

Active Infrared Barriers

High-Security
Access Control



Active Infrared Technology

Building upon over 35 years of experience, our Dynamic Scan Detection (DSD) technology guarantees that our infrared barriers are the most reliable on the market. DSD enables a high-density infrared barrier with cells to be independently managed. Our towers feature the highest cell density available. These infrared barriers cannot be breached without causing an alarm.

Active infrared barriers are composed of:

- TRANSMITTER CELLS that emit beams of invisible infrared light and
- RECEIVER CELLS that detect the beams and analyze whether they are correctly received.

Towers face each other and are installed along the site for perimeter protection.

The combination of these two cell types form an invisible wall of detection. When one or more of the beams is interrupted or broken, the system triggers an alarm.

How it works: Different modes (time-controlled dual-detection, mono-detection, time-controlled lower beam mono-detection) can be configured to ensure a high level of detection reliability and will function simultaneously, making it possible to filter out unwanted alarms (birds, animals, etc.)

Benefits

- Minimal space needed for equipment
- Limited maintenance required
- A proven solution: reliable and effective
- Creates a virtual, invisible detection wall
- Very low nuisance alarm rate
- Accurate detection of real intrusions
- Unaffected by lighting conditions
- Fast detection and alarm response
- Time saving easy installation and alignment
- Ideal for securing sensitive perimeters

APPLICATION SPECIFIC:	
MAXIRIS	For high security applications
High probability of detection	High cell density results in ultimate performance 1 meter (4 cells) to 3 meter (14 cells)
Remote diagnostics	- Through Maxibus Web Browser - Diagnostics: time-stamped event log with beam visualization
Reliable detection	- Multiple simultaneous detection modes - Zoning functionality in association with video alarm verification
Enhanced security	- Integrated anti-climbing caps - US Air Force Approved Protection Level 1 Nuclear and Below
All weather reliability	Integrated thermostat-controlled heaters
APIRIS	Multiple technology solution for ultra high security applications
Multi-Technology Solution	- Active infrared + Microwave barrier + Stereo Doppler motion sensor - High cell density results in ultimate performance
Remote diagnostics	- Multiple simultaneous detection modes - Zoning functionality in association with video alarm verification
Enhanced high security	- Integrated anti-climbing caps - US Air Force Approved Protection Level 1 Nuclear and Below
Remote diagnostics	- Through Maxibus Web Browser - Diagnostics: time-stamped event log with beam visualization
Military-Grade Approval	All 3 technologies US Air Force Approved Protection Level 1 Nuclear and Below
COST EFFECTIVE:	
SOLARIS	For applications requiring zero infrastructure
Autonomous barrier = lower costs	No civil engineering: solar powered with a wireless Mesh Network
Guaranteed site integrity and security	- Dynamic Radio Mesh Network (DRN) - Secure network: AES 256-bit data encryption
Enhanced security	Integrated anti-climbing caps, Detects crawling intruders
Scalable Detection	1 meter (3 cells) to 3 meter (10 cells)
All weather reliability	Patented anti-condensation/anti-ice caps
MIRIS	For hard-wired commercial grade long range sites
Savings in time and money	Easy cabling
Ease of installation	Identical towers
Scalable Detection	2 meter (with 4 cells) to 3 meter (with 8 cells)
All weather reliability	Integrated thermostat-controlled heaters
Long range	656 ft (200 m) between towers