



Maxiris 3100

Detection / Infrared barriers

The Maxiris high-performance infrared barriers create an effective and invisible detection system that works as follows:

1. A transmitter column (TX) and a receiver column (RX) are installed face-to-face over a maximum separation of 100 m.
2. The transmitter cells send pulsed infrared beams towards the receiver cells which transform them into electrical signals.
3. If more than 95% of the transmitted signal is lost (interrupted), an intrusion alarm is triggered.

Features include:

- Simple or double face column with a choice of single- or double-direction high-density cells
- Choice of column heights (up to 3 m)
- Cells are multiplexed and synchronized allowing multiple detection mode and high quantity of cells
- Virtual detection areas (max 3 zones) between barriers shows precise location of intrusion
- Tamper protection

Maxiris can be remotely programmed via a web server, making installation, operation and maintenance convenient and easy.

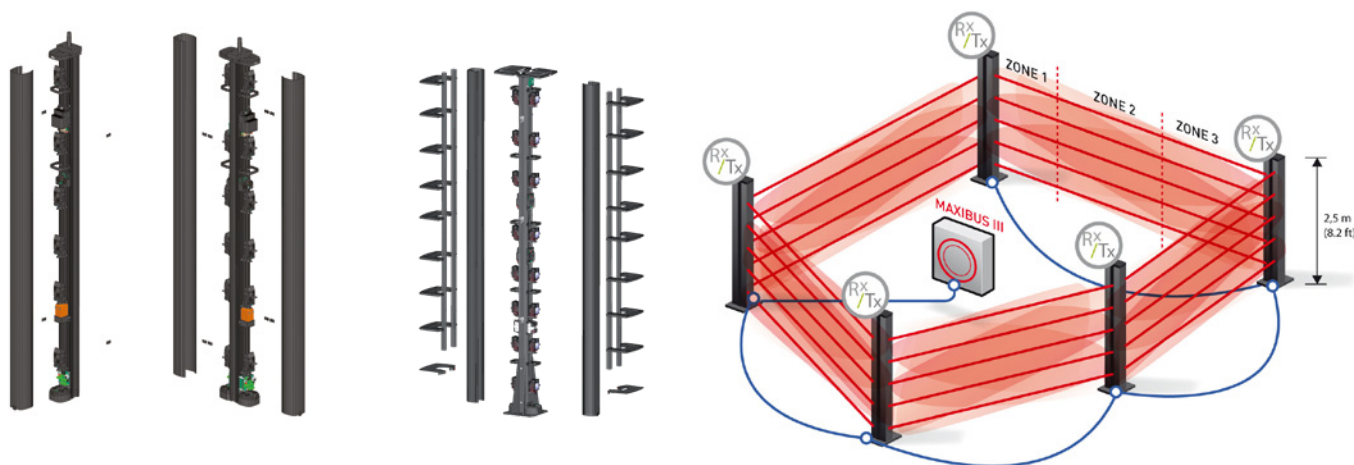
For multi-unit installations, connect all Maxiris units to a Maxibus Universal hub to centralize and coordinate all alarm signals from a maximum 96 columns. Each Maxibus has:

- up to 136 relay outputs to integrate directly into an alarm panel
- the option of SMS integration via IP connection to partners such as Cortech, Gentec, Milestone and TIL
- a remote maintenance history log, real-time visualisation of alarms and configurations of device settings via a web server.

- **Highly effective infrared detection**
- **Precise intrusion location (zone function)**
- **Remote (TCP/IP) configuration and maintenance**
- **Modular pre-wired housings for most site requirements**
- **Multiplexing prevents interference**



Drawings



Technical specifications

Barrier height (A) in mm	No. of cells (beams) per direction
1500	3 (6)
2000	10 (20)
2500	12 (24)
3000	16 (32)

Alarm outputs (dry contact)	2 relays (per column) for local alarms
Alarm transfer outputs	1x RS485 on each column
Ethernet port	1x RJ45 (100 Mbps) HTTP server protocol for maintenance and settings MODBUS TCP protocol for alarm outputs
Maximum beam range	100 m (outdoors) 500 m (indoors)
Maximum intrusion zones	Up to 3 (configurable)
Power supply	110-230 VAC (50-60 Hz)
Protection level	IP45
Operating temp	-35 to +70°C (thermostatic heater in column)
Footprint (simple face / single direction)	160 x 120 mm
Footprint (simple face / double direction)	120 x 160 mm
Footprint (double face / double direction)	250 x 120 mm

Certificates

- EMC directives 92/31/EEC, 2014/30/EU, 2014/35/EU, 2011/65/EU
- Electromagnetic compatibility: EN 61000-6-3, EN 50130-4
- Electrical appliances IEC 60950-1

Ordering information

Contact your local Heras office for precise ordering details.

Suggested accessories / products

- Maxibus universal hub
- Smart device software interface
- Back-up battery
- Anti-climbing cap
- Cable protection