

ACTIVE INFRARED BARRIERS



FULL RANGE OF SYSTEMS

APPLICATION SPECIFIC



MIRIS

2 m - (with 4 cells)
to 3 m - (with 8 cells)



SAVINGS IN TIME AND MONEY

- Easy cabling



EASE OF INSTALLATION

- Identical columns



ENHANCED SECURITY

- Integrated anti-climbing caps



ALL WEATHER RELIABILITY

- Integrated thermostat controlled heaters



LONG RANGE

- 656 ft (200 m) between towers



MAXIRIS

1 meter (4 cells) to 3 meter (14 cells)



HIGH PROBABILITY OF DETECTION

- High cell density results in ultimate performance



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 I Nuclear and Below

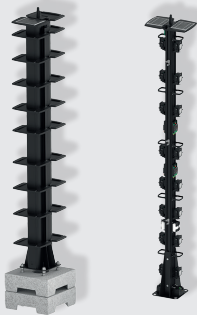


ALL WEATHER RELIABILITY

- Integrated thermostat controlled heaters



COST EFFECTIVE



SOLARIS

FOR APPLICATIONS
REQUIRING ZERO INFRASTRUCTURE



AUTONOMOUS BARRIER = LOWER COSTS

- No civil engineering: solar powered with a DRN Dynamic Radio Mesh Network



GUARANTEED SITE INTEGRITY AND SECURITY

- Dynamic Radio Mesh Network
- Secure network: AES 256-bit data encryption



ENHANCED SECURITY

- Integrated anti-climbing caps



ALL WEATHER RELIABILITY

- Integrated anti-climbing caps



APIRIS

MULTIPLE TECHNOLOGY
SOLUTION FOR HIGH SECURITY
APPLICATIONS



COMBINES VOLUMETRIC DETECTION WITH AN INFRARED BARRIER AND MOTION SENSOR (Passive IR + Microwave)

- A microwave barrier combined with MAXIRIS technology



All (3) technologies are US Air Force approved for Protection Level I Nuclear and Below



TECHNOLOGY

ACTIVE INFRARED BARRIERS

OPERATING PRINCIPLE

PROTECH 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.

Columns 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.

TECHNOLOGY BENEFITS



MINIMAL SPACE NEEDED FOR EQUIPMENT



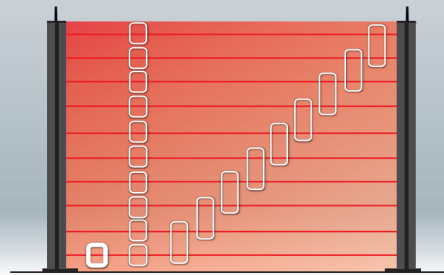
LIMITED MAINTENANCE REQUIRED



A PROVEN SOLUTION
Reliable and effective

PROTECH ACTIVE INFRARED TECHNOLOGY

Building upon over 30 years of experience, our Dynamic Scan Detection (DSD) technology guarantees PROTECH's infrared barriers are the most reliable on the market. DSD enables a high-density infrared barrier with cells to be independently managed. Each column is able to manage a maximum number of cells. These infrared barriers cannot be breached without causing 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.)

PROTECH - MANUFACTURER OF PERIMETER INTRUSION DETECTION SYSTEMS FOR SENSITIVE SITES

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