

# Intelligent Security Solutions

- **ADVANCED INTRUSION DETECTION**
- **PERIMETER DEFENCE**
- **UNATTENDED BAGGAGE DETECTION**
- **THEFT DETECTION**



**D**igital Intelligent Security (DIS) is a proactive behaviour recognition system that transforms passive Closed Circuit Television (CCTV) infrastructures into automatic threat detection and management systems.

DIS quantumly improves the effectiveness of conventional video surveillance. DIS uses sophisticated intelligent logarithms to detect potential threat scenarios such as suspicious unattended objects, intrusion of coastline and unauthorized entry into restricted zone. Any user-defined events happening within these places will result in automatic alerts. The various forms of alerts include silent and active alarm, Short Message Services (SMS) and Multimedia Message Services (MMS) via mobile phone and Email alert.

The deployment of high performance DIS system provides a user-friendly graphic interface, which users can easily configure and customise their Video Content Analysis (VCA) requirements based on operational needs. The primary design focus of the DIS is its ability to integrate with existing CCTV infrastructure and be readily deployable.

With this system, increased levels of security and greater sense of safety for your customers, employees or visitors are achieved. It is an industrial strength VCA technology that can withstand the test of true operational environments.



## Product Highlights

- 2 to 8 Camera Inputs at up to 25fps
- Real-Time Advanced VCA Engine
- Integrate Seamlessly with existing Standard Video Recorder
- Network enabled via Remote Web Interface
- GPIO, SMS, MMS and Email Alerts

# FEATURES

## VIDEO CONTENT ANALYSIS

### Advanced Intrusion Detection

Detects unauthorized entry to a secured area. The objects of interest can be filtered by size and the direction of motion. Multiple secured areas can be defined by limit the area of interests. This aids in filtering unwanted alerts in areas, which are of unwanted alerts in areas, which are of non-interest to the operation of concern.



### Perimeter Defence

Perimeter defence allows the user to define a virtual line in the scene. This virtual line will trigger off alerts when an object crosses / touches it. The virtual line can be set with multiple rules to filter objects crossing the line in certain directions and of predefined size. The perimeter defence also sports a pre-alert zone, which can detect objects loitering near the perimeter.

### Missing/Unattended Detection

The user can define multiple regions of interest and detect any object (filtered by size) that had been left unattended or removed from the area. The time to trigger 'alert' can be set to filter out only objects that had been detected for longer than the time defined.



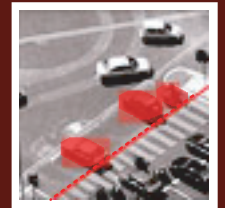
## ADVANTAGES

### Changing Lighting Conditions

DIS comes with a special component, which analyses the illumination of the objects and automatically compensates for the changes in lighting conditions. For example, DIS will not raise false alarms when lighting conditions changed during sunset or sunrise.

### Adapts to Various Type of Cameras

Built into DIS is a unique technology that learns and detects the quality of the camera. With this capability, it is able to calibrate the DIS engine to that particular camera for maximum performance. This unique capability brings about consistent performance and ease of deployment especially in large installations with over hundred of cameras.



### Advanced Filters

Following are the various advanced filters built into DIS that truly differentiate itself from the competitors:

- Rain, Snow and Fog Filter
- Waves and Ship Wakes Filter
- Shadows and Reflective Surface Filter

These filters allow the real-time video content analysis to operate 24 hours non-stop with little or no degrade in performance.

# TECHNICAL FEATURES

## Video Input/Output

2-8 video inputs  
BNC composite video input, 75 ohms  
VGA, DVI, S-Video and TV-out

## Video Content Analysis

Up to 8 cameras  
Less than 5 VCA parameters per camera  
Definable region of interest

## Storage and Recording

160GB internal hard drive storage (upgradable)  
Manual, Scheduled and Event Trigger recording

## Alert Interface

4 GPIO (dry contact) Interface  
Customizable SMS, MMS and Email alert  
Onscreen visual and sound alert

## User Interface

Local and remote web interface  
Multi-screen viewing (2x2)  
Viewing resolution: 1024x768

## Chassis

2U rack mount  
Slim form factor

