

SAFEZONE

RELIABLE OUTDOOR INTRUSION DETECTION



PC-BASED VIDEO ANALYTICS EXCEPTIONAL ACCURACY AFFORDABLE AND SIMPLE TO DEPLOY

Flexible and cost-effective security

SafeZone is a flexible, scalable video analytics solution for perimeter protection, designed for small to large-scale installations.

How is SafeZone used?

SafeZone can be applied to IP cameras or video encoders to detect four different scenarios:

- **Intrusion:** When one or more individuals or vehicles enter a predetermined zone. *Example: detecting a person entering an unauthorised area.*
- **Loitering:** When a person or vehicle is moving in a predetermined zone for longer than a predefined number of seconds. *Example: detecting a person loitering in a car park at night.*
- **Zone crossing:** When a person or vehicle passes through two predetermined zones in a given order and direction. *Example: detecting a person entering a site over the perimeter fence.*
- **Conditional zone crossing:** When a person or vehicle enters a predetermined zone without coming from one or more predetermined zones. *Example: detecting a person exiting a building.*

The SafeZone intrusion-detection system features:

- PC-based deployment of human and vehicle intrusion-detection analytics for supported IP optical and thermal imaging cameras
- Automatic mitigation of environmental effects; weather, foliage movement, shadows, animal presence, headlights, camera movement to filter out nuisance alarms
- Simple and quick to install with unique auto-calibration of cameras to reduce installation effort
- Uses the same analytics engine as SafeZone-edge, our i-LIDS® certified primary detection system for monitoring sterile zones (GOV.UK)
- Free system-management application enables connection and configuration of all cameras from a single interface
- Free system-design application: Drag and drop "cameras" on a map and immediately see detection ranges and blind spots, then export in a pdf report
- Full integration (alarms and metadata) with major VMS, such as Milestone and Genetec

How is SafeZone installed?

- An intuitive configuration interface allows SafeZone to be installed on multiple cameras simultaneously through a simple licence-activation and set-up process:
- Person walks in the camera field of view while the SafeZone 'set-up interface' records this process to automatically calibrate the cameras
- Event alarms defined using an intuitive graphical interface. No vision parameters or detection models are required
- Alarms and metadata connect to the Video Management System with a few clicks thanks to easy-to-use Digital Barriers bridge software or standard protocols (TCP, HTTP)

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Perimeter protection of high-security facilities



Protection of sensitive areas



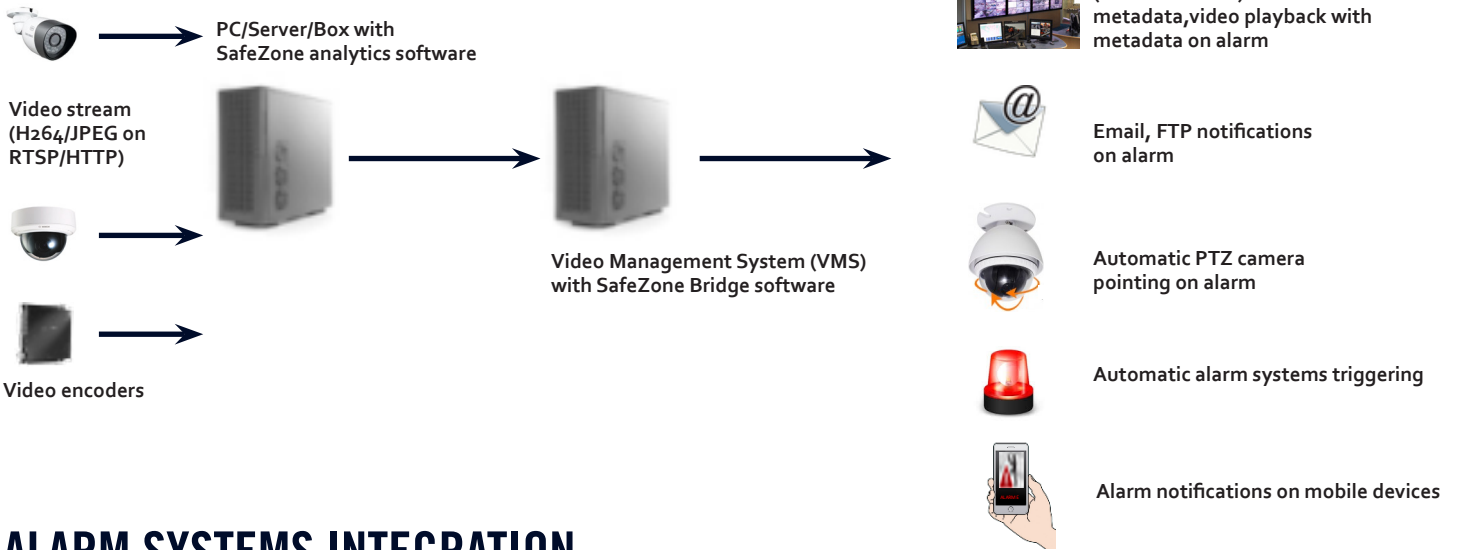
Peripheral protection of buildings

SMART VIS™ SafeZone

**SAFER.
STRONGER.
MORE SECURE.**

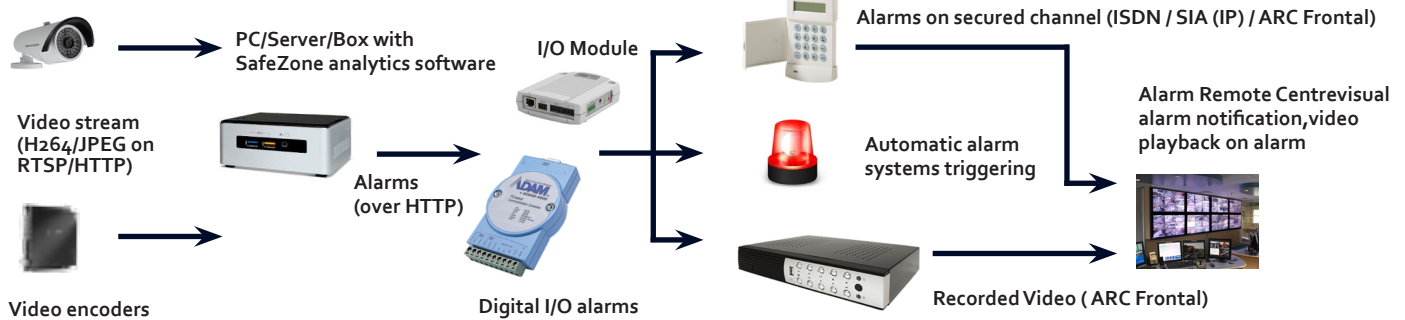
VIDEO MANAGEMENT SYSTEM (VMS) INTEGRATION

IP Cameras (optical or thermal)



ALARM SYSTEMS INTEGRATION

IP Cameras (optical or thermal)



APPLICATION	
Supported cameras or video encoder	Any IP cameras or video encoders providing a dedicated standard RTSP H264/MPEG4 or HTTP MJPEG continuous video stream in 1CIF at 8FPS to SafeZone analysis
SafeZone analysis	PC video analysis application Requires Windows 7, 8.1, 10, or server 2012 R2 QCIF analysis, 4/3 image: 150 CPU Mark, 50 MB RAM QCIF analysis, 16/9 image: 200 CPU Mark, 50 MB RAM 1CIF analysis, 4/3 image: 430 CPU Mark, 100 MB RAM 1CIF analysis, 16/9 image: 500 CPU Mark, 100 MB RAM CPU Mark processor references can be found on http://www.cpubenchmark.net/cpu_list.php
SafeZone configuration interface	PC configuration application included Requires Windows 7, 8.1 or 10, Intel Core 2 Duo or better, at least 2GB RAM and at least 1024x768 screen resolution
SafeZone camera placement tool	PC system design tool included

SYSTEM INTEGRATION	
Video Management System integration	Integration bridges available for alarms and overlays in Genetec Security Center and Milestone Xprotect included Additional VMS licenses may be required Includes support for alarm over TCP and metadata streams over HTTP for integration with other VMS Compatible with I/O modules AXIS P8221, A9188, A9161 and ADAM WISE-4060/LAN

SCENARIOS	
Detection scenarios	Intrusion Loitering Zone crossing Conditional zone crossing Multiple concurrent scenarios supported
Advanced settings	Person/vehicle differentiation in alarms Detection sensitivity Crouch/crawl/log roll detection QCIF/1CIF image resolution selection to optimize CPU or detection distance
Limitations	Suitable for sterile zones or areas with very low level of activities Extreme weather conditions or insufficient lighting may disturb detection performance Correct mounting of camera, calibration and configuration required – please consult SafeZone 'Requirements' document and user guides for instructions

GENERAL	
Support site	http://safezone-support.digitalbarriers.com All SafeZone resources available in Download section
Trial	30-day trial licences on demand

Contact Digital Barriers or your local reseller for further details on our solutions

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