TECHNICAL SPECIFICATIONS

	MAXIRIS 3000					MAXIRIS 3100			
Inside maximum range	1640 ft (500m)								
Outside maximum range regardless of weather conditions	328 ft (100m)								
	3000					3100			
Column heights	1,1 m	2 m	2,5 m	3m	3,8 m	1 m	2 m	2,5 m	3 m
	3.3 ft	6.6 ft	8.2 ft	9.8 ft	12.5 ft	3.6 ft	6.6 ft	8.2 ft	9.8 ft
Intrusion alarm information	Intrusion, Disqualification, Tamper, Anti-climbing cap								
Alarm outputs	RS 485 on each column, compatible with MAXIBUS Universal Ethernet (RJ45 in each column) compatible ModBus TCP/IP server/client Dry contact outputs: from 8 up to 136 relays maximum per hub > 2 dry contacts available per column								
Input Voltage	24-48 Vdc								
Alignment tools	Buzzer and LED inside each column								
Operating temperatures	From -40° F to 158°F (-40°C to 70°C)								
Electro magnetic 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 network connection								
HTML server functions	• Password protection • Reading/Entry of the parameters • Visual display log history and the state of the barrier								

Configuration Example
Example with 5 columns, 2.5 m, 4 cells, Network, closed loop, 3 detection zones per barrier

Required parts	MAXIRIS 3000	MAXIRIS 3100
Columns	5 x 8.2 ft. columns	5 x 8.2 ft. columns
	SF/DD 6E16R - Ref : 30700306	DF/DD 6E16R - Ref : 30701308
Brackets	5 x pole 8.2 ft. - Ref : 35205200	5 x pole sockets - Ref : 30580001
Hub	Maxibus Universal Hub (2 or 4 comm port) 2 com port - Ref : 30792011 / 4 om port - Ref : 30792012	
Extension cards	3 x Extension cards - Ref : 355488419	

Distributor Stamp

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
SORHEA TECHNOLOGY
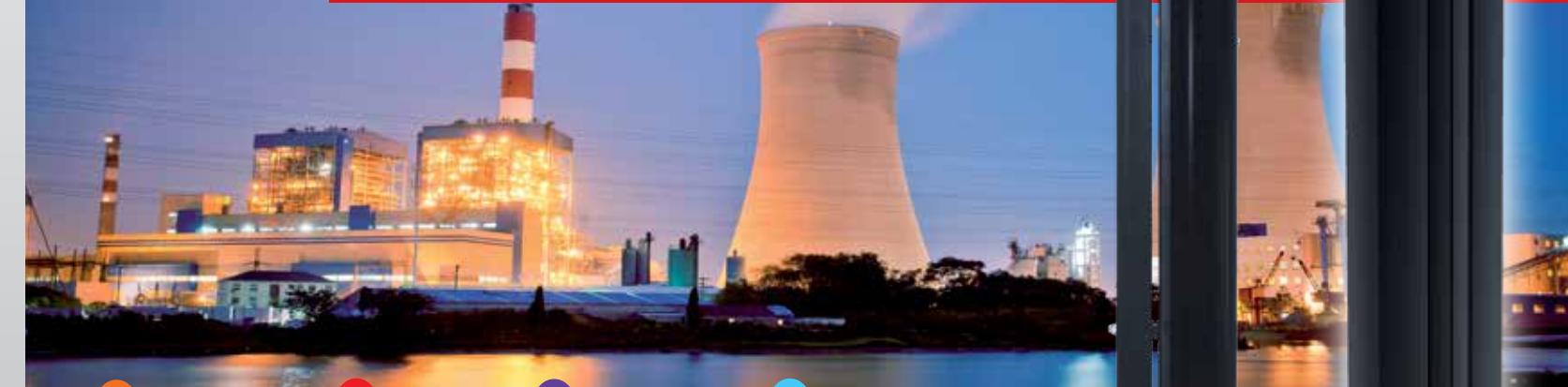
Perimeter Intrusion Detection Systems

MAXIRIS 3000/3100
High Security Infrared Barriers

http:// Maxibus Universal Hub

1 2 3 Zoning

IP IP Technology

IR Multiplexed IR

ZONING & IP

• **Innovative Zoning function**

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

• **Exceptional detection performance**

infrared technology
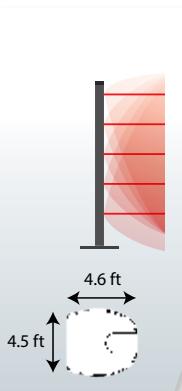
Modular

MAXIRIS infrared barriers are available in various frames to adapt to different site configurations.
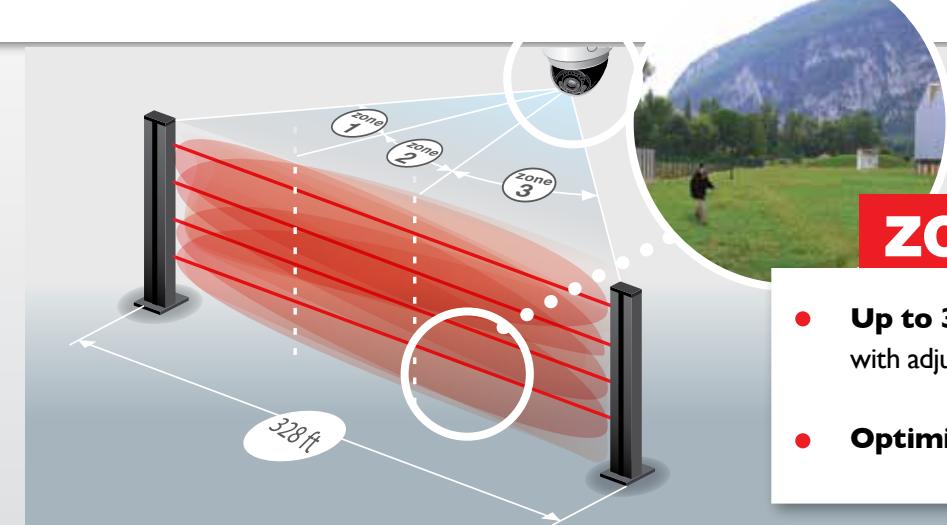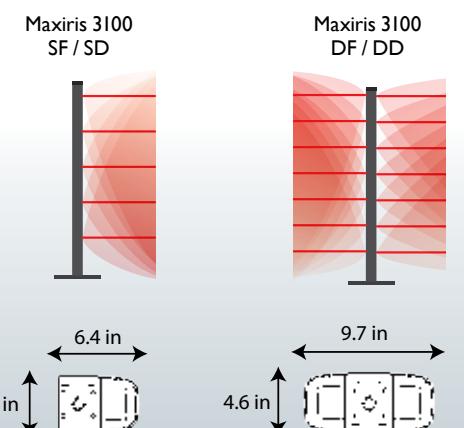
MAXIRIS Universal
- Single face column
- Up to 36 beams per direction
- Zoning: from 4 to 10 cells per column (top beam left uncut)
- Adapted column height:

SF : Single Face
DF : Double Face
SD : Single Direction
DD : Double Direction

4.6 ft
4.5 ft

Beams per direction

|	SF / SD
3.6 ft	8 Beams
6.6 ft	18 Beams
8.2 ft	24 Beams
9.8 ft	32 Beams
12.5 ft	36 Beams
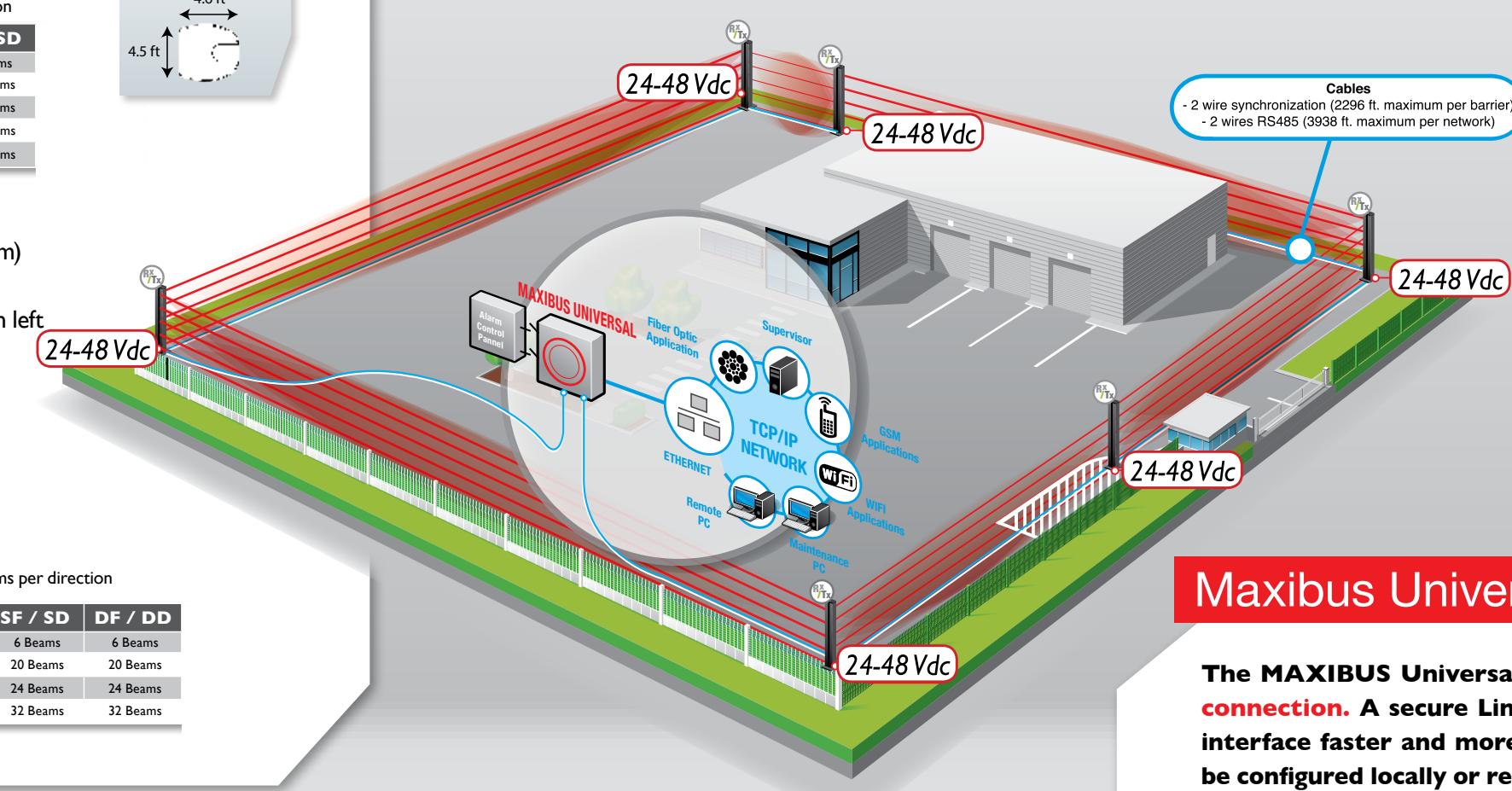
MAXIRIS 3100
- Single and Double face column
- High density beams: max 64 beams per 9.8 ft (3m) column in double direction
- Zoning: from 4 to 10 cells per column (top beam left uncut)
- Adaptable column height

Maxiris 3100 SF / SD
Maxiris 3100 DF / DD

6.4 in
4.6 in
9.7 in
4.6 in

Beams per direction

	SF / SD	DF / DD
3.3 ft	6 Beams	6 Beams
6.6 ft	20 Beams	20 Beams
8.2 ft	24 Beams	24 Beams
9.8 ft	32 Beams	32 Beams

ZONING Function
- **Up to 3 detection zones** with adjustable lengths
- **Optimized control of cameras**

zone 1
zone 2
zone 3
328 ft

24-48 Vdc
24-48 Vdc
24-48 Vdc
24-48 Vdc
24-48 Vdc
24-48 Vdc

Cables
- 2 wire synchronization (2296 ft. maximum per barrier)
- 2 wires RS485 (3938 ft. maximum per network)

MAXIBUS UNIVERSAL
Alarm Control Panel
Fiber Optic Application
Supervisor
TCP/IP NETWORK
ETHERNET
GSM Applications
WIFI Applications
Remote PC
Maintenance PC
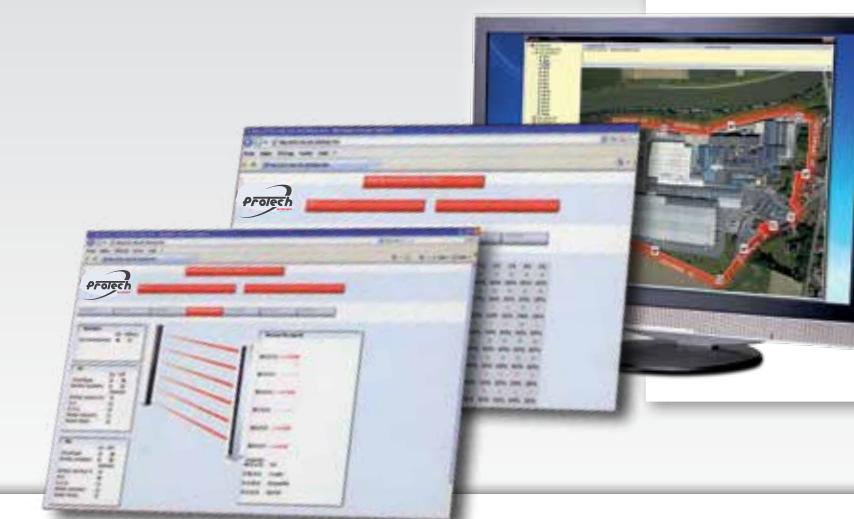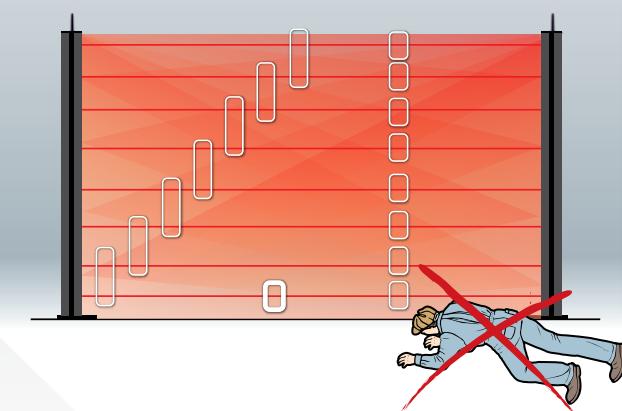
Maxibus Universal: IP Technology

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 through the web server.

- **4 communication ports :** can handle up to **128 MAXIRIS columns** (4 x 32 columns)
- **Compatible** with leading Video Management Systems through our SmartDevice connector
- **Remote set-up & maintenance and alarm log history**
- **Graphic view of the columns** on site

High Performance
- **Mixed cells** Transmitter/Receiver
- **Single / Dual / Triple detection**
- **Bottom beam control**
- **Detection transferred to next beam** in the event of **a disqualified zone.** *(If a beam is blocked or out of alignment, remaining cells continue to detect.)*