ProTech
by **H** HIRSCH

APIRIS 3100

Multiple Technology Barrier

http:// Maxibus Universal

1 2 3 Zoning

IR Triple Technology

IP IP Technology

Exceptional **Performance** barrier

- **Multiple Technology System:** Active infrared, Dual Technology sensor and bi-static microwave

- **Integrated ZONING function**

- **IP technology** for remote set up and maintenance

infrared technology

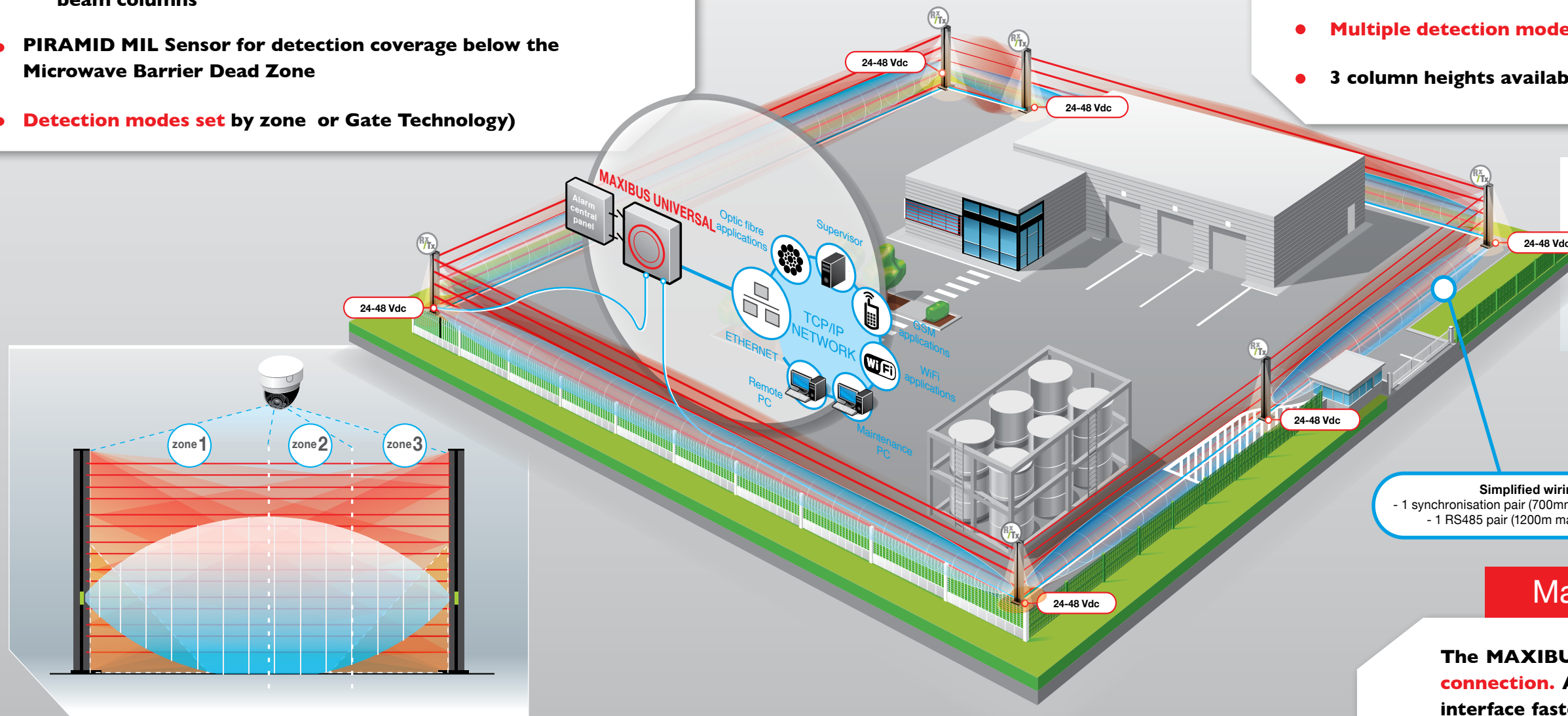# Multiple Technology Barrier

- **Multiple technologies for reliable detection:**
  - **Active Infrared beams multiplexed by wired synchronization**
  - **Microwave Barrier** for all-weather operation
  - Dual Technology Sensor for detection coverage below IR beam columns

- **PIRAMID MIL Sensor** for detection coverage below the Microwave Barrier Dead Zone

- **Detection modes set** by zone or Gate Technology)

Pre-wired columns

- **Simple or double face column**

- **Up to 14 cells per 10 ft** (3m) column (28 beams in single direction and 56 beams in double direction)

- **Multiple detection mode:** Single, dual or triple detection

- **3 column heights available: 6.5 ft, 8 ft, 10 ft (2m, 2.5m, 3m)**

Protech by **HIRSCH**

MAXIBUS UNIVERSAL

Alarm Central panel

Optic fibre applications

Supervisor

TCP/IP NETWORK

ETHERNET

GSM applications

WiFi applications

Remote PC

Maintenance PC

24-48 Vdc

Apiris 3100 SF / SD

Apiris 3100 DF / DD

Simplified wiring
- 1 synchronisation pair (700mm max per barrier)
- 1 RS485 pair (1200m max per start)

zone 1 zone 2 zone 3

High Performance Detection

- **Multiple technologies integrated with 1 single operating interface** (1 overall or 4 independent alarms)

- **ZONING function**

- **Independent management of beam**

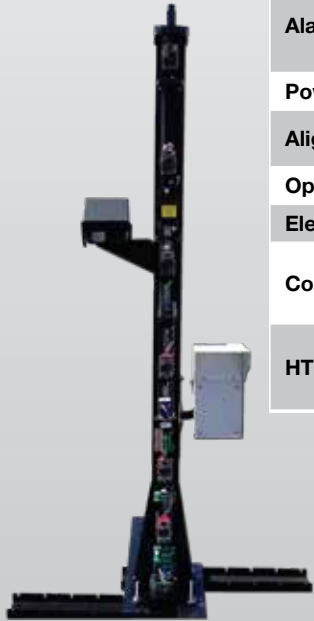- **Integrated anti-climbing cap**

Maxibus Universal: IP Technology

The **MAXIBUS Universal** is equipped with an **Ethernet connection. A secure Linux operating system makes the interface faster and more user-friendly. Each system can be configured locally or remotely thanks to its web server.**

- **4 communication ports : can handle up to 128 APIRIS columns** (4 x 32 columns)

- **Compatible with Milestone, Genetec, ONSSI,** and other leading VMS platforms

- **Remote set-up & maintenance and alarm log history**
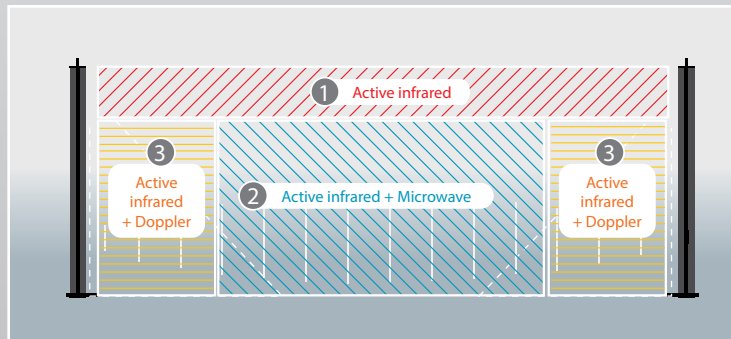
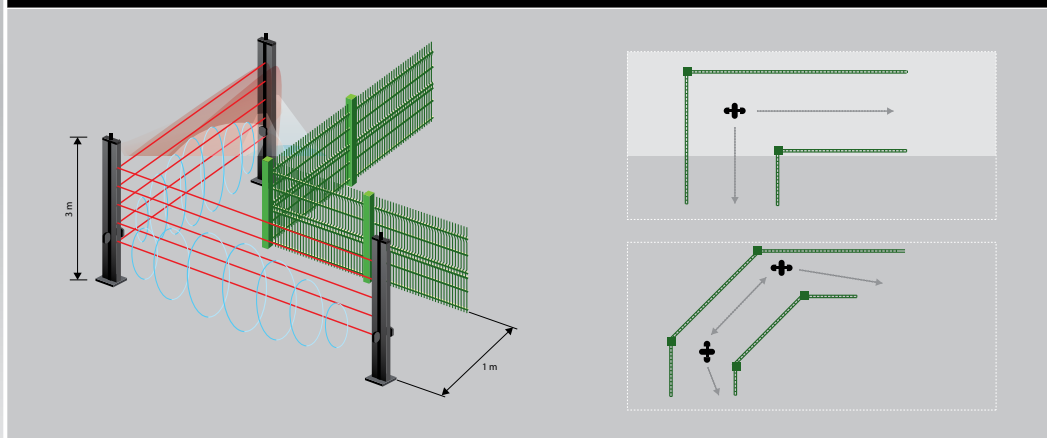- **Graphical view of the columns** on site

APIRIS 3100

Maximum outdoor range	328 ft. (100m)		
Height of the columns	6.5 ft. (2m)	8.2 ft. (2.5m)	9.8 ft. (3m)
Alarm outputs	COLUMN: RS 485 compatible MAXIBUS Universal - 2 dry contacts MAXIBUS Universal - Ethernet (RJ45 in each column) compatible ModBus TCP server/client - Dry contact outputs: from 8 to 136 relays maximum per hub		
Power supply	24Vdc/48Vdc		
Alignment tools	Buzzer and LEDs inside each column		
Operating temperatures	From -40°F to +158°F (-40°C to +70°C) - Thermostat heater in each column		
Electromagnetic compatibility	Compliant with European standards (CE approval)		
Configuration tools	• Integrated web server inside each column • Integrated web server inside the MAXIBUS Universal hub: remote access via internet connection		
HTML server functions	• Password protection • Parameter viewing/entry • Visualization of the log history and the state of the barrier		

*Rapid deployment mounts available

1. Active infrared
2. Active infrared + Microwave
3. Active infrared + Doppler
3. Active infrared + Doppler

Configuration example for a prison

3 m

1 m

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For the purpose of continuously improving the quality and performance of its products, Protech reserves the right to change the above specifications without notice.

PROTECH MANUFACTURER OF PERIMETER INTRUSION DETECTION SYSTEMS FOR SENSITIVE SITES