ACTIVE INFRARED

THE SPECIFICS

# APIRIS

TRIPLE-TECHNOLOGY
ACTIVE INFRARED BARRIER

## PERFORMANCE FEATURES

- **Reliable high-performance barrier:** Triple technology, Active Infrared, Doppler sensor, Microwave
- **High reliability** of infrared
- **Remote configuration and maintenance**
- **ZONING** function
- **MAXIBUS Universal compatible:** VMS Integration

# APIRIS

TRIPLE TECHNOLOGY ACTIVE INFRARED BARRIER

ACTIVE INFRARED | THE SPECIFICS

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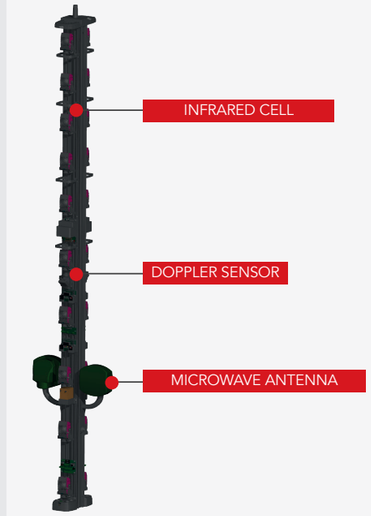
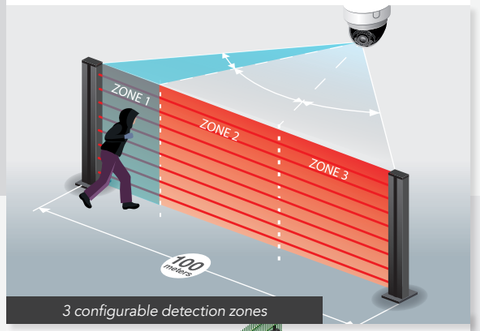
## RELIABLE AND VERY HIGH PERFORMANCE SYSTEM

- Three technologies to increase detection functionality:
  - Infrared barrier **with multiplexing via wired synchronization**
  - Microwave barrier for **volumetric detection**
  - Doppler sensor for crawling **cross line detection with zoning function**
- Three integrated technologies with **a single operating interface** (one general alarm)
- Configuration of the **detection zones for each technology** (limit of the upper zone of the barrier and use of Doppler or not)
- **Configuration of technologies combination** (modes ''AND/OR'')
- **Intruder size filtering:** several **simultaneous infrared detection modes**
- **Intruder speed** filtering: **alarm timing**
- Combination of the two filters: **reduction in number of unwanted alarms**
- **High infrared cells density**: up to 10 cells and 3 m in height

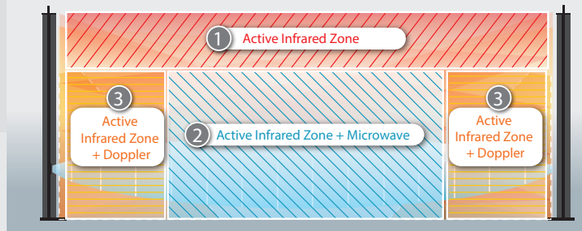



## ZONING FUNCTION

- Optimisation of the video system and **alarm verification**
- Up to **3 detection zones** over 100 m
- Configuration of **zones lenghts per barrier**




*3 configurable detection zones*




*Three different technology zones*

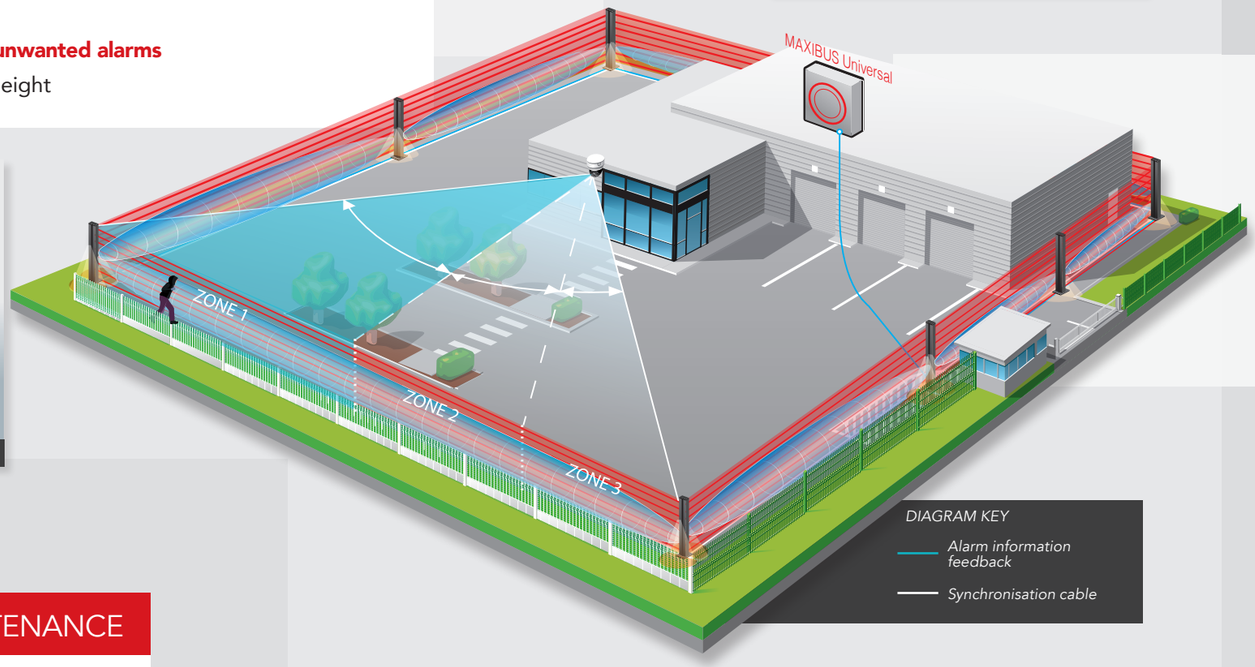
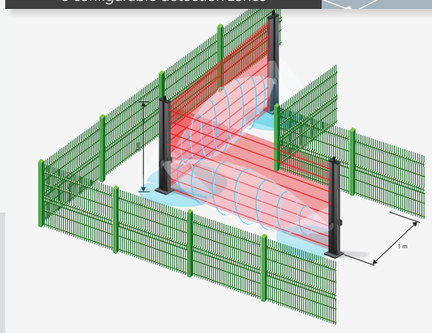



*DIAGRAM KEY*

*Alarm information feedback*

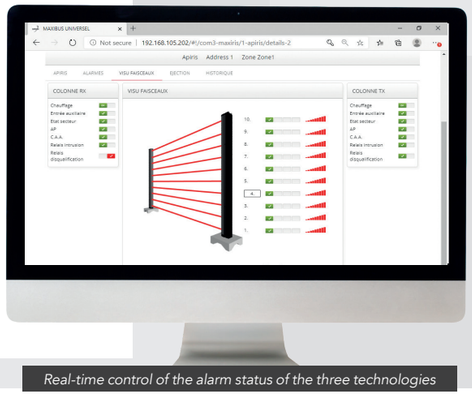
*Synchronisation cable*



*Example of a specific application: detection corridor*

## REMOTE CONFIGURATION AND MAINTENANCE

- **Embedded web server**
- **Beam visualisation:** real-time alarm status
- Configuration of **number of cells**
- Possibility to **eject one or more beams**
- Configuration **of each detection mode independently:**
  - mono-detection
  - independent bottom beam management (crawling)
  - dual-detection
  - **triple-detection**
- Possibility to configure **several detection modes simultaneously**



*Real-time control of the alarm status of the three technologies*

## MAXIBUS UNIVERSAL COMPATIBLE

### OPTIMISED ALARM MANAGEMENT...

- **Centralisation of all system alarms** to a single point
- **Remote access to products:** configuration and maintenance
- **Embedded** web server
- **Time and date stamped history** of alarm events

### ...DESIGNED FOR SIMPLIFIED INTEGRATION ON ALL YOUR SITES

- **Integration with VMS**
- **Easy integration:** API available
- **Secure** data transmission: **802.1X**, TLS...
- **Various** alarm transmission **protocols:** ModBus, API
- **Dry contact** outputs: up to 136 relays

# TECHNICAL CHARACTERISTICS

| | APIRIS COLUMNS | |
|---|---|---|
| **Housing** | 3100 | |
| **Column heights** | 2,50 m | 3 m |
| **Maximum outdoor IR range** | 100 m | |
| **Maximum number of cells per direction** | 8 cells | 10 cells |
| **Detection mode** | Multiplexing with wired synchronisation:<br>Mono-detection / Bottom beam mono-detection / Dual-detection / Triple-detection | |
| **Power supply** | 110 Vac / 230 Vac-60 Hz / 50 Hz | |
| **Alarm information** | Intrusion (up to 3 alarm information with zoning: one alarm per zone)<br>Disqualification / Tamper / Anti-climbing cap / Technical alarm | |
| **Alarm transmission** | Wired network output / Dry contact | |
| **Alignment tools** | Audible and visual signals on all columns | |
| **Operating temperature** | From -40°C to +70°C | |
| **Electromagnetic compatibility** | Compliant with European standards (CE label) | |

| | MAXIBUS UNIVERSAL HUB |
|---|---|
| **Configuration Tools** | Embedded web server |
| **Alarm outputs** | From 8 to 136 on/off contact outputs / ModBus / PLC |
| **4 communication ports** | Can handle 4 x 32 columns |
| **Power supply** | 12 Vdc |
| **Operating temperature** | From 0°C to +55°C |
| **Security** | Compatible with 802.1X, TLS and other networks... |



SORHEA

1, rue du Dauphiné - CS 90323 - 69517 Vaulx-en-Velin Cedex - FRANCE
+33 (0)4 78 03 06 10 I +33 (0)4 78 68 24 61 I export@sorhea.com I **www.sorhea.com**