AVS electronics

RAPTOR



ALWAYS SAFE AND PROTECTED WITH THE WIRELESS BIDIRECTIONAL SYSTEM

Burglar alarm

Video verification

Home Automation

Cloud

Wherever you are, security is always with you!

RAPTOR: the professional wireless system for any application need.

Raptor is a range of modular, Plug & Play **bidirectional wireless control panels, ideal for small and medium-sized security systems.** Available **with or without a keypad,** it offers up to 125 zones, 125 remote controls, 8 partitions with 4 arming modes, 64 scenarios, 16 telephone numbers and management of up to 8 wireless sirens, with optional IP and PSTN modules.

GFSK radio technology, featuring automatic channel scanning, provides protection against interference and jamming attempts. The sensors incorporate **AFC** (Automatic Frequency Change) and **DPT** (Dynamic Power Transmitter) functions, which optimize frequency, transmission power and communication reliability.



RAPTOR RK 4G - RK
Embedded LCD keypad supplied in 220 VAC



RAPTOR R 4G - R
Without LCD keypad supplied in 220 VAC



RAPTOR RK LC 4G
Embedded LCD keypad supplied by batteries (included)

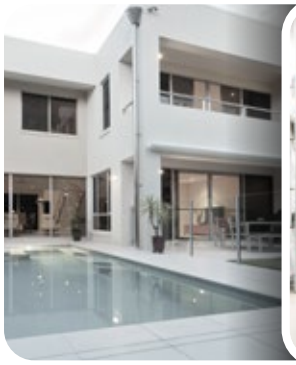


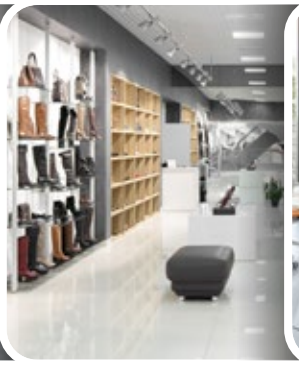
RAPTOR R LC 4G
Without LCD keypad supplied by batteries (included)

Quality MADE IN ITALY

MADE IN ITALY

Entirely **designed and manufactured in Italy**, Raptor ensures high security standards and ease of installation. The built-in GSM module and optional IP module enable **full remote system management via the MyAVSAlarm app**, while voice guidance provides clear notifications of alarms, faults and system status.







Raptor: advanced, professional, flexible and easy to install!

Burglar Alarm

AVS electronics

RAPTOR: the bidirectional system for a complete protection and easy installation.

CITY WS 4

LED OUTDOOR SIREN
Available in carbon look version (C)



GHOST WS 4 PLUS

BIDIRECTIONAL WIRELESS TRANSMITTER FOR DOORS AND WINDOWS
With two-channels magnetic contact and inertial detector



WIC 4 PLUS
WIC 4 MINI PLUS

WIRELESS MAGNETIC CONTACT DOUBLE CHANNEL WITH INERTIAL
Available also without the inertial WIC 4 - WIC 4 MINI and in brown color (B) - black color (N)



JET 360 WS 4

INDOOR CEILING MOUNTING PIR



SD4 WS

INDOOR WIRELESS OPTICAL SMOKE DETECTOR





JET DT WS 4
JET PA WS4 JUNIOR

DOUBLE TECHNOLOGY INDOOR DETECTOR
Available also in PIR JET PA WS 4

TS 22 WS 4

INDOOR SIREN





MDS 201
MDS 202
MDD 201
MDR 201

HOME AUTOMATION MODULES



MDC 200

LOAD CONTROL MODULE



JET PA WS 4
VIDEO PRO

PASSIVE INFRARED DETECTOR
with antimasking and camera/audio integrated





BIP 4 PLUS

BIDIRECTIONAL REMOTE CONTROL

A500 WS 4

LCD WIRELESS KEYPAD

A500 PLUS WS 4

LCD WIRELESS KEYPAD WITH ADVANCED FUNCTIONS



SPECTRUM DT WS AM 4

DOUBLE TECHNOLOGY OUTDOOR DETECTOR
Available in double side version
SPECTRUM PA WS WALL 4 and SPECTRUM PA WS WALL AM 4



OUTSPIDER DT WS 4

DOUBLE TECHNOLOGY OUTDOOR DETECTOR
Available also in double PIR
OUTSPIDER PA WS 4



SPECTRUM DT WS4 AM VIDEO

TRIPLE TECHNOLOGY OUTDOOR DETECTOR
with camera and antimasking



ONE PA WS 4

OUTDOOR CURTAIN DETECTOR



WING 4 WS

INDOOR CURTAIN DETECTOR
Available also with the antimasking WING 4 MWS

Wireless video verification: secure, reliable and flexible!

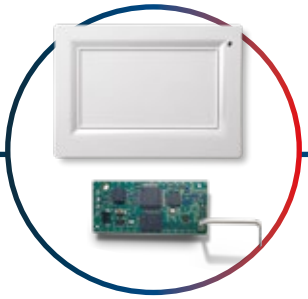
WIRELESS VIDEO VERIFICATION enables **immediate visual verification of alarm events** through video detectors equipped with built-in cameras, connected to the optional RVS receiver and/or the XSATWS4 VIDEO serial satellite module. Furthermore, the optional EWEB PLUS VIDEO interface allows the integration of **up to 8 IP cameras supporting the ONVIF (S) protocol.**

The AVS Cloud platform enables **images captured before, during and after an alarm event to be transmitted to the MyAVS ALARM app**, sending the user a PUSH notification together with the recorded video.



JET PA WS4 VIDEO PRO SPECTRUM DT WS4 AM VIDEO

Transmit the images and audio detected following an alarm via radio to the XSAT WS4 VIDEO and/or to the RVS satellite.



XSAT WS4 VIDEO RVS VIDEO SATELLITE

Sends the images and audio to AVS control panels, through the RS 485 serial BUS.



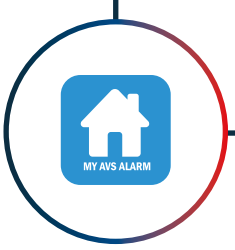
THE CONTROL PANEL

Transmits images and audio to MyAVS Cloud via GPRS/4G connection or through the EWEB PLUS VIDEO network board.



THE AVS CLOUD

Composes a video complete with audio and sends it by Push-notification to the MyAVS Alarm App.



MyAVS Alarm APP

The end user receives the Push notification to view the video of the alarm that happened.



Smart home

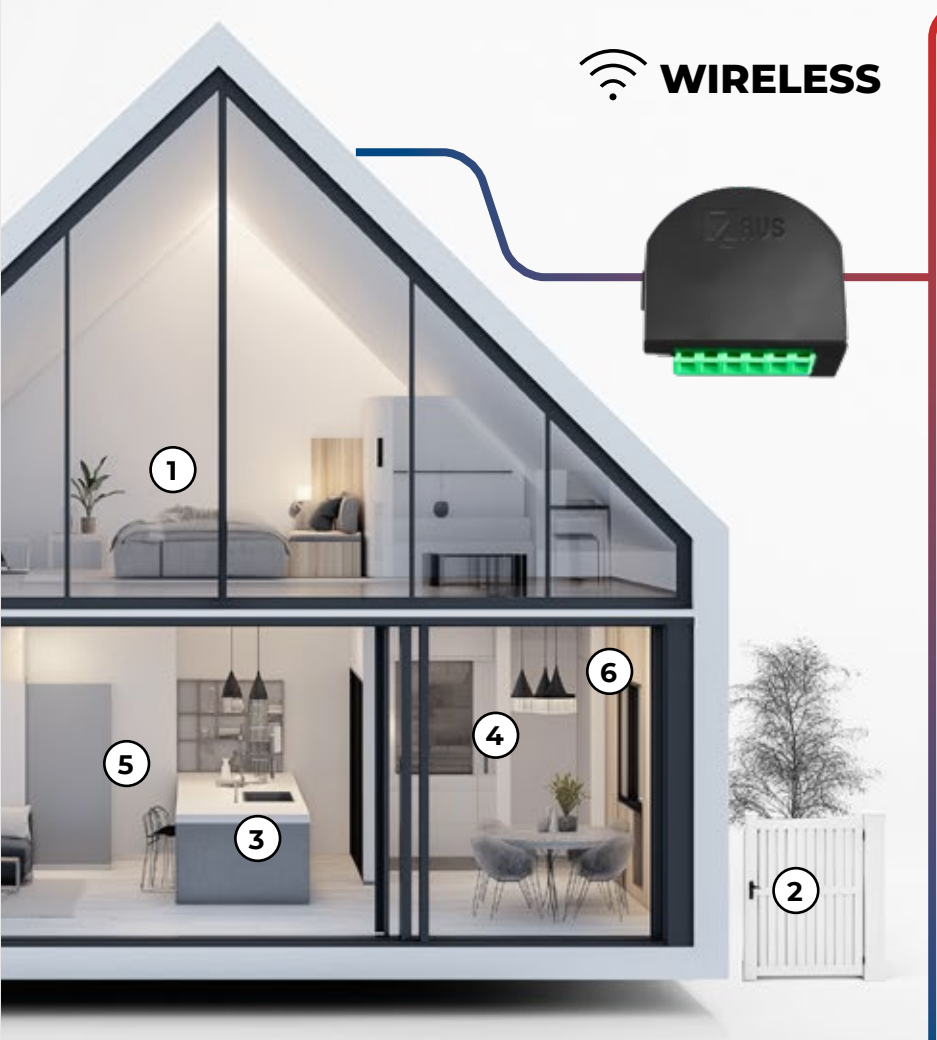
AVS electronics

AVS Smart Home: efficiency, control, and comfort in any environment.

AVS Smart Home transforms every space into an intelligent, efficient, and comfortable environment. Control lights, climate, and devices easily even remotely.

More convenience, less waste, maximum comfort.

The home automation modules range includes one and two relay modules, modules for motorized systems, lighting dimmers, and load control modules featuring energy consumption monitoring.



1. **Smart spaces**
2. **Motorized devices**
3. **Energy consumption monitoring**
   - **MDS 201 -** 1 relay module
     MDS 202 - 2 relay module
   - **MDC 200**
     Load control module
4. **Lightning management**
   - **MDD 201**
     Dimmer module
5. **Temperature management**
   - **MST 015 -** Temperature probe
6. **Motorized openings**
   - **MDR 201 -** Roller shutter module

Everything under control.

The **flexibility** of the **wireless technology**, combined with the small size of the dedicated modules, allows to easily integrate Home Automation in any system, ensuring **more security, more comfort, total control of your home** and with a **saving in energy consumption.**

Google alexa

RAPTOR

Cloud

My AVS Alarm APP: security and freedom, always by your side.

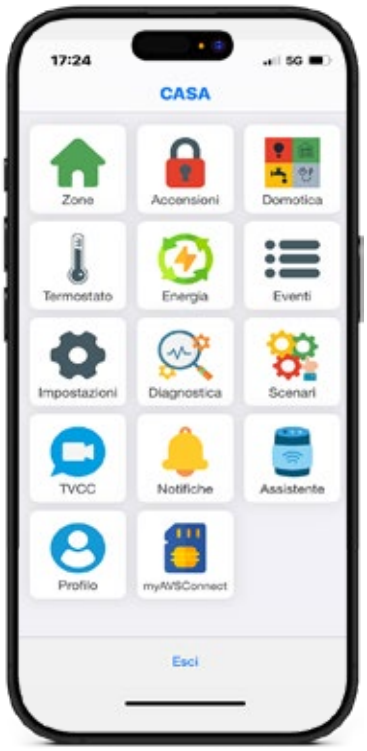
MY AVS ALARM

Real-Time Notifications
The AVS Cloud keeps you constantly informed about what is happening in your system through Push Notifications, sent whenever an alarm is triggered, an anomaly is detected, or the system status changes.

Security
With the MyAVSALARM app, you can monitor the status of your system and manage its activation and deactivation at any time.

Home Automation
A simple, intuitive interface gives you easy access to all programmed home automation functions, such as switching lights on and off, controlling roller shutters, operating automatic gates, and much more.

Temperature control
With the MyAVSALARM app, you can configure and manage the temperature in each room of your home according to your preferences.



Electrical load and energy consumption monitoring
With the MyAVSALARM app, you can monitor electricity consumption and set load priorities to manage overload conditions.

Video verification
The MyAVSALARM app allows you to view video recordings captured following an alarm event.

Scenarios
With a single command, you can perform multiple operations simultaneously, making even the most complex functions easier to manage.

Event log
The MyAVSALARM app allows you to download and view system events in chronological order.

myAVS Cloud and myAVS Manager App for control panel programming.

MY AVS MANAGER

The **certified AVS Cloud** ensures a **secure and reliable connection**, continuously monitoring the Internet connection status. In the event of alarms, faults, access events or network anomalies, it sends **real-time push notifications directly to your mobile device**.

AVS CLOUD

MY AVS ALARM

MY AVS MANAGER

Guided programming with the Wizard via the My AVS Manager app

System configuration is quick and easy thanks to the **Wizard integrated** into the My AVS Manager app. This continuously updated and **completely free service** provides installers with all the tools and information needed for **fast and secure installation, saving valuable time**.
The **XWIN software** for PC-based programming is also available.

RAPTOR CONTROL PANEL - TECHNICAL DATA

	220AC		BATTERY	
	RAPTOR R RAPTOR R 4G	RAPTOR RK RAPTOR RK 4G	RAPTOR R LC 4G	RAPTOR RK LC 4G
INPUT & OUTPUT				
Programmable software zones	125	125	125	125
Wired input zones + code C8)	3+(8)	3+(8)	3(NO)	3(NO)
Zone mapping	✓	✓	✓	✓
Relays (C/NC/NO) for traditional sirens	1	1	-	-
Open collector output on board	2	2	-	-
FUNCTIONAL FEATURES				
Areas	8	8	8	8
Arming /partialization per area	4	4	4	4
Area for round check	✓	✓	✓	✓
Multifunctional Scenarios	64	64	64	64
WIRELESS				
Bidirectional comunication GFSK - FM868 Mhz	✓	✓	✓	✓
AFC (Automatic Frequency Change)	✓	✓	✓	✓
DPT (Dynamic power transmission management)	✓	✓	✓	✓
RDS (Remote Detector Setting)	✓	✓	✓	✓
Dynamic management low comsuption - ALP (Automatic Low Power)	✓	✓	✓	✓
Wireless Jamming detection	✓	✓	✓	✓
Wireless range in open area	200 m	200 m	200 m	200 m
VARIOUS WIRELESS				
Wireless keypads	4	4	4	4
Wireless Sirens	2	2	2	2
Wireless Detectors	125	125	125	125
Remote controls	125	125	125	125
KEY & CODES				
Installer Code	2	2	2	2
User Code & Emergency codes	125	125	125	125
Keys/Tag NFC with user recognition	125	125	125 (no NFC)	125
NETWORK TCP-IP CONNECTIVITY				
Interface comunicator with other systems	✓	✓	-	-
WEB Server Interface	✓	✓	-	-
User Management with App My Avs Alarm in Cloud	✓	✓	-	-
Control Panel Programming with the installer APP My Avs Manager in Cloud	✓	✓	✓	✓
PHONE DIALLER				
PSTN Dialler	opt - no rtc	opt - no rtc	opt - no rtc	opt - no rtc
GSM/GPRS with vocal / digital / sms	✓	✓	✓ - no rtc	✓ - no rtc
2G - LTE - 4G Dialler	Only 4G model			
Vocal Sint. With pre-recorded library and 40 customizable messagges	✓	✓	✓	✓
Phone numbers	16	16	16	16
Remote System management from phones (DTMF)	✓	✓	✓ (After notification)	✓ (After notification)
Periodic call testing to check system functionality	✓	✓	✓	✓
Vocal guide	✓	✓	✓	✓
Remote listening	✓	✓	✓	✓
TIMERS				
Weekly Timer	✓	✓	✓	✓
Bank Holidays Management	10	10	10	10
Daily Operations: Areas: Arming / Disarming	16	16	16	16
SYSTEM PROGRAMMING AND CONFIGURATION				
XWIN: Programming software with real time functionality	✓	✓	Local	Local
Wizard on App MY AVS MANAGER installer	✓	✓	✓	✓
App MY AVS MANAGER installer - Total programming	✓	✓	✓	✓
Wizard installer on keypad with vocal syntesys	-	✓	-	✓
CONFIGURATIONS OF WIRELESS DEVICES				
Setting - Range/ sensibility	✓	✓	✓	✓
Setting Special Functions - Accelerometer - AM - SW - Alarm	✓	✓	✓	✓
Management of reduction of consumption	✓	✓	-	✓
STRUCTURE				
Embedded keypad with LCD display	-	✓	-	✓
Keypad on BUS RS485	7	7	-	-
Embedded Siren	✓	✓	✓	✓
USB	✓	✓	✓	✓
Switching Power Supply	1A	1A	-	-
Batteries	12 V 2,1 Ah	12 V 2,1 Ah	6x1,5Vdc D	6x1,5Vdc D
Box (L x H x P) mm	247 x 232 x 55			
HOME AUTOMATION				
N° modules	115	115	-	-
N° rooms	16	16	-	-

Wired system accessories

WIRED CONTROL DEVICES

ICE
Touch screen keypad



A500
Smart LCD keypad



A600 EVO
Compact LCD keypad



A1000
Touch Sense keypad



T8+ / T10
Touch Screen keypad



AIR
NFC
proximity tag



RS KS
Serial BUS
NFC reader

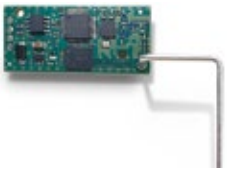


VIDEO VERIFICATION AND WIRED ZONE EXPANSION MODULES

XSAT WS4 VIDEO
RS485 BUS receiver/repeater for wireless peripherals and video detectors



RVS VIDEO SATELLITE
Plug-in wireless zone module for video detectors



C 8
Zones and outputs extension module



IP NETWORK AND PSTN COMMUNICATIONS

PSTN B
Telephone communication module on PSTN line



EWEB PLUS B
Optional board LAN/ Ethernet



EWEB PLUS B VIDEO
Optional board LAN/ Ethernet with VIDEO



ADDITIONAL POWER SUPPLIES AND RS485 BUS SIRENS

PWCPT
Power supply unit 1.2 Amp with zones in/out
PWCPTM Version 1.6 Amp



CITY HP
TS 85 HP
Outdoor LED sirenes on RS485 BUS



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D239 1 2610 - Ed. October 2026