

AllGoVision Advanced Video Analytics for Airports and Crowded Public Places



Safety and Security is of utmost importance in crowded public places and especially in Airports. Apart from the purpose of general security there can be more critical use cases involving prevention of illegal activities such as smuggling and human trafficking. Applications like perimeter protection, intrusion alert, suspicious incidence detection, movement-rule violations come into play and provide better efficiency, effectiveness and timely alerts for the security monitoring personnel engaged in these locations.

Boundary Monitoring

The outermost layer of security for the airport infrastructure is the boundary walls, where AllGoVision video analytics can enhance the security by automating the boundary monitoring. Video Analytics is used for perimeter protection and intrusion detection there. The features such as tripwire, trespass, camera tampering, Auto PTZ features etc. are used.

Compound Monitoring - Outdoor

Video Analytics plays equally effective role in monitoring the compound with outdoor cameras. Tailgating detection checks the unauthorized entry/exit of vehicles through access controlled gates. Suspicious incidences (object – left object, person - loitering) near critical assets and special security zones are detected and alerted for. Video Stitching feature provides a wider perspective of large compounds and enhances the monitoring activity by stitching the views from up to 8 cameras. In the compound pathways, vehicle movement rules are enforced by alarms for illegal parking, wrong way, over-speeding.

IGI Airport, New Delhi & Delhi Aerocity - Delhi, India



Outdoor Applications

- Perimeter Protection
- Traffic Wrong Way Detection

Indoor / Outdoor Applications

- General Security Features
- Suspicious Incidence Detection

T2, Noi Bai International Airport Hanoi, Vietnam



Suspicious Incidence

- Left Object Detection
- Loitering Detection
- Crowding Detection

People Face Detection

- Face Detection & Capture

Indoor Areas: Service Counters, Airport Lounges

For access points, counting and reporting can be done for footfall statistics. At the service counters, queue management can be used for waiting time analysis, or even for customer verification through face recognition. Black listed person identification can alert for terrorists' presence. Left baggage alert for security threat or for unmindful travellers leaving their luggage behind.



APM Trains in Hong Kong International Airport, Hong Kong

- **SI:** PCCW & Securex
- **Solution:** AllGoVision + Milestone + Axis cameras
- **Total cameras:** 120 Nos.
- **Features:** Loitering Detection, Left Object Detection
- **Application:** Prevention of Illegal immigration, Human trafficking, Smuggling
- **Performance:** Above features detection with >99% detection and < 1% false positives



Left Object Detection



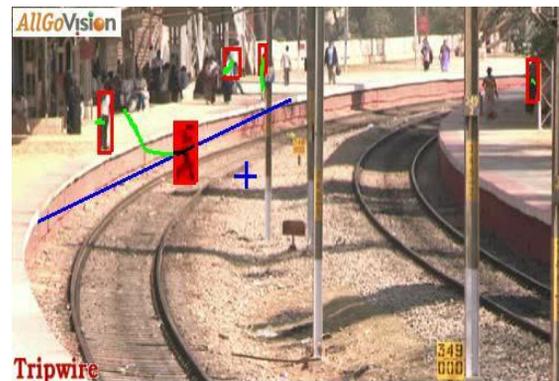
Loitering Detection

Crowded Public Places

Apart from airports, other crowded places with security threat can be monitored with AllGoVision. Features such as left object detection for bomb threat, crowding alerts are in action. Tripwire feature is useful for detecting line crossing which causes serious safety threats such as crossing of railway tracks at station areas / unmanned level crossings.

Indian Railways, Mysore Palace, Mysore, India

Features Crowding, Left Object Detection, Tripwire



About AllGoVision

AllGoVision group started in 2009 and became an independent company AllGoVision Technologies Private Limited in 2016. Headquartered in Bangalore with branches in the US and Dubai, AllGoVision is a leading video analytics software and has a global spread of sales partners, with proven installations worldwide. We have dedicated ourselves into in-depth research and product innovation. AllGoVision video analytics software is equipped with 40 plus basic and advanced Video Analytics features. It is an Open Platform Analytics integrated with many VMS manufacturers. AllGoVision focuses on providing following benefits to its customers – robust performance, cost efficiency, ease of use and customization.