



OUTDOOR DETECTION

Wired & Wireless

All weather conditions

Pet and trees alarm resistant





	Wired		Bidirectional Wireless			
	OUTSPIDER PA	OUTSPIDER DT	With AVS ELECTRONICS wireless interface		With universal wireless interface	
	OUTSPIDER PA	OUTSPIDER DT	OUTSPIDER PA WS 4	OUTSPIDER DT WS 4	OUTSPIDER PA WS UB	OUTSPIDER DT WS UB
Double PIR sensor	•		•		•	
Double PIR sensor + microwave - DUALTECH		•		•		•
Doppler effect for vegetation immunity		•				
Included	45° bracket + 4 Fresnel Lens		3,6 V 8,55 A/h lithium battery (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**, thanks to their specific Fresnel lens.

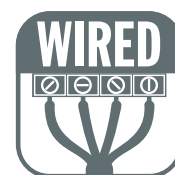
Dualtech OUTSPIDER are all **immune to solar alarms**, thanks to their microwave section. Specifically, OUTSPIDER DT - thanks to its unique DOPPLER solution - **discriminates alarms due to the movements of the vegetation**.

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.



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.

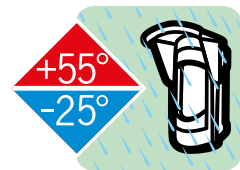
OUTSPIDER can detect up to **23 meters** or with a 90 ° opening.

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.

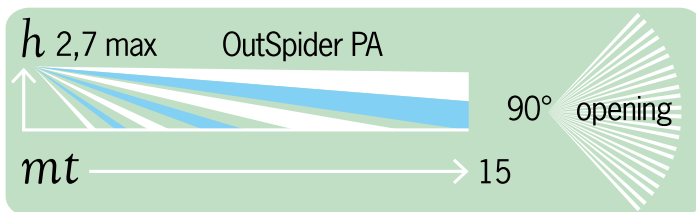
Not only **OUTSPIDER** detects during days and night, but during the warmest period of the summer,

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.

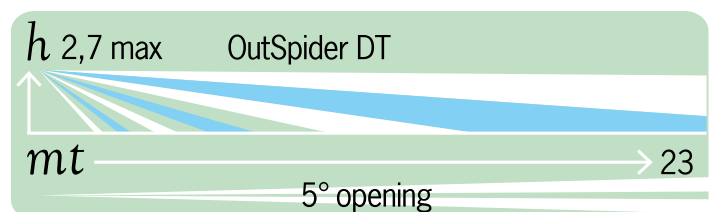
OUTSPIDER is designed to operate from -25° to +55° C



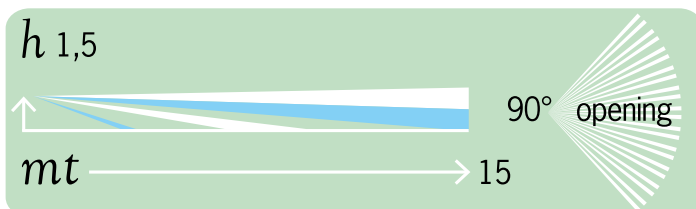
90° opening regular lens



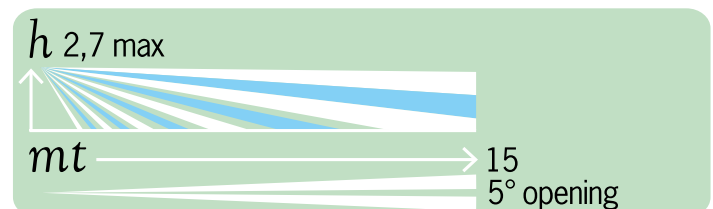
5° opening long range lens



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

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 4 OutSpider DT WS U / UB	OutSpider PA WS 4 OutSpider PA WS U / UB
Detection type	Double PIR sensor	Double PIR sensor + Double microwave antenna	Double PIR sensor + 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	Yes			
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: (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 protocole)	
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 - 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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