



Datasheet

AI Video Analytics



Version 4.0

This Specification Sheet gives the details of system requirements, features and other salient points of AllGoVision AI Powered Video Analytics.

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INTRODUCTION

This Data sheet gives the details of system requirements, features and salient points of AllGoVision.

AllGoVision is a Video Analytics software product for actionable intelligence in security installations. The product provides excellent return on investment for a wide range of applications, including City Surveillance, Building Surveillance, Business Intelligence, Loss Prevention, Consumer Behavior Analysis, Intelligent Traffic Management, Parking Management and many more.

The technology evaluates the contents of video to rapidly determine the specific information about the video contents like specific data, behavior patterns, tracking movement of people/objects in monitoring zones.

AllGoVision offers Full Deep Learning Analytics, where all the features of AllGoVision are enabled with Deep Learning. Deep Learning is utilized by AllGoVision for accurate and fast Object Detection, Object Recognition, Object Classification and Object Tracking.

Deep Learning: AllGoVision, is one of the few companies using Artificial Intelligence (AI) powered analytics which uses Deep Learning in its Video Analytics features. Deep Learning in Video Analytics involves the use of layered filters which enhance the detection rate of objects and rule-violations. In all the security problems being solved by Video Analytics, there is an object which can be a person, vehicle, animal, face, etc. and the first step is to detect the object accurately. With the use of layers of filters, the accuracy of detecting the right object becomes high and there are very few false detections. The second step is to find out the activities being done by the detected objects as these activities can be rule-violations. For eg., a person (object) can loiter (activity) around in a restricted zone. The detection of such activities is enhanced through the layered filters of Deep Learning. Similarly, the third step, which is tracking the object post the rule-violating activity is also improved.

Security features – Deep learning provides accurate classification and detection. This reduces false alarms for external lights, animals, birds and light changes.

Suspicious Incidences – Deep learning minimizes false alarms for shadows, external lights and false objects.

Face Recognition – Better match with Deep learning. This is robust to lighting changes. A single mugshot image can be used as the registration image.

SYSTEM REQUIREMENT

AllGoVision analytics has the following system hardware and software requirements.

CATEGORY	REQUIREMENT
Operating System	Workstation: Windows 10 Server: Windows Server
Network	Ethernet, 1 Gbit or higher recommended.
Hardware Requirement	x86 Platform, 64 bit, AVX support
Server requirement (for QVGA resolution)	Core i7 (6 Cores), 3 GHz, 8 GB RAM for up to 15 channels Xeon 6 core, 3 GHz, 8 GB RAM for up to 15 channels Xeon 12 core, 3 GHz, 16 GB RAM for up to 30 channels (approx. 2.5 channels per core, suitable to add multiple CPUs in single server) Supports Nvidia GPU acceleration for Face Capture & Recognition (approx. 1 channel per 2 cores for Face Recognition based features) Note: Actual Configuration will be based on the use-cases and features
Frame Rate Requirement	>8 fps for Security Analytics (Perimeter Protection/Intrusion), Face Recognition >15 fps for PTZ Analytics, People Counting, Traffic features and LPR.
Stand Alone version camera support (Works with/without VMS)	Models from Axis, Pelco, Bosch, Sony, Honeywell, Hikvision, Dahua, Panasonic, Brickcom, IndigoVision, Cisco, Samsung, Acti, Vivotek, FLIR, Digital Watchdog, and others (ONVIF Cameras). Any other camera requires URL to connect camera and get video feed. Supports MJPEG, H.264, MPEG4 Supports ONVIF camera, ONVIF PTZ control
VMS/NVR supported	Milestone, Genetec, IndigoVision, Exacqvision, Cisco, Honeywell, Digital Watchdog, WaveStore, Verint, Bosch Supports other VMS/NVR with direct camera connection & Alarm Center Client Supports PSIA standard alarms to integrate with VMS, Control Center

COMPREHENSIVE SOLUTION

The AllGoVision Analytics is robust to weather changes, lighting changes, tree swaying and other background distractions. AllGoVision also works well in crowding conditions. AllGoVision supports object classification, Object Detection through **Deep Learning** and is highly effective for the Classification of objects.

The software is easy to install and simple to use with intuitive GUI. AllGoVision also supports customization through variation of features for specific applications. AllGoVision supports distributed architecture. Following are the salient features and options supported in AllGoVision.

- Supports both native **Windows UI** and **Web UI**
- **Administrator** Login
- **Scheduler** to enable scheduling of Analytics
- **Failover** server
- **ONVIF** streaming of analytics overlaid video, video stabilization
- **Alarm video** creation and **Snapshot** creation
- **False Alarm Minimization with Deep Learning**
- **Direct Camera** Connection
- Supports video analytics configuration on **locked pre-set of PTZ camera**
- Option to run the Application as a **Windows Service**
- People/Object/Vehicle **counting report** generation
- **Auto Emailer** & **FTP upload** options for reports
- **Save, Export** and **Restore** options for **Analytics Settings** of each Camera
- **Metadata** Storage & Search for object's Type, Time, Color, Size, Speed and Aspect Ratio
- **Privacy Masking** options – face masking, object masking and masking of view
- **Logical operation** on Alarms
- Both **Server** based and **Edge** based (on camera) analytics capabilities
- **Multi-region Analytics** on a single frame (alerts for multiple features/regions simultaneously)
- Options for Naming & **Priority** Settings for the regions.
- AllGoVision has its own alarm management client **Alarm Center**, providing below features:
 - Provides real time alarm snapshot and video. The database requirement is MySQL.
 - View / Search / Reporting & Analysis options for AllGoVision's video analytics alarms
 - Options for alarm **Pop-up, Preview, Playback, Thumbnail** view & **Video Summary**
 - Alarms **filters** based on object properties – time, type, color, size, speed & aspect ratio
 - **Live View** option for video wall and **Live Reporting** options
 - Provides search capability for **Forensic Search** based on metadata / object properties.
 - Analysis tools for operations management: **Heat Map, Motion Map, Flow Map.**
 - Reporting in **pdf, jpeg, excel, text** file and **scheduling** reports for **email** & **FTP**.
 - Provides **comparison reports** for time series analysis.
 - Supports following clients for video analytics based applications
 - **Parking Management** display
 - **Multi Camera Tracking** & Camera Mapping
 - **Face Recognition** client
 - **License Plate Recognition** client

VIDEO ANALYTICS PACKAGES & FEATURES

AGV-VA | AllGoVision Video Analytics Software

SECURITY		BUSINESS / RETAIL INTELLIGENCE	
AGV-VA-PKG-INTR-B	INTRUSION DETECTION - BASIC	AGV-VA-PKG-CNTG-P	PEOPLE COUNTING & REPORTING
AGV-VA-TRPW	Tripwire*	AGV-VA-PPLC	People Counting*
AGV-VA-TRSP	Trespass*	AGV-VA-RPAN	Reporting & Analysis
AGV-VA-TMPR	Camera Tampering*	AGV-VA-PKG-MGMT-Q	QUEUE MANAGEMENT
AGV-VA-PKG-INTR-A	INTRUSION DETECTION – AUTO PTZ	AGV-VA-QUMT	Queue Management
AGV-VA-PTZC	Continuous Auto PTZ	TRAFFIC & PARKING MGMT.	
AGV-VA-PTZH	PTZ Handoff	AGV-VA-PKG-MGMT-T	INTELLIGENT TRAFFIC MANAGEMENT
AGV-VA-PTZP	PTZ Pre-set Position Analytics	AGV-VA-VHLC	Vehicle Counting*
AGV-VA-PKG-SUSP-O	SUSPICIOUS INCIDENT - OBJECT	AGV-VA-WWDT	Wrong Way Detection*
AGV-VA-LODT	Left Object Detection*	AGV-VA-IPDT	Illegal Parking Detection*
AGV-VA-MODT	Missing Object Detection*	AGV-VA-SPDT	Speeding Detection
AGV-VA-PKG-SUSP-P	SUSPICIOUS INCIDENT – OBJECT	AGV-VA-CNDT	Congestion Detection
AGV-VA-TGDT	Tailgating Detection* (Person/Vehicle)	AGV-VA-RLVD	Red Light Violation Detection
AGV-VA-LTDT	Loitering Detection*	AGV-VA-PKG-MGMT-P	PARKING MANAGEMENT
AGV-VA-PKG-SUSP-OC	CLASSIFICATION	AGV-VA-PRMT	Parking Management (Availability)
AGV-VA-OBCL	Object Classification	AGV-VA-PKG-LPDR-A	LICENSE PLATE RECOGNITION
ADVANCED SAFETY		AGV-VA-LPDT	License Plate Detection
AGV-VA-PKG-ADVS-C	CROWD MANAGEMENT	AGV-VA-LPRC	License Plate Recognition
AGV-VA-CRDT	Crowding Detection*	FACE DETECTION & RECOGNITION	
AGV-VA-CCNT	Crowd Counting*	AGV-VA-PKG-FACE-D	FACE DETECTION
AGV-VA-CFDT	Crowd Flow Detection*	AGV-VA-FCDT	Face Detection / Face Capture
AGV-VA-PKG-ADVS-S	ADVANCED SAFETY – SMOKE	AGV-VA-PKG-FACE-R	FACE RECOGNITION
AGV-VA-VSDT	Video Smoke Detection	AGV-VA-FCRC	Face Recognition / Verification
AGV-VA-PKG-ADVS-F	ADVANCED SAFETY – FIRE	SEARCH & ANALYSIS	
AGV-VA-VFDT	Video Fire Detection	AGV-VA-PKG-SRCH-A	SEARCH & ANALYSIS
AGV-VA-PKG-ADVS-P	ADVANCED SAFETY – PERSON	AGV-VA-HEAT	Heat Map
AGV-VA-SFDT	Slip & Fall Detection	AGV-VA-FLOW	Flow Map
ENHANCED MONITORING		AGV-VA-SITE	Site Map
MASKING		AGV-VA-MDAS	Smart Subject Search
AGV-VA-FAMS	Face Masking (Privacy Masking)		
AGV-VA-OBMS	Object Masking		
AGV-VA-ONST	ONVIF Streaming		

For details on any feature, please contact AllGoVision

*: The features are available on the edge.

Note: The Product, Package & Feature Ids are given in Orange coloured codes

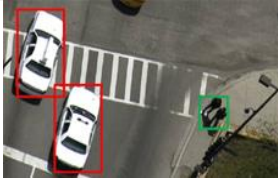
BRIEF DESCRIPTION OF FEATURES

<p>#01 AGV-VA-TRPW</p> 	<p>Tripwire</p> <p>Detection of a person or vehicle crossing (or touching) a virtual line drawn in the camera field of view. The line crossing event can be detected for both directions.</p> <p>Example: Intruder detection on fenced areas, alert monitoring at the entrance, detection of illegal crossing of railway lines or getting closer to a restricted zone.</p>
<p>#02 AGV-VA-TRSP</p> 	<p>Trespass</p> <p>Detection of a person or vehicle entering or exiting virtual area drawn by the user.</p> <p>Example: Intruder detection in restricted areas. Illegal entry into secured zones in Banks, Stores, Plants. Entry of person or vehicle into restricted area or exit from that.</p>
<p>#03 AGV-VA-TMPR</p> 	<p>Camera Tampering</p> <p>Detection of camera tampering efforts by camera focus change or view obstruction or video cable cut.</p> <p>Example: Sabotage attempts by vandals (initiated with camera tampering) are detected and alerted and security personnel can take necessary actions.</p>
<p>#04 AGV-VA-LTDT</p> 	<p>Loitering Detection</p> <p>Detection of a person's or vehicle's persistence beyond a specified time (set by the user) in a monitored virtual area in the camera field of view.</p> <p>Example: People loitering in malls even after closing hours; people or vehicle having longer dwell time in restricted area; people persistence near critical assets.</p>
<p>#05 AGV-VA-TGDT</p> 	<p>Tailgating Detection</p> <p>Detecting a person (individual) or vehicle following too closely the person or vehicle in front to get past access controlled entrances or barriers (like boom barriers).</p> <p>Example: Unauthorized access at the mall entrance, gated communities, office premises, factories.</p>
<p>#06 AGV-VA-LODT</p> 	<p>Left Object Detection</p> <p>Detection of any object left behind in the monitored zone by a moving agent such as the owner of the object or baggage.</p> <p>Example: Threat detection due to baggage left unattended in public places like malls, roads, railway station, airports etc. Unmindful passenger leaving any luggage.</p>
<p>#07 AGV-VA-MODT</p> 	<p>Missing Object Detection</p> <p>Detection of object(s) removed from the monitored zone in the camera view.</p> <p>Example: Detection of removal or theft of precious items like paintings hanging on a wall. Critical Asset protection. Artefacts protection in museums, etc.</p>
<p>#08 AGV-VA-PTZC</p> 	<p>Continuous Auto PTZ Tracking</p> <p>Automatic tracking of object (Single or Multiple) using Pan-Tilt-Zoom (PTZ) camera.</p> <p>Example: Continuous tracking of objects like intruder; Continuous tracking of vessels in Sea.</p>

#09	AGV-VA-PTZH	PTZ Handoff	<p>Violation detected on any Fixed camera triggers PTZ camera to its view for auto tracking of the violator object.</p> <p>Example: Auto tracking of intruder with one PTZ camera covering multiple Fixed cameras, for instance, along the compound perimeter.</p>
#10	AGV-VA-PTZP	PTZ Pre-set Position Analytics	<p>Different PTZ pre-set positions can be assigned to different regions and analytics can be run to monitor each of those pre-set positions.</p> <p>Example: Analytics can be applied for monitoring various regions of interest in a wider zone within the range of a PTZ camera.</p>
#11	AGV-VA-CRDT	Crowding Detection	<p>Detects crowd in the camera field of view / region of interest, and when the crowd formation goes beyond a specified threshold (crowd count / percentage of area) alerts against the over-crowding scenario.</p> <p>Example: Detecting illegal gathering of masses, or getting alert for overcrowding scenario in public places (malls/railway stations/airports) and entry/exit/lobby areas.</p>
#12	AGV-VA-CCNT	Crowd Counting	<p>Measures the crowd level in terms of number of people occupying a specified region of interest in the camera field of view, provides live crowd count on screen</p> <p>Example: In festivals & public places crowd counting is used for crowd management and for taking corrective action against crowd surge or overcrowding</p>
#13	AGV-VA-CFDT	Crowd Flow Detection	<p>Analyses crowd movement patterns in different direction and marks it by different colours, and detects and movement of crowd in undesired direction.</p> <p>Example: Crowd movement tracking and crowd counter flow detection can help in avoiding mishaps due to crowd movement in wrong directions.</p>
#14	AGV-VA-VSDT	Video Smoke Detection	<p>Detects presence of smoke for both indoor & outdoor environments within only 5-10 seconds when it appears in the camera view and covers more than 10-15% of area.</p> <p>Example: Rapid detection of smoke as an early warning for smoke generation / initiation of fire in large indoor/outdoor areas, Warehouses, Server and Data rooms.</p>
#15	AGV-VA-VFDT	Video Fire Detection	<p>Detects and alerts rapidly (in 5-10 seconds) against presence of fire in the camera view / monitored zone even when it is formed in 10-15% of the view.</p> <p>Example: Rapid detection of fire as an early warning for avoiding huge loss & greater impact due to fire hazards in Oil & Gas plants, critical infrastructure etc.</p>
#16	AGV-VA-SFDT	Slip & Fall Detection	<p>Detection of person slipping and falling on ground.</p> <p>Example: Used towards human safety, as necessary care could be taken promptly against alarm generated for slip & fall of people in Malls, Airports, Metro etc.</p>

#17 AGV-VA-OBCL

Object Classification*



Detects objects and classifies them as people or vehicle.

Example: Used for intelligent monitoring where other video analytics alerts are required only for certain type of moving object (either person or vehicle)

*Uses Deep Learning

#18 AGV-VA-FAMS

Privacy Masking / Face Masking



Ensures privacy by masking the faces of people in video stream from cameras at public places. While recording stream stores the unmasked video, the masked video is used for display or monitoring purpose.

Example: The masked video ensures privacy requirement for people in surveillance zones while not compromising the raw video footage stored for evidence purpose.

#19 AGV-VA-PPLC

People Counting

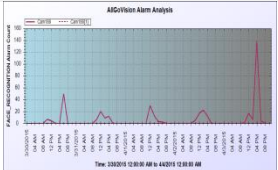


Counts the number of people traversing a certain passage. While angular camera can also be used, best results are achieved with head detection in overhead camera at entry / exit. Counts are provided in both directions (coming in/going out)

Example: People counting to analyse foot fall statistics in malls, retail stores etc. Conversion factor can be calculated by comparing footfall data with sales figures.

#20 AGV-VA-RPAN

Reporting & Analysis



AllGoVision provides extensive reporting and analysis options. Reports are generated in multiple formats (PDF, CSV, TXT, JPEG) with tables and plots. Reports can be scheduled for auto-emailer or FTP upload. Alarm Analysis and Comparison reports are also supported.

Example: Used in business decision making and time series analysis.

#21 AGV-VA-QUMT

Queue Management



Detects queue properties for waiting time analysis (Ingress – in flow, Egress – out flow,

Example: Used in service counters, ticket counters / travel desk, check in counters, flight boarding areas for waiting time analysis and improvement of service process.

#22 AGV-VA-VHLC

Vehicle Counting



Counting of vehicles that cross a virtual line in a vehicle lane or entry / exit gates.

Example: Vehicle movement statistics for traffic study, traffic density calculation etc.; multi-lane vehicle counting; vehicle queue length and waiting time analysis at toll plaza etc.

#23 AGV-VA-WWDT

Wrong Way Detection



Detects vehicle movement in a direction opposite to user specified direction.

Example: Vehicle moving in wrong direction in one way road system; vehicles exiting / entering wrongly through entry only / exit only areas.

#24 AGV-VA-IPDT






Illegal Parking Detection



Detects parking or stopping by any vehicle in a specified virtual area (no parking zone or restricted zone) beyond a specified period.

Example: Illegal parking on road sides, in no parking areas or restricted zones, Illegal parking of the vehicle in front of the entry/exit gates.

<p>#25 AGV-VA-SPDT</p> 	<p>Speeding Detection Detects speeding of any vehicle above specified speed limit observed in camera installed parallel to the road. Example: Over speeding vehicles on highways, city roads and campus pathways.</p>
<p>#26 AGV-VA-CNDT</p> 	<p>Congestion Detection Detects the percentage of area occupied by vehicles and alerts against vehicle congestion as the vehicles occupy area beyond a threshold value. Example: Detects traffic jams and traffic slowness in zones which have moving traffic otherwise.</p>
<p>#27 AGV-VA-PRMT</p> 	<p>Parking Management (Availability) Provides the parking occupancy level and free parking slot availability by detecting vehicle entry and exit by monitoring these transition points in parking lot areas. Example: Parking management with live parking availability status display at parking lots of malls, offices, factories, residential building complexes, airports etc.</p>
<p>#28 AGV-VA-LPDT</p> 	<p>License Plate Detection Detects the presence of vehicle license plate (or number plate) and captures the image of the license plate along with the vehicle. Example: Records keeping of vehicles entering or exiting a specific zone. Used for evidence and monitoring purpose.</p>
<p>#29 AGV-VA-LPRC</p> 	<p>License Plate Recognition Extracts / recognizes the license number (registration number) from detected vehicle plates and can verify against a user defined black / white list. Example: Used for traffic monitoring & law enforcement (detection of traffic rule violation and identification of the associated vehicle, detection of stolen cars etc.); vehicle access control & task automation; automated parking & toll management.</p>
<p>#30 AGV-VA-RLVD</p> 	<p>Red Light Violation Detection Detects the Violation of Red Light by a Vehicle and gives an alarm. Can also be integrated with LPR to get the License plate details of the vehicle. Example: At traffic junctions, Red Light Violations can be detected and the license plate of the violating vehicle can be recognised.</p>
<p>#31 AGV-VA-FCDT</p> 	<p>Face Detection / Face Capture Detects and tracks the human face in the camera view, and also captures the face image and stores it in the database for future reference. Example: Initiation of alarm or systems (to be integrated) which need activation on appearance of any person. Detected and captured faces are used for evidence / monitoring purpose.</p>
<p>#32 AGV-VA-FCRC</p> 	<p>Face Recognition & Face Verification Matches the Face detected in the camera view with the registered faces in the database and sends alarms corresponding to match or mismatch. Example: Face recognition & verification is used in multiple applications such as VIP identification, Black List alarm, Forensic Face Search, People Authentication, Attendance Recording & Reporting, and can be integrated with Access Control.</p>


<p>#33 AGV-VA-FACC</p> 	<p>Face Counting</p> <p>Counts the number of faces in the camera view at an instant and over any specified time period.</p> <p>Example: Viewership / Audience Measurement for digital signage, advertisements / bill boards. Visitor statistics based on number of detected human faces.</p>
<p>#34 AGV-VA-FACP</p> 	<p>Face Presence</p> <p>Face Presence detects for how much time the detected faces persisted in the camera view and provides plot of time distribution for detected faces.</p> <p>Example: Used in customer / viewer engagement analysis showing the engagement time analysis.</p>
<p>#35 AGV-VA-FACF</p> 	<p>Face Frequency</p> <p>Face Frequency detects how frequently any recognized face appeared in the camera and provides the plot of frequency distribution for recognized persons.</p> <p>Example: Customer Retention information by analysing the frequency of visit by VIP Guests / Loyalty Customers etc.</p>
<p>#36 AGV-VA-HEAT</p> 	<p>Heat Map</p> <p>Object movement density represented with color gradient over the monitored area or specified region of interest based on specified time duration.</p> <p>Example: Used in finding customer movement hotspots for product placement. Used in layout optimization in operations management.</p>
<p>#37 AGV-VA-FLOW</p> 	<p>Flow Map</p> <p>People movement trend map (percentage share for various movement paths) in the monitored zone based on inputs gathered in specified time period.</p> <p>Example: Used in finding customer movement pattern and identifying most popular movement directions, most visited product sections etc. For finding out movement bottlenecks and layout enhancement, if required.</p>

ALLGOVISION GUI

AllGoVision product offers a graphical user interface with Web UI and native Windows UI. The options are provided to add cameras directly or from VMS, provide configuration and view alarms.


The alarms can be viewed in Web UI or in Windows native application Alarm Centre.

AllGoVision
Testing
Logout




Camera Configuration

Camera List | Registration




Servers

Server List | Server Configuration




Health Monitor

Sites | Maps




Alarms

LiveView | Search | Reports




Face Registration

Manual | Auto | View | Edit




License Plate Registration

Register | View | Parking Management




Administration

User Management | Site Management



Parking Management

Parking Management System



Licenses

Expiry date:

Dashboard

AllGoVision Analytics
Testing
Logout

Home > Camera



Cameras

Registration

Enable Analytics on Cameras Added

Show 5 entries Search:

Refresh
Export to Excel
Select all
None

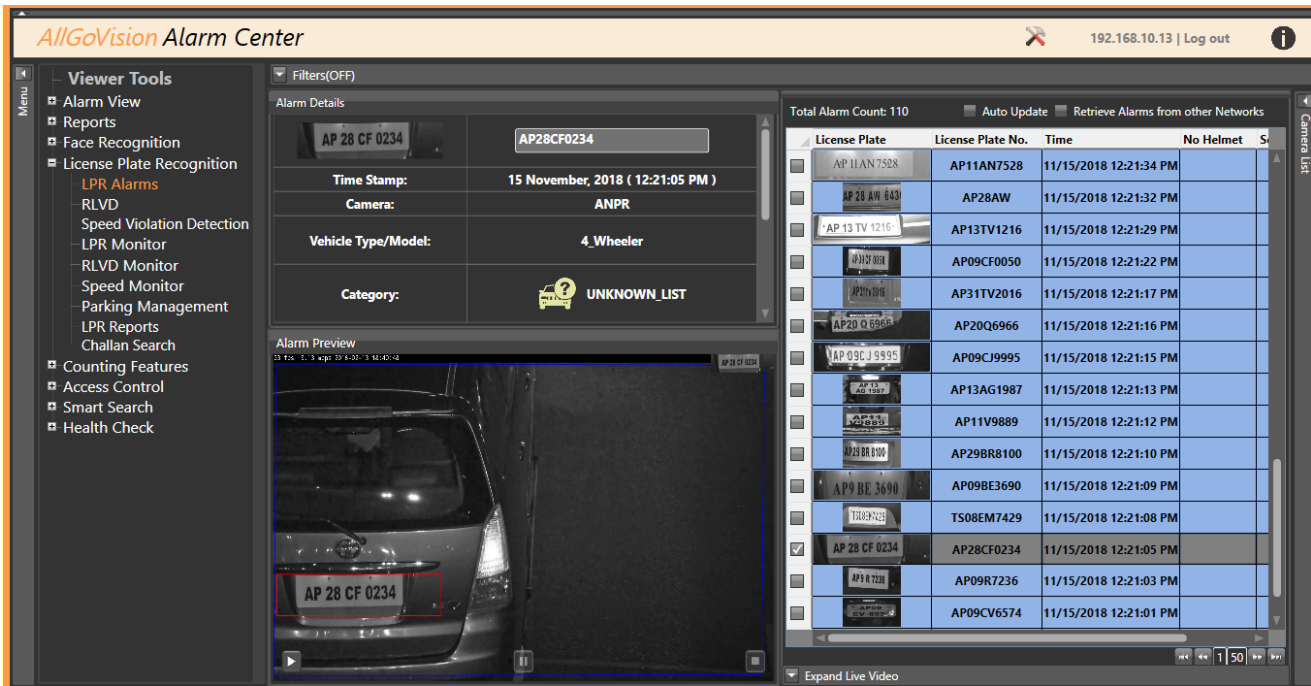
Dashboard	ID	Thumbnail	Name	IP Address	Main Server	Failover Server	Site	VMS	Running Analytics	License	Delete
Dashboard	4		192.168.10.47 - Camera - 01	192.168.10.237	Web Server	None	Indira Nagar	Genetec	No	Yes	✖
Dashboard	6		192.168.10.49 - Camera - 01	192.168.10.237	Web Server	None	Indira Nagar	Genetec	No	Yes	✖

Showing 1 to 2 of 2 entries Previous 1 Next

Upload Config File
Clone Config
Start Analytics
Stop Analytics

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Camera List

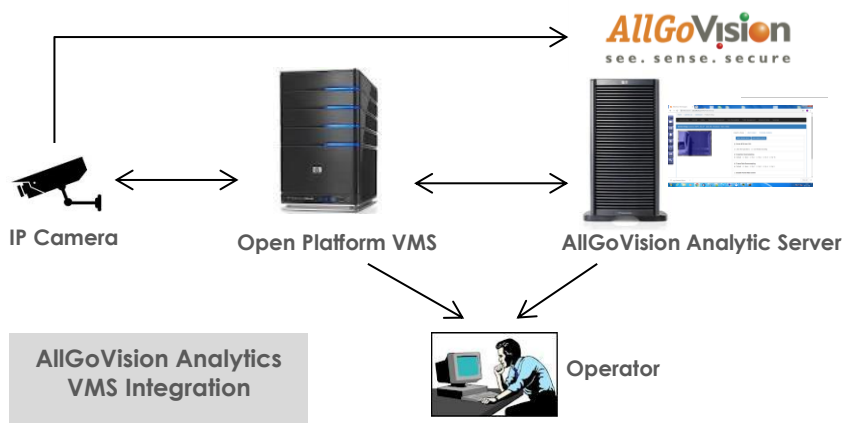


AllGoVision Alarm Center

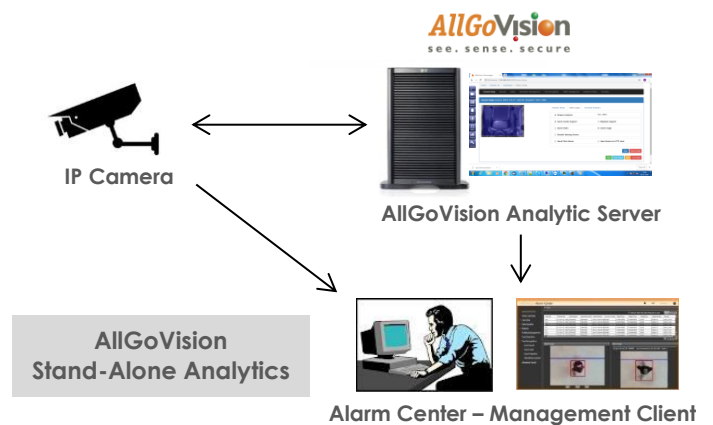
INTEGRATION FLEXIBILITY

The AllGoVision Video Analytics is flexibility in terms of supporting both Server-based and Edge-based analytics. In server based analytics it is available in 2 flavours:

With VMS: AllGoVision application is based on Open Platform Standards. It is integrated with many VMS softwares. It takes video feed either from Camera or VMS, sends alarms to the VMS viewer.



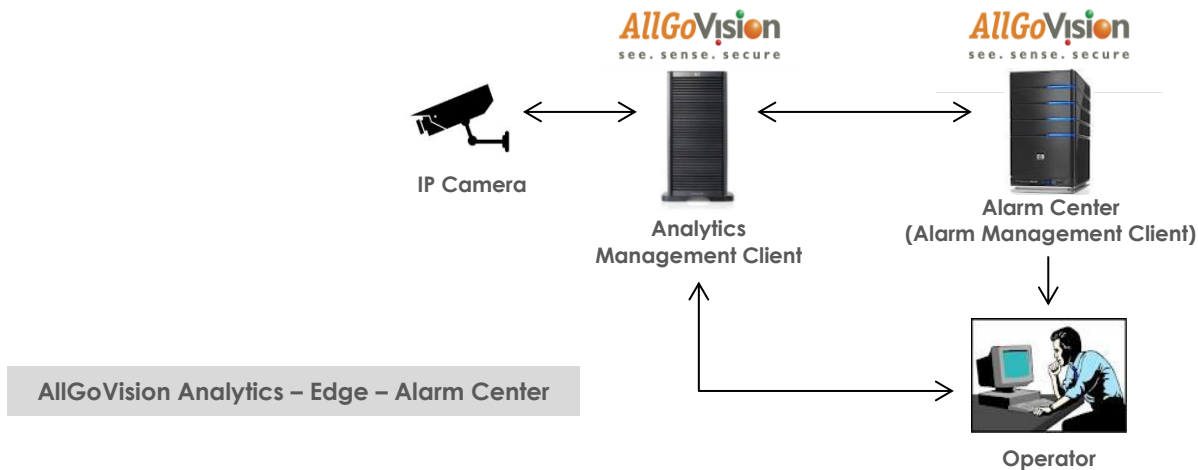
Without VMS: AllGoVision can also work independent of VMS as a stand-alone application, it takes the video feed directly from camera and sends alarms to Alarm Center (AllGoVision's own Alarm Management Client software) and works for view / search / reporting & analysis of alarms.



Edge Analytics: AllGoVision Analytics is also available on Edge on supported cameras. It runs the analytics algorithm directly on the camera based on the settings & configurations done at the AllGoVision GUI end (installed on server/pc). The alarms are sent to and viewed in below options:

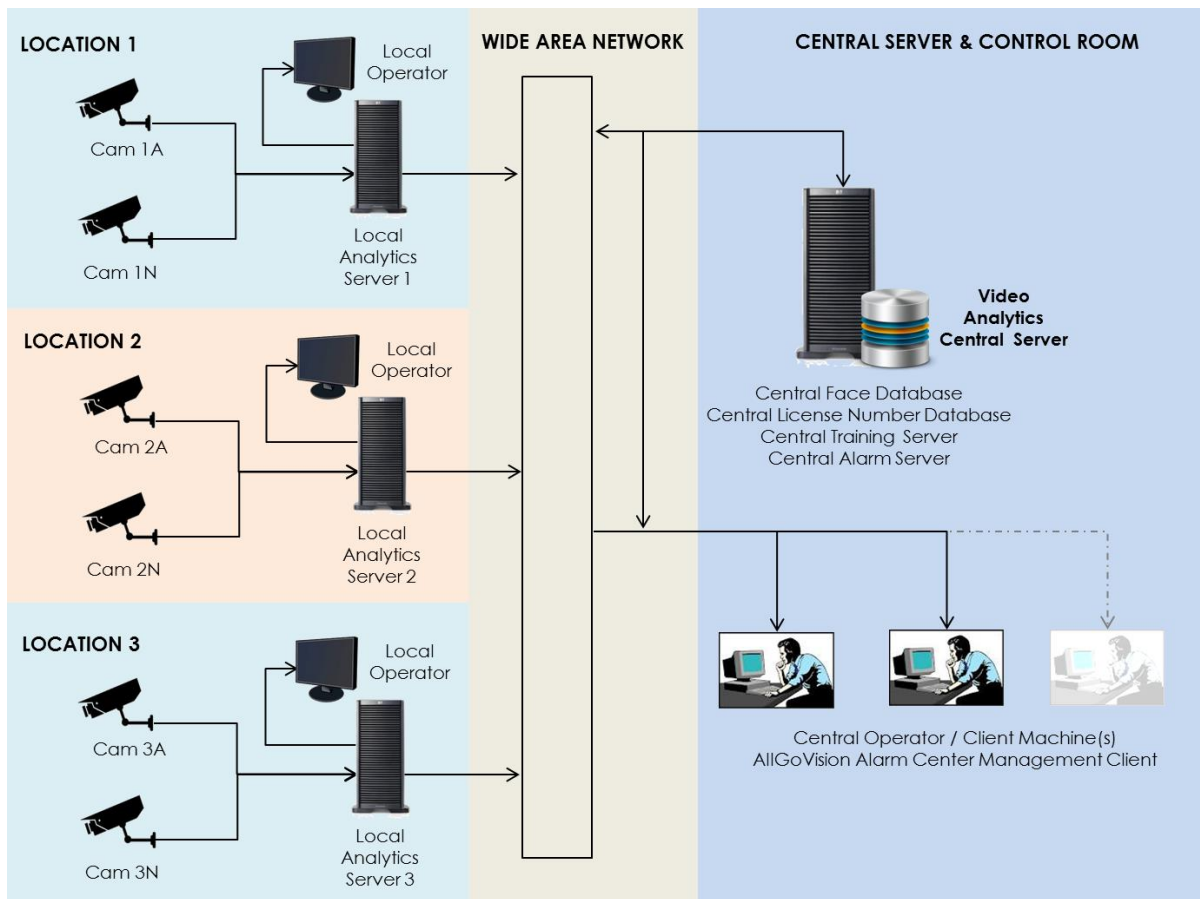
- 1) At the Camera's Management Client
- 2) At the VMS Viewer (Smart Client) level
- 3) In AllGoVision Alarm Management Client – Alarm Center

The application runs as Windows service. It supports many channels per server for Edge Analytics and therefore saves extra hardware cost. The features supported in Edge Analytics are marked in the list of features section of this datasheet.



Federated Architecture

- With Federated Architecture, analytics can be done at local servers and viewed by local operators.
- A central server with a central operator can view all the alarms in the system.
- Alarms from different clients can be seen at the central Alarm Center and alarms are differentiated through Client IDs.



ALLGOVISION ON CLOUD

AllGoVision's Video Analytics features can also be hosted on Cloud. Cloud enabled Video Analytics Service provides a virtual platform for all Video Analytics features. The benefits of Video Analytics on Cloud are mentioned below:

<ul style="list-style-type: none"> OPEX Pricing Model 	✓
<ul style="list-style-type: none"> Secured Web Interface 	✓
<ul style="list-style-type: none"> Easy Integration – Configuration & Alarms 	✓
<ul style="list-style-type: none"> Health Monitoring 	✓
<ul style="list-style-type: none"> Infinite Scalability 	✓
<ul style="list-style-type: none"> Business Intelligence 	✓
<ul style="list-style-type: none"> Single Sign On 	✓

- Dashboard – Alarms/ Reports ✓

• Multitenant Architecture ✓

- Real-time Email alerts ✓

• Multi-site support ✓

- 3rd party VMS/NVR integration ✓

