all installation requirements

-Detection of the crossing point (Cross Technology) with an accuracy of one meter.

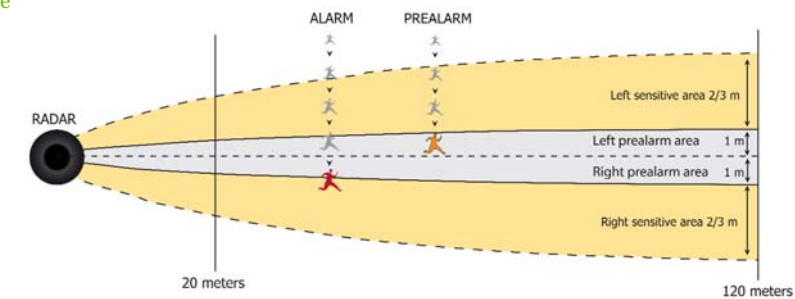
This feature allows other local devices such as, for example, speed dome cameras to capture the specific alarm image with extreme precision

-Integration with video surveillance system that can enable PTZ cameras to be moved directly to the intrusion

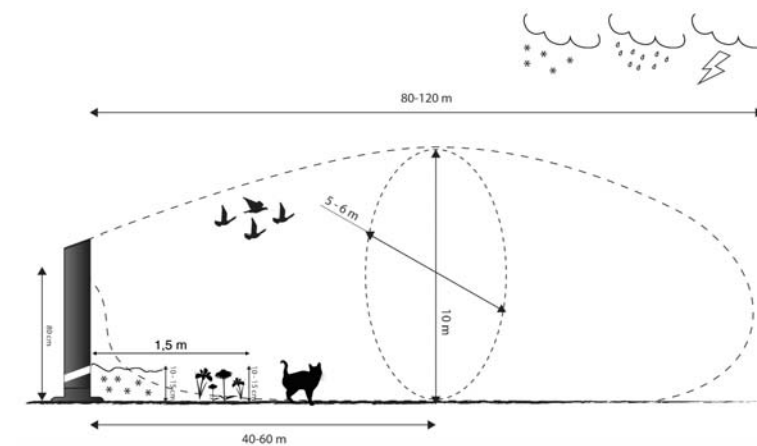


The barrier is really narrow with a width of the beam around 4 metres on the horizontal plane with a pre-alarm zone 1 meter on the right and 1 meter on the left of the centre line of the beam. Alarm signal is generated with the actual crossing of the centre line of the beam. On the vertical plane the beam reach around 10m of height.

Horizontal plane



Vertical plane



TECHNICAL SPECIFICATIONS

Performance	80/120 m
Working frequency	24,000÷24.250 GHz
Maximum power	20 dBmW EIRP
Modulation	CHIRP
Accuracy cross point	± 1 m
Virtual zones	10
Power supply	10.2V (min.) / 12V (nom.) / 13.8V (max)
Power consumption	175mA@48VDC +6mA for each alarmed relay (min.) 330mA@24VDC +11mA for each alarmed relay (nom.) 550mA@12VDC +20mA for each alarmed relay (max)
Operating temperature	-30°C ~ +55°C
IP	IP65
Dimensions - wall mount version	h 480 mm; diameter 140 mm
Dimensions - basement version	h 895 mm; base 295 mm; diameter 140 mm

Retailer of confidence



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GPS STANDARD SRL

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