



OUTDOOR DETECTION



**Wired & Wireless**

**All weather conditions**

**Pet and trees alarm resistant**



**AUS electronics**

ITALIAN SECURITY MANUFACTURER



|                                             | Wired                                                            |                 | Wireless                                      |                    |                                         |                       |
|---------------------------------------------|------------------------------------------------------------------|-----------------|-----------------------------------------------|--------------------|-----------------------------------------|-----------------------|
|                                             |                                                                  |                 | With<br>AVS ELECTRONICS<br>wireless interface |                    | With<br>universal<br>wireless interface |                       |
|                                             | OUTSPIDER<br>PA                                                  | OUTSPIDER<br>DT | OUTSPIDER<br>PA WS                            | OUTSPIDER<br>DT WS | OUTSPIDER<br>PA WS UB                   | OUTSPIDER<br>DT WS UB |
| Double PIR sensor                           | •                                                                |                 | •                                             |                    | •                                       |                       |
| Double PIR sensor + microwave -<br>DUALTECH |                                                                  | •               |                                               | •                  |                                         | •                     |
| Doppler effect for<br>vegetation immunity   |                                                                  | •               |                                               |                    |                                         |                       |
|                                             | 45° bracket + 4 Fresnel Lens                                     |                 |                                               |                    |                                         |                       |
| Included                                    | 3,6 V 8,55 A/h lithium battery<br>(more than 24 months autonomy) |                 |                                               |                    |                                         |                       |

## Range

AVS ELECTRONICS produces electronic alarm solutions in Italy since 1974 and introduces OUTSPIDER series, a range of **6 digital outdoor volumetric detectors**: 2 wired and 4 wireless.

## Advantages

**RELIABILITY** OUTSPIDER is well known for its really **high reliability, robustness and quality of its alarms**.

**IMMUNITY** The OUTSPIDER sensors are immune **to animals of size inferior to 70 cm**, thanks to their specific Fresnel lens.

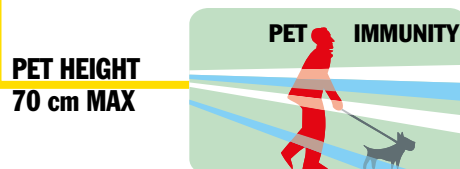
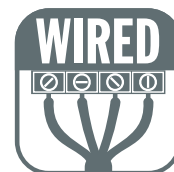
Dualtech OUTSPIDER are all **immune to solar alarms**, thanks to their microwave section. Specifically, OUTSPIDER DT - thanks to its unique DOPPLER solution - **discriminates alarms due to the movements of the vegetation**.

**ALARM** The embedded microprocessor generates the alarm after analysis of all the sensors of the detector. The last 1920 alarms are recorded with curve, time and date in the local **memory**.

**ANTI-MASKING** OUTSPIDER is protected from masking attempt by a built-in infrared solution. A separate “dirty lens” information indicates the poor conditions of the lens.

**EASY INSTALLATION** OUTSPIDER integrates the “SMART EDITION” solution to create a **simple, perfect and fast installation**, without the need of special tools.

**CONNEXION** In addition to the “normally closed” universal outputs, the wired OUTSPIDER can be connected by RS485 bus to a universal hub (XSAT HP) or to any AVS ELECTRONICS’ control panel.



The best solution  
for outdoor detection

**AVS electronics**  
ITALIAN SECURITY MANUFACTURER

ANTIMASKING  
INFORMATION

## SOFTWARE MANAGEMENT

**OUTSPIDER** can be monitored and programmed by software directly by USB and - if connected by RS485 bus - by **USB, PSTN, GSM and IP**.

**STATE OF ART.** OUTSPIDER presents technological advantages in the today's market.

## MARKET

**OUTSPIDER** is dedicated to the perimeter protection of **industrial, commercial or residential perimeters**, for the alarm, prealarm and help for video verification.

**OUTSPIDER** can detect up to **23 meters** or with a 90 ° opening.

**OUTSPIDER** installation height goes from 1 to **2.7 meters** that place it away from the top of mobile or fixed obstacles which may limit its detection. Its case has been designed to protect him from **all weather conditions** and to leave an inside volume for a **camera** installation.

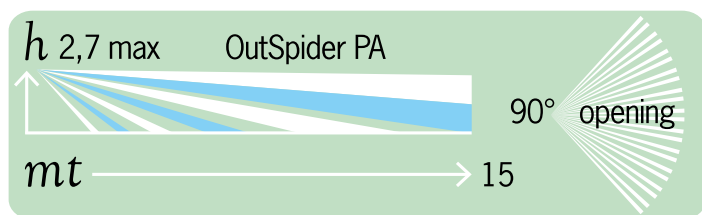
Not only **OUTSPIDER** detects during days and night, but during the warmest period of the summer,

**OUTSPIDER** continues to detect normally thanks to its built-in temperature **compensation feature** which allows him to keep equal the detection distances, in order to maintain the same security level.

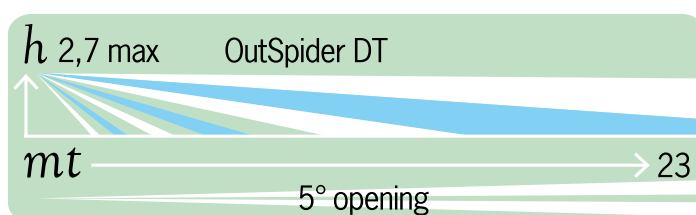
**OUTSPIDER** is designed to operate from -20 ° to +55 ° C



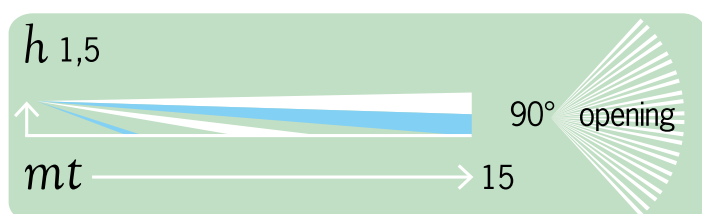
90° opening regular lens



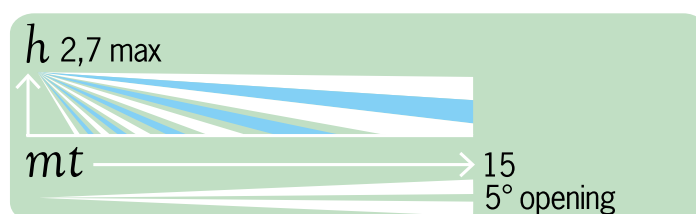
5° opening long range lens



90° opening low height lens



5° opening regular lens



## PERIPHERALS

### USB-OUT

USB cable adapter for local software management



### XSAT HP

RS485 HUB

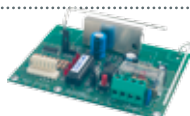


### HPWIN

Optional programming and managing Software

### INT 4 WS

Wireless receiver



### ZB20105

3,6 V 8,55 Ah lithium battery for WS version

## OPTIONAL BRACKETS

### SP - OUT

For pole installation (max. diam 40 mm)



### SM - OUT

Stainless steel 90° bracket



### ST - OUT

Inner stainless steel bracket for 20 mm diam. electrical conduits



| TECHNICAL FEATURES                       | OutSpider PA                                                                                                 | OutSpider DT                                    | OutSpider DT WS<br>OutSpider DT WS U / UB       | OutSpider PA WS<br>OutSpider PA WS U / UB |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| Detection type                           | Double PIR sensor                                                                                            | Double PIR sensor +<br>Double microwave antenna | Double PIR sensor +<br>Single microwave antenna | Double PIR sensor                         |
| 90° coverage 2.2 m height                | 15 meters                                                                                                    | 15 meters                                       | 15 meters                                       | 15 meters                                 |
| 5° coverage 2.2 m height                 | 15 meters                                                                                                    | 15 meters                                       | 15 meters                                       | 15 meters                                 |
| 5° coverage 2.2 m height                 | 23 meters                                                                                                    | 23 meters                                       | 23 meters                                       | 23 meters                                 |
| 90° coverage 1.2 m height                | 15 meters                                                                                                    | 15 meters                                       | 15 meters                                       | 15 meters                                 |
| Installation height                      | From 1 up to 2.7 meters                                                                                      |                                                 |                                                 |                                           |
| Fixing bracket                           | Included                                                                                                     |                                                 |                                                 |                                           |
| Immunity to animals                      | Up to 70 cm high animals                                                                                     |                                                 |                                                 |                                           |
| Nominal voltage                          | 12 V                                                                                                         | 12 V                                            | With included 3,6 V 8,55 Ah lithium battery     |                                           |
| Minimum voltage                          | 11.5 V                                                                                                       | 11.5 V                                          |                                                 |                                           |
| Maximum voltage                          | 15 V                                                                                                         | 15 V                                            |                                                 |                                           |
| Standby consumption                      | 53 mA                                                                                                        | 55 mA                                           | -                                               | -                                         |
| Consumption during alarm                 | 67 mA                                                                                                        | 77 mA                                           | -                                               | -                                         |
| Dimensions: (D x W x H) cm               | 9.5 x 10.5 x 23.5                                                                                            |                                                 |                                                 |                                           |
| Dimensions with cap:<br>(D x W x H) cm   | 13.5 x 14 x 24                                                                                               |                                                 |                                                 |                                           |
| Lock input                               | It is possible to block the microwave thanks to the dedicated “B” input, when the control panel is disarmed. |                                                 |                                                 |                                           |
| Auxiliary input                          | Negative input for extra information                                                                         |                                                 |                                                 |                                           |
| Alarm output                             | Normally closed (C/NC)                                                                                       |                                                 | yes                                             |                                           |
| Antimask output                          | Normally closed (C/NC) for antimasking information                                                           |                                                 | for UB series                                   |                                           |
| Dirty lens output                        | Transistorised output for dirty lens information                                                             |                                                 |                                                 |                                           |
| Tamper output                            | Normally closed (C/NC)                                                                                       |                                                 |                                                 |                                           |
| Frequency                                |                                                                                                              |                                                 | FM 868 MHz                                      |                                           |
| Alarm wireless transmission              |                                                                                                              |                                                 | yes (for AVS ELECTRONICS wireless protocols)    |                                           |
| Antimask wireless transmission           |                                                                                                              |                                                 | yes                                             |                                           |
| Dirty lens wireless transmission         |                                                                                                              |                                                 | yes                                             |                                           |
| Low battery wireless transmission        |                                                                                                              |                                                 | yes                                             |                                           |
| Supervision wireless transmission        |                                                                                                              |                                                 | yes                                             |                                           |
| Walk test and calibration                | Led and buzzer - with SMART EDITION                                                                          |                                                 |                                                 |                                           |
| Serial output – RS485                    | yes                                                                                                          |                                                 | -                                               |                                           |
| USB Output                               | Yes - with optional cable mod. USB-OUT                                                                       |                                                 |                                                 |                                           |
| Selectable serial addresses              | 32                                                                                                           |                                                 |                                                 |                                           |
| Events memory                            | Up to 1920 events memorised with date and time<br>- waveforms - working temperature                          |                                                 |                                                 |                                           |
| Blocks memorisation with system disarmed | yes                                                                                                          |                                                 | -                                               |                                           |
| Microwave frequency                      | -                                                                                                            | 10,525 GHz (+/-20MHz)                           |                                                 | -                                         |
| Microwave signal type                    | -                                                                                                            | impulse                                         |                                                 | -                                         |
| Radiated RF power                        | -                                                                                                            | < 14 dBm                                        |                                                 | -                                         |
| Environmental conditions                 | from -20°C to +55°C                                                                                          |                                                 |                                                 |                                           |
| IP Level                                 | IP 65                                                                                                        |                                                 |                                                 |                                           |
| Compliant RF Standard                    | yes                                                                                                          |                                                 |                                                 |                                           |



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