VISUALLY INTELLIGENT SOLUTIONS for security providers www.digitalbarriers.com

RELIABLE AND
COST-EFFECTIVE
SECURITY.

CPNI®
Centre for the Protection
of National Infrastructure

Digital Barriers

i-LIDS®
Imagery Library for Intelligent
Detection Systems
Sterile Zone Monitoring
2014
Digital Barriers
Axis Q7411
SafeZone Edge - Version 1.0

**Intrusion detection...
let nothing stand in your way.**

Security providers often face a stark choice when it comes to deciding which video content analysis system to use.

There is no need, though, to put up with variable detection rates and false alarms - or settle for complex camera calibration, costly licences and server infrastructure.

SmartVis SafeZone-edge, Digital Barriers' award-winning video analytics, has been developed to overcome the limitations of both 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 analytics for securing vulnerable perimeters and enhancing safeguarding operations, SafeZone-edge is both reliable and affordable.

It can be deployed directly onto compatible cameras or encoders for simple remote

set-up, avoiding the need for time-consuming software installation and costly, complex server infrastructure.

Our technology is one of the few edge-based 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.

This makes it suitable for high-security and Critical National Infrastructure facilities, but it is also the benchmark performance for all other types of site.

It ignores environmental effects like poor weather, camera shake, moving foliage and shadows that account for costly time-consuming false alarms.

SMARTVIS™ *SafeZone*

SAFER.
STRONGER.
MORE SECURE.

SURVEILLANCE | SECURITY | SAFETY

SMART VIS™ SafeZone

SmartVis SafeZone-edge can highlight a range of security scenarios in real time, such as intrusions and loitering, and will discriminate between people and vehicles.

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

The SafeZone-edge intrusion detection system features:

- Video analysis run on Axis cameras and encoders, carried out on edge processors, avoiding the need for costly and complex servers
- Technology that makes use of the processor in the camera to deliver analytics in a cost-effective way
- 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
- Potential to check for a range of suspicious activity with alarm settings for intrusion, loitering or unauthorised zone-crossing
- 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 or email notification, HTTP/FTP upload, or the electrical output port on a camera 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

SafeZone-edge is a world-leading edge-based intrusion detection system

It combines performance, simplicity and affordability – with a highly accurate analytics engine, nuisance alarm mitigation and auto-calibration of cameras.

Staying focused on the real threats

Automated intrusion detection demands accurate and reliable identification of incursions for an operator to trust the validity of an alarm. SafeZone-edge is built on an advanced AI engine that reliably alerts whilst automatically mitigating effects such as weather and variable lighting. While other edge video analytics may make similar claims, SafeZone-edge is accredited by the UK Government i-LIDS® scheme as a primary detection system for sterile zone monitoring – the key benchmark for performance.

At the edge . . . for a reason

Unlike server-based video analytics solutions, SafeZone-edge is designed for deployment directly onto cameras. This eliminates the need for complex and costly server infrastructure and at the same time removes the server as the single point of failure for multiple analytics channels. For many security installers, IP video systems are complex enough already – so this combination of performance, resilience and simplicity offers a real alternative.

An installation revelation

Simpler set-up. Reduced manpower. Lower cost.

SafeZone-edge 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 tuning of camera set-up and the definition of additional security scenarios.

AKBA
TEKNOLOJİ VE SAVUNMA SANAYİ