MIMOS Intelligent Surveillance Platform (Mi-SP)

Traditional video surveillance systems rely on manual detection of abnormalities and become important only after a crime has taken place. The video analytics technology in MIMOS Mi-SP employ proprietary algorithms to detect and alert suspicious activities within the live feed of security cameras, without the need of a patrolling security officer and even before a crime can take place.

Overview

MIMOS Mi-SP is a versatile video surveillance system that includes intelligent elements of advanced video analytics. With Mi-SP, suspicious events can be detected by video analytics and an alert will be generated to alert the security personnel, thereby increasing the situational awareness of an entire organisation. Mi-SP is efficient and flexible and it can be integrated with existing video surveillance systems.

Event Detection Video Analytics Features

Mi-SP comprises the following event detection video analytics features:

- **Climbing Detection**
  Detects climbing activity in a monitoring area.
- **Loitering Detection**
  Detects object presence in a monitoring area for a fixed long duration.
- **Aggressive Detection**
  Detects fast movement or aggressive activity in a monitoring area.
- **Tampering Detection**
  Detects any attempt to move a camera's view.
- **Restricted Region Detection**
  Detects object presence at a location with limited access.
- **In/Out Detection**
  Able to detect the in and out of object movement with direction in a monitoring area.
- **Entering/Leaving Detection**
  Detects the entering and leaving of object movement in a monitoring area.
- **Crowd Density Detection**
  Detects the presence of high occupancy of people.
- **Object Left Detection**
  Detects objects left by people.
- **Object Removed Detection**
  Detects the removal of objects from a scene.
- **Counting**
  Counts the number of people in two directions.

Technology Summary

Mi-SP

A versatile video surveillance system with advanced video analytics that automatically detects and alerts occurrences of suspicious activity.
Industries: Public Safety, Enterprise, Government

Event Detection Video Analytics Features

- Climbing Detection
- Loitering Detection
- Aggressive Detection
- Tampering Detection
- Restricted Region Detection
- In/Out Detection
- Entering/Leaving Detection
- Crowd Density Detection
- Object Left Detection
- Object Removed Detection
- Counting

Technology Benefits

- Patented algorithm/technology
- Flexible architecture
- Real-time monitoring and offline event detection
- Increased operational efficiency
- Uncompromised quality with reduced cost

Technology Benefits

The main impacts of Mi-SP are:

- **Patented Algorithm/Technology**
  MIMOS' in-house algorithms to provide high accuracy and low false alarm rate. This algorithm library covers most mainstream video analytics in the market.
- **Flexible Architecture**
  The video analytics detection rules and notifications are customisable. In addition, the video analytics can be used as a standalone system or integrated with a third party surveillance system.
- **Real-Time Monitoring and Offline Event Detection**
  Mi-SP can be applied for both automated real-time video monitoring and offline forensic event detection.
- **Increased Operational Efficiency**
  Video monitoring and analysis potentially increases daily work efficiency by providing situational awareness to users through various event fusion and analysis.
- **Uncompromised Quality with Reduced Cost**
  Security personnel can be used efficiently to run the grounds without the need for stationary personnel to watch surveillance monitors.

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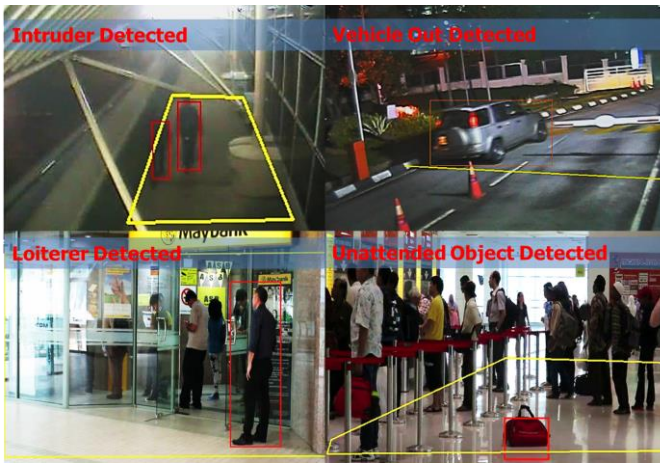

MIMOS Mi-SP event detection video analytics

System Requirements

Mi-SP	
Hardware Requirements	
Processor	Intel® Core i7-6700 CPU@ 3.40 GHz (4 cores)
Memory	Minimum 8GB
Disk Storage	Minimum 500GB of hard disk space
Network Bandwidth	2Mbps per camera
Software Requirements	
Operating System	Windows® 10 or Windows® Server 2012
Dot Net Framework	Microsoft® .NET 4.5 and above
Database	Microsoft® SQL Server Express 2012