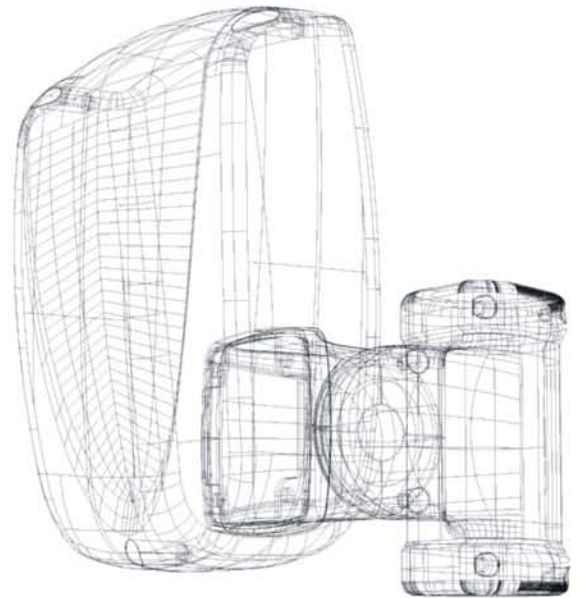


## The latest generation of digital microwave barrier 50-80m



**MANTA** is a digital microwave barrier for outdoor protection with range of 50 and 80 m and was designed in order to meet the following requirements:

**Security:** Manta gives the same very high detection performance to residential applications, that is normally guaranteed by those devices adopted to protect high risk sites.

**Reliability:** probability of false alarms is drastically reduced compared to the average thanks to the **DSP** (Digital Signal Processing) that functions by using special "**Fuzzy Logic Rules**" and keeps the probability of detection at maximum level.

**Adaptability:** Thanks to the complete redesigning of the microwave antennas, that are now able to generate a high and narrow beam, to the small dimensions of the device itself and to the functional and attractive design, Manta is the ideal product for the protection of those residential sites where space is often restricted and the aesthetic impact has significant importance. Furthermore, the adjustable bracket allows the wiring to be completely hidden, making all the installation procedures easy and fast as well.

**Sabotage resistance:** thanks to the 16 different modulation channels, to the masking control and to the self test, Manta is able to give an alert for any type of sabotage or tampering.

**Simplicity:** the audio/visual system mounted on board, make the alignment, walk/test and evaluation procedures very easy, without any optional external tool.

**Control:** Manta is provided with an Rs485 serial port that gives, as well as direct alarm collection through a Serial/Fiber Optic bus, allows remote operations, such as: parameter adjustment, reading of barrier history events, reading of monitor signals events, real time (oscilloscope) signal monitoring, real time measurement of power supply voltage, inside temperature etc.

### TECHNICAL FEATURES:

SENSOR TYPE	Digital outdoor microwave barrier
RANGE	50-80m
CHANNELS	16
POWER SUPPLY	13,8 Vdc
ALARM OUTPUT	3 relays RX / 2 relays TX
SPECIAL ALARM OUTPUT	Protocol RS 485 RX+TX
TEMPERATURE	-35°C /+ 65°C
ALIGNMENT	<b>Incorporated Audio/Visual tool</b>
ELECTRONICAL ALIGNMENT CHECK	<b>It provides a mathematical evaluation of the alignment precision</b>