Advanced Crowd Management

CROWDED PLACES

Crowding Alerts
Crowd Counting
Crowd Movement

Manage Crowd with Automated Monitoring

Be it civic bodies / police departments or even the organizers for events & fests, all such authorities responsible for managing and controlling crowd in public places face an uphill task. While in most cases the crowd expands to a very large physical area which is very difficult to monitor with personnel on ground, the controlling part is even more challenging with multiple entry and exit points adding to the random movement of crowd. Since a single error in crowd management can lead to stampedes and huge loss of public life, the key requirement is to act instantly for any potential criticality. With an intelligent surveillance system with IP Cameras giving you the birds eye view and the Video Analytics providing you the most important situational alerts in real time, the task of managing the chaos becomes a lot more easier.

AllGoVision Solution

AllGoVision constantly innovates to provide more specific solutions to your specific problems. Now it comes with a robust algorithm for detecting / counting crowd and analysing the flow/movement patterns.

- Provides approximate **crowd count** in a specific area at any instant.
- Provides **overcrowding alert** against crowd count crossing a defined threshold value.
- Doesn't generate false alarms i.e. **doesn't miss detection** of any crowding scenario.
- **Robust and reliable** solution that works in any kind of crowd including busy scenario
- Effective in even **continuous dense crowd** where most other available solutions fail.
- Analyses **crowd flow** - indicates with different colors for crowd sections moving in different directions.
- Detects crowd movement in undesired direction and provides **crowd counter flow** alert.

Crowd Counting
live crowd count data in a specified zone

Crowding Alert
crowd count beyond a defined threshold

Crowd Flow Detection
visual interpretation of flow & counter flow alerts

Multiple Application Areas

AllGoVision's real time crowd intelligence both in terms of crowd level (count in numbers as well as percentage share of area coverage by crowd out of a given area) and crowd flow can be harnessed in crowd managing across many applications, including but not limited to the following:

- City Surveillance & Policing
- Festivals & Religious Places
- Sports, Events & Entertainment
- Malls, Markets, Shopping Centers
- Airports & Transportation Sector
- Other Service Centers & Industries

Crowd count helps **Marketing Initiatives** by providing real-time crowd gathering or footfall statistics in the event zone.

Operations Management is aided by the capacity usage of facility (level of occupation - crowd coverage area as percentage share)

City & Traffic | Events/Festivals | Airports
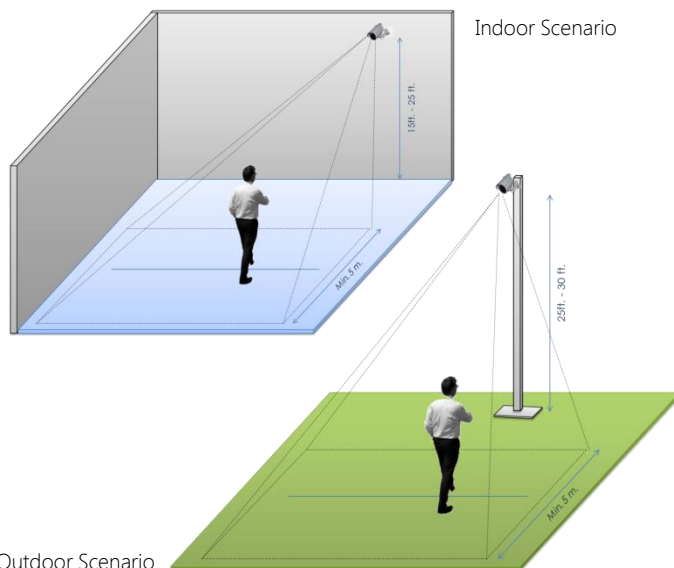Shopping Malls | Games & Sports | Entertainment

Solution which you can simply Plug & Play!

AllGoVision crowd management solution works fine with any good quality generic IP camera. Being an open platform solution, AllGoVision is easily and tightly integrated with many VMS. What you need to do is just plug it into existing video surveillance system without any extra camera investment.

Manage how Crowd Analytics works for you

- User defines the region of interest with polygon
- User sets the threshold value for crowding alerts
- User can specify the counter flow direction
- Compare crowd reports for time series analysis

Indoor Scenario

Outdoor Scenario

About AllGoVision

AllGoVision is a unit of AllGo Embedded Systems, founded in 2005 and headquartered in Bangalore with branches in the US and Dubai. AllGoVision is a leading video analytic software and has a global spread of sales partners, with proven installations worldwide. We have dedicated ourselves into in-depth research and product innovation and house more than 150 top-notch engineers. AllGoVision video analytics software is equipped with 30 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.