



Datasheet

People Counting



Version 3.7

This Specification Sheet gives the details of system requirements, feature details and other salient points of AllGoVision's People Counting & Reporting Application.

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AllGo Embedded Systems Pvt. Ltd.

Email: agv_contact@allgosystems.com
Website: www.allgovision.com

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INTRODUCTION

This Data sheet gives the details of system requirements, features of AllGoVision People Counting & Reporting application.

The product analyses rapidly the video for specific data, counts the number of people moving IN or OUT at a specific point in camera field of view. The software also provides extensive Reporting & Analysis options.

SYSTEM REQUIREMENT

AllGoVision analytics has the following system hardware and software requirements.

CATEGORY	REQUIREMENT
Operating System	Windows Server 2003, 2008, 2012 Window XP, Vista, 7, 8, 10
Network	Ethernet, 100 Mbit or higher recommended
Hardware Requirements	x86 Platform
Server requirement (for QVGA resolution)	Core i7 (6 Cores), 3 GHz, 8 GB RAM for up to 12 channels Xeon 6 core, 3 GHz, 8 GB RAM for up to 12 channels Xeon 12 core, 3 GHz, 16 GB RAM for up to 24 channels (approx. 2 channels/core, suitable to add multiple CPUs in 1 server) Note: For higher resolution consult AllGoVision
Frame Rate	Frame Rate > 15 fps for People Counting feature
Database	MySQL 5.5.2
Stand Alone version camera support	Camera Models from Axis, Pelco, Bosch, Hikvision, Honeywell, IQinvision, Sony, Dahua, ISD, Panasonic, Brickcom, ArecontVision, Indigovision, Cisco, Samsung, Acti, Vision, Digital Watchdog, and others (ONVIF Cameras).
Edge Support	Axis and ISD cameras. Axis: M, P and Q Series.
VMS Support	Milestone, Genetec, IndigoVision, exacqVision, Honeywell, Cisco, DW Note: With VMS all cameras supported by VMS will be supported
Reporting & Analysis Software	AllGoVision Alarm Center

Note: People Counting feature is also available with VMS support

INSTALLATION & ARCHITECTURE

The software is easy to install and simple to use with intuitive GUI. The AllGoVision people counting supports counting of people traversing a certain passage.

Camera Installations

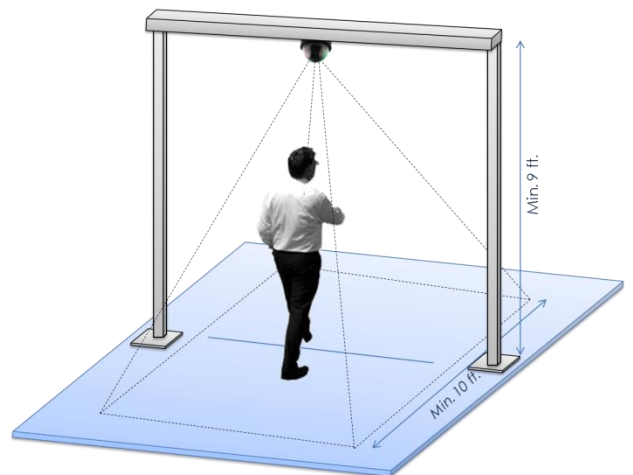
It supports 2 types of camera installations:

- **Angular:** For applications like city surveillance to cover wider area.
- **Overhead:** For the installation like in entry/exit points. Minimum height should be 9 feet. The width coverage is typically 0.8 times the height*

*The exact width depends on the camera model and setup. The above ratio is just a general approximation.

The application is integrated with advanced Auto Report E-mailer. The application facilitates in generating and exporting the Text, Graphical Reports.

- **Environment:** Indoor or Outdoor
- **Accuracy:** 90-98%

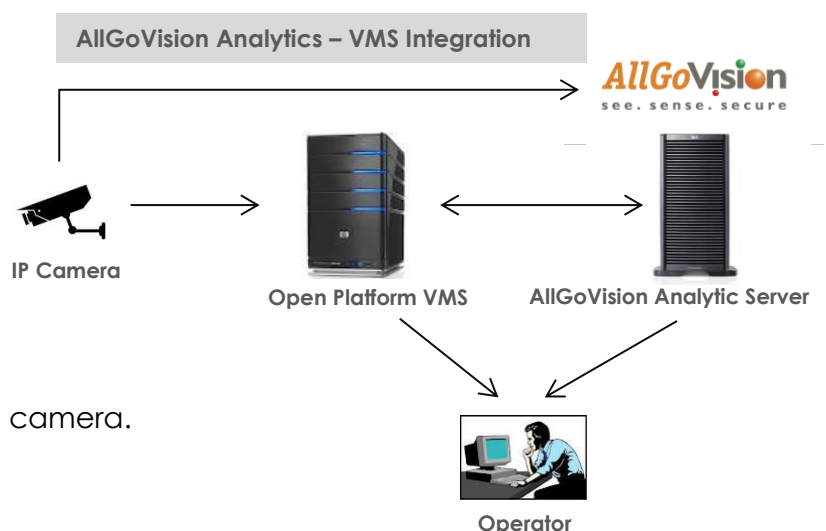


Integration

AllGoVision People Counting application is available in 2 flavours:

With VMS:

- AllGoVision application is based on Open Platform Standards.
- It is integrated with VMS like Milestone, Genetec.



Without VMS:

- It is a standalone application.
- It works independent of VMS.
- Directly takes the video feed from camera.

Reporting & Analysis software:

- AllGoVision provides Alarm Management software Alarm Center
- It has options for plotting, exporting, Scheduling, Heat Map and Motion Map.

FEATURES & OPTIONS

The application supports below mentioned options:

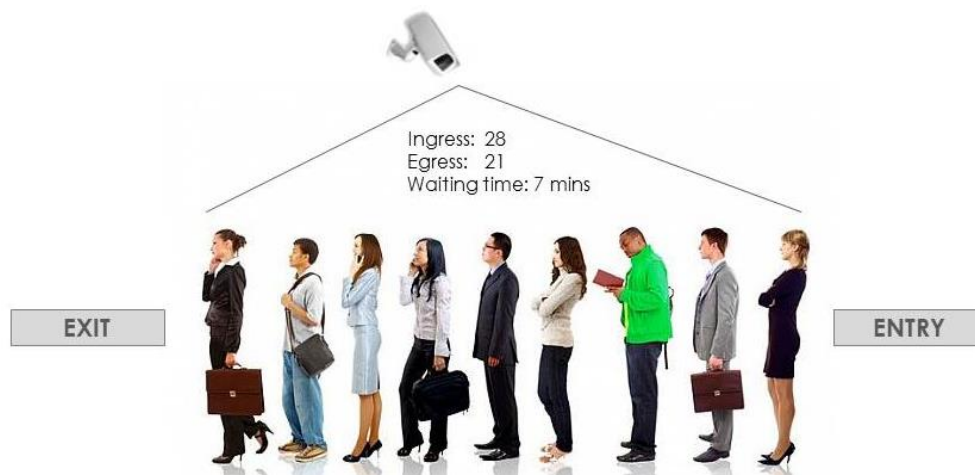
- Application can run as service
- People counting report generation
- Auto Emailer for reports
- Administrator Login
- Zonal counting (add many cameras to zone)
- Crowd detection in people counting and estimates crowd density
- Trolley detection
- Scheduler to enable scheduling of Video Analytics
- Administrator Login
- Its own viewer, reporting and analysis of software
- Export of plot in JPEG and report in CSV format
- PDF format export supported
- Schedule of reports
- FTP upload of reports
- Comparison reports
- Heat map
- Motion map
- Flow Map
- Queue management - People count in the queue, waiting time

QUEUE MANAGEMENT

This feature provides queue properties like

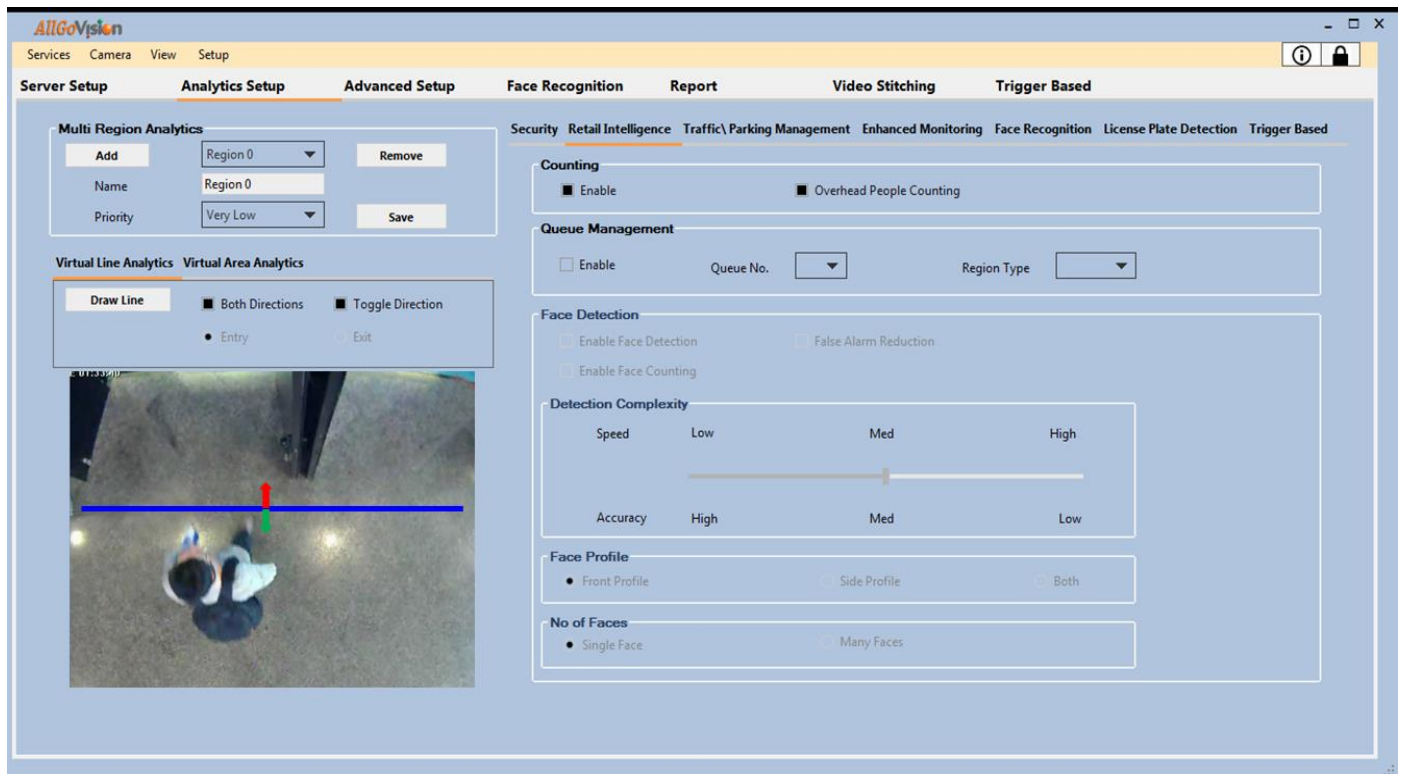
- **Ingress** – count of people coming into queue
- **Egress** – count of people coming out of queue
- **Waiting time** – Waiting time in the queue

Applications: at service counters, ticket counters, boarding points between platform and carrier.



ALLGOVISION GUI

AllGoVision product offers a graphical user interface with windows-oriented, tab based, point and pick interface. Extensive use of graphical icons, pull-down menus, buttons, check boxes, and radio-buttons are incorporated to reduce typing work to the minimum possible extent.



AllGoVision Management Client

AllGoVision product GUI consists of following seven tabs:

Server Setup Tab

The server setup tab consists of VMS or camera settings and other field details. You are able to view the video details from camera.

Analytics Setup Tab

The Analytics setup tab gives options to set the analytics fields for different features.

Advanced Setup Tab

This tab gives options to select advanced settings like camera environment, analytics processing complexity, shadow removal sensitivity, camera view, predefined object size and minimum object size.

Video Stitching Tab

This allows stitching of Videos from 2-8 cameras. The output is displayed in the same tab. The objects detected are also shown with Red rectangles.

Trigger Based

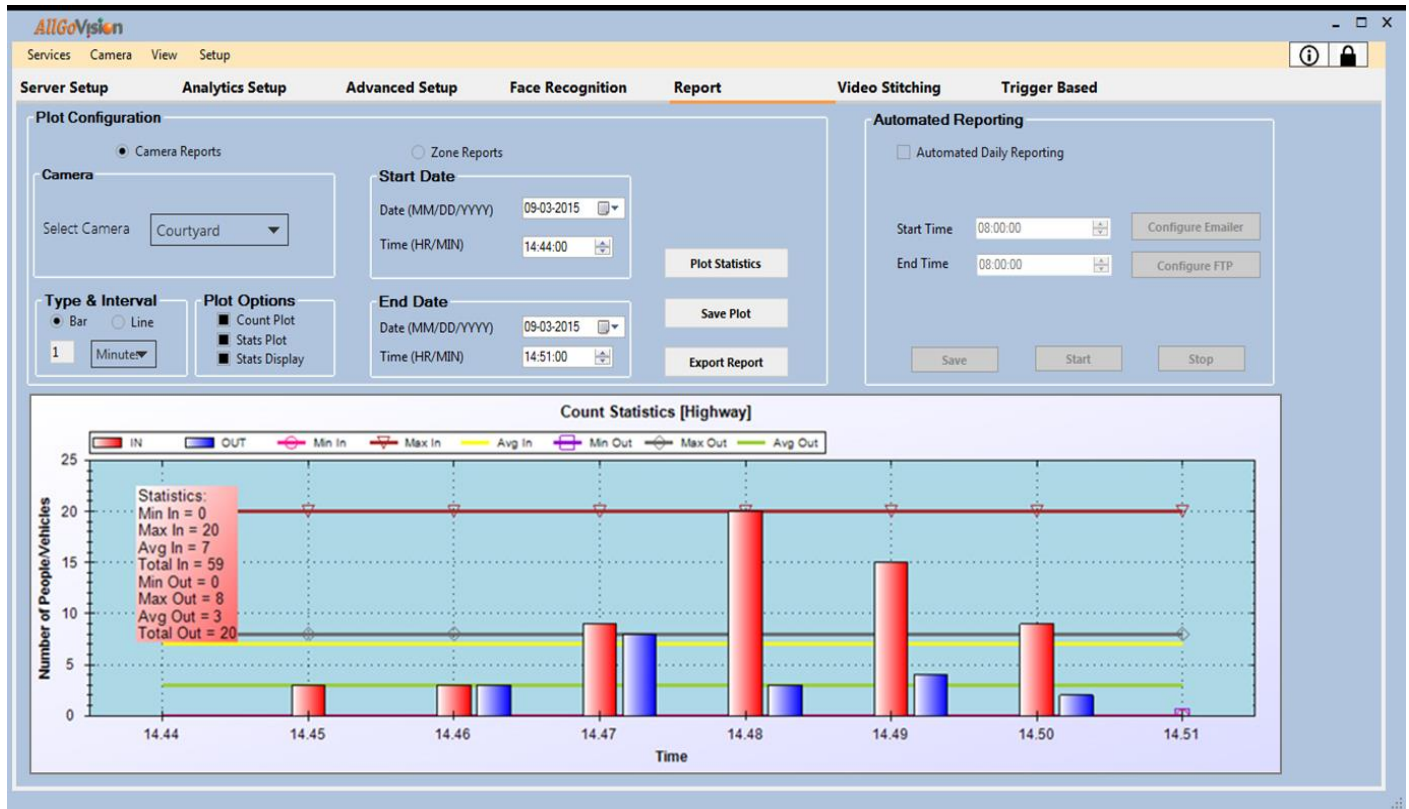
This allows running analytics from trigger like that from RFID.

Face Recognition Tab

This tab provides registration application for Face recognition.

Report Tab

This tab gives option to plot the statistics of people counting. Both line and bar charts are possible. This also has auto e-mailer and export of plots and report.



AllGoVision Video Analytics - Report Tab

The application supports

- Report of counting with different time duration, interval and plot options.
- Export of plot in JPEG and report in CSV format
- Zonal Report with multiple cameras added in each zone
- Auto Report E-mailer
- FTP upload of reports
- Comparison reports
- Heat map
- Motion map
- Flow Map

Heat Map

- Provides heat map for multiple cameras
- Plot based on selected duration
- Shows density levels with different colors
- Provides option for export of Heat Map

Motion Map / Flow Map

- Provides the paths of object or people movement
- Provides movement trend in %age for different paths in different directions
- Plot based on selected duration
- Provides option for export of Motion Map

Installation

- For effective Heat Map & Motion Map / Flow Map generation Camera needs to be installed to the roof over head covering the area.



ALLGOVISION ALARM CENTER

AllGoVision Alarm Center is a Client to view all the alarms generated by AllGoVision analytics running on different systems across a LAN.

Features

- Alarm popup
- Alarm Video Playback
- Display alarms with date and time stamp
- Search: Filters to search alarms based on it types and properties
- Heat map, Motion map, Flow Map
- Plot and Export of reports in JPEG, Excel and PDF format
- Schedule of Report, FTP Upload / Email Report, Comparison Reports
- Database is MySQL

AllGoVision Alarm Center

192.168.0.216

Search /Preview

Video Summary

- Live View
- Data Analysis
- Reports
- Parking Management
- Face Detection
- Face Recognition

Filters

Retrieve Alarm files other Networks as well

AlarmID	TimeStamp	AlarmName	ObjectType	CameraName	SourceLocati	AlarmDescrip	ObjectColor	ObjectSize	RegionName	Priority
146	9/10/2013 10	OBJECTS_COU	Pedestrian	Camera 1	Entrance	IN = 3 OUT =	Unidentified	Unidentified	Region 0	MEDIUM
145	9/10/2013 10	OBJECTS_COU	Pedestrian	Camera 1	Entrance	IN = 2 OUT =	Unidentified	Unidentified	Region 0	MEDIUM
144	9/10/2013 10	OBJECTS_COU	Pedestrian	Camera 1	Entrance	IN = 1 OUT =	Unidentified	Unidentified	Region 0	MEDIUM
143	9/4/2013 9:51	OBJECTS_COU	Pedestrian	192.168.0.186	Entrance	IN = 3 OUT =	Unidentified	Unidentified	Region 0	MEDIUM
142	9/4/2013 9:51	OBJECTS_COU	Pedestrian	192.168.0.186	Entrance	IN = 2 OUT =	Unidentified	Unidentified	Region 0	MEDIUM
141	9/4/2013 9:45	OBJECTS_COU	Pedestrian	192.168.0.186	Entrance	IN = 1 OUT =	Unidentified	Unidentified	Region 0	MEDIUM
140	9/4/2013 9:45	OBJECTS_COU	Pedestrian	192.168.0.186	Entrance	IN = 0 OUT =	Unidentified	Unidentified	Region 0	MEDIUM

Alarm Preview

Alarm PopUp

9/10/2013 10:36:42 AM OBJECTS_COUNTING Camera 1

In: 1
Out: 2

In: 3
Out: 2

AllGoVision Alarm Center

AllGoVision Alarm Center

192.168.0.216

Search /Preview

Video Summary

- Live View
- Data Analysis
 - Heat Map
 - Motion Map
 - Flow Map
 - Alarm Analysis
- Reports
- Face Detection
- License Plate Detection
- Parking Management
- Face Recognition

Alarm Analysis

From: 25 August 2015 15 To: 25 August 2015 15

Source: 1 Camera Selected

Interval: Hours

Historical Data: ON

Alarm Type: OBJECTS_COUNTING

Plot Type: Line

Last: 1 Day(s)

Update

AllGoVision Alarm Analysis

Statistics:
Total Count = 306
Total Historical Count = 179

OBJECTS_COUNTING Alarm Count

Time: 25-08-2015 00:00:00 to 26-08-2015 00:00:00

Time	Boundary (Current)	Boundary[1] (Historical)
00:00	0	0
02:00	0	0
04:00	0	0
06:00	0	0
08:00	0	0
10:00	75	0
12:00	175	0
02:00	40	0
04:00	0	0
06:00	0	85
08:00	0	90
10:00	0	0

Comparison Report in AllGoVision Alarm Center