Digital Barriers

EXCEPTIONAL ACCURACY.
FEWER FALSE ALARMS.
AUTOMATED INSTALLATION.

Reliable and cost-effective security... let nothing stand in your way

Award-winning intrusion analytics, now available for the majority of IP camera brands

Security providers often face a stark choice when it comes to deciding which video content analysis system to use – variable detection rates and false alarms or complex camera calibration and costly licences.

There is no need, though, to put up with either.

SmartVis SafeZone, Digital Barriers' award-winning video analytics, has been developed to overcome the limitations of both traditional server-based and conventional edge-based intrusion-detection systems. It combines exceptional detection accuracy and false-alarm mitigation with automated installation and affordability.
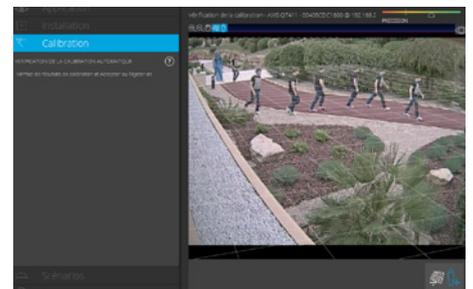
At a time when security installers, alarm-receiving centres and central video-monitoring hubs continue to look to intrusion video analytics for site protection, SmartVis SafeZone is both reliable and affordable.

Following on from the success of our SafeZone-edge analytics, SmartVis SafeZone has been designed to run on Windows appliance machines, bringing our market-leading analytics to an extensive range of IP camera brands. Its heritage as a highly efficient edge analytic also allows many streams to be processed on a single server.

SafeZone technology is one of a few video analytics solutions to have been certified by the UK Government as an i-LIDS®-approved primary detection system, both for operational alert use and as an event-based recording system in sterile zone monitoring applications, and the same algorithm is used within SafeZone Server.

SmartVis SafeZone ignores environmental effects like adverse weather, camera shake, moving foliage and shadows that account for false alarms and can highlight a range of security scenarios in real time, such as intrusions and loitering, while discriminating between people and vehicles.

The resulting intelligence can be used to prioritise operator time and attention.

SafeZone uses a unique auto-calibration technique

SMART VIS™ *SafeZone*

SURVEILLANCE | SECURITY | SAFETY

WE LET NOTHING GET IN YOUR WAY.

RELIABLE
COST-EFFECTIVE
SECURITY.

The SafeZone intrusion-detection system features:

- Video analysis compatible with almost any IP (network-attached) camera, including thermal imaging cameras

- Simple and quick installation with a unique auto-calibration function that allows single or multiple cameras to be set up quickly with minimal effort from the installer

- Our award-winning SafeZone-edge analytics, ported to a Windows appliance

- Check for a range of suspicious activity with alarm settings for intrusion, loitering and unauthorised zone-crossing

- Based on an i-LIDS®-approved primary detection system, both for operational alert use and as an event-based recording system in sterile zone monitoring applications (GOV.UK)

- Automatic mitigation of environmental effects, weather, moving foliage and variable illumination to filter out nuisance alarms

- Alarms sent via TCP notification to VMS, control centres and mobile devices

- Full video management system integration to incorporate alerts into control rooms - with additional on-screen metadata to give operators the right context

You can now combine SafeZone with the Digital Barriers' EdgeVis IP Series encoders, allowing transmission of alarms and real-time video, using our unique TVI transmission technology. This brings the added benefits of:

- Transmit video and alarms instantly over low bandwidth wireless connections such as GPRS/2G/3G and satellite

- Ultra-efficient transmission from fixed, mobile and body-worn cameras, even over congested networks and GPRS/2G/3G and satellite connections at bandwidths as low as 9kbps

- Control of data costs, using up to 60% less bandwidth, compared to other standards-based systems

- End-to-end encryption for a fully secure system

An installation revelation

Simpler set-up. Reduced manpower. Lower cost.

SafeZone features an innovative set-up tool that allows an installer to opt for 'quick start' auto-calibration and a default intrusion-detection scenario. This includes installation modes to suit different sites and situations, with all providing automation of the time-consuming and complicated calibration procedure. This even includes unique multi-camera auto-calibration modes. Of course, installers can also opt for more advanced manual tuning of camera set-up and the definition of additional security scenarios.

Serving you better

SafeZone is deployed on Windows appliances, making it compatible with a broad range of camera manufacturers. Its heritage as a highly efficient edge analytic allows streams from multiple cameras to be processed on a single server.

It uses the same technology that powers SafeZone-edge, an i-LIDS® approved primary detection system, both for operational alert use and as an event-based recording system in sterile zone monitoring applications (GOV.UK)

Detection with remote cameras

SmartVis SafeZone can be combined with our unique wireless transmission technology to add intrusion detection to remote cameras. This enables video to be streamed and monitored from anywhere, even over congested networks and bandwidths as low as 9kbps.

Cellular data costs are also controllable with our innovative technology, which uses around 60 per cent less bandwidth than standard video systems. Secure and fully encrypted video could then be streamed simultaneously in real time to a control room as well as monitoring teams, via mobile devices.

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www.digitalbarriers.com