

A background image showing a modern building with a curved glass facade behind a multi-layered security fence. The fence consists of a metal grid with several strands of coiled barbed wire on top. The sky is blue with scattered white clouds.

Perimeter Security & Critical Infrastructure Protection



Product Overview

This module offers automated, 24/7 boundary protection for facilities. It monitors physical fences, perimeters, and access points in any weather condition, sounding high-priority alarms the moment a breach attempt is identified to minimize reliance on manual security patrols.

Key Performance Metrics

Operational Duty Profile

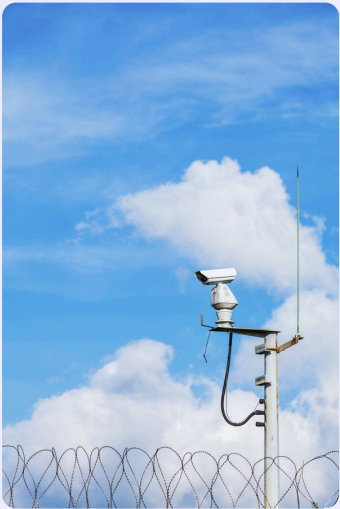
Continuous 24/7 monitoring resilient against harsh weather

Breach Processing Latency

Alarms dispatched to operators in under 5 seconds from detection

Coverage Array

Full 360-degree perimeter protection with zero dark spots



Core Functional Features

Intrusion Detection Mechanisms	
Fence Breach Sensing	Automatically flags climbing, vaulting, or fence-cutting attempts before an intruder makes it over.
Low-Profile Movement Tracking	Detects individuals crawling or crouching low along a perimeter barrier.
Tailgating Identification	Flags unauthorized individuals slipping through security gates right behind authorized personnel.

All-Weather Resiliency & False Alarm Filtering

Thermal Sensor Fusion	Merges thermal imaging with standard video to maintain perfect detection in thick fog, heavy rain, dust, or total darkness.
Smart Environmental Filtering	Filters out fence movements caused by strong winds, heavy rain, shifting shadows, or passing animals.

Automated Camera Responses

Motorized PTZ Activation	Instructs the nearest motorized pan-tilt-zoom camera to spin, lock onto, and follow the intruder automatically.
Active Site Deterrents	Automatically turns on high-intensity spotlights or broadcasts warning announcements at the breach point.

Aerial Drone Countermeasures

Aerial Drone Countermeasures	Detects small commercial or recreational drones flying near secure borders and projects their flight vectors.
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