

# Intelligent Visual Surveillance System

An intelligent, turn-key, enterprise-wide, Intelligent Visual Surveillance System for any sized security installation



The SmartVeillance Visual Intelligence engine combines sophisticated image analysis techniques, highly scalable video networking and workflow management tools to optimise your security surveillance operation.

The Intelligent Visual Surveillance System is able to detect and segment video images, identify and track objects movement while recording all the data streams of video images captured by the surveillance cameras and other security sensors in real-time.

The Intelligent Visual Surveillance System and the data streams from each individual CCTV camera can be configured to perform the following functions:

## Motion Detection

- Analysis of video to detect movement within a scene
- Using foreground and background image separation
- Capturing what is normal and avoid false alarm

## Detect Stationary Object

- Monitor and trigger alarm if any object is at the same place for more than the predefined period of time



Screen showing detection of moving object.



Screen showing detection of stationary object.

## Main Features and Benefits

- Easily scalable to monitor from a single camera to hundreds of cameras
- Real-time detection of abnormal behaviour based on pre-set functional configuration for each camera with alarm trigger and notification to mobile phone
- Advanced image analysis during live video capture
- Leverage on current infrastructure. Intelligent Visual Surveillance System software works with existing CCTV camera and network infrastructure
- Reduction in manpower such as 1 for every 16 cameras now can be reduced to 1 for every 64 cameras

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## Detect High Speed Object

Monitor and trigger alarm if any object exceeds the predefined speed



Screen showing detection of car speeding

## Direction Flow Control

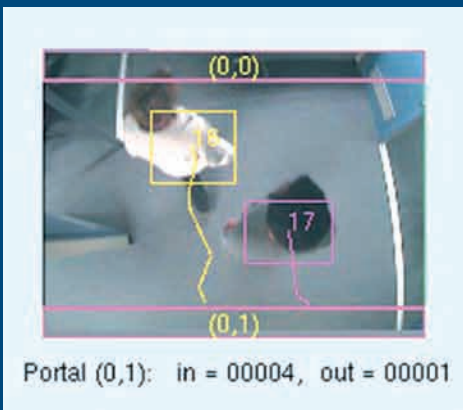
Signal an alarm if any object is moving in a different direction to expected flow



Screen showing detection of illegal entry

## Counting

- Discreetly counts objects
- Collect and produce accurate and timely statistics information in a number of scenarios
- The counting data provides statistical information



Screen showing counting of customer traffic



Screen showing counting report



## Face Detection

Automatically detect face patterns from a video scene and able to save that portion in higher resolution into the database. This allows for easy and fast reviewing of faces without the distraction of other surrounding elements.

Top : Screen showing face captured review

Bottom : Screen showing real-time face detection