



AllGoVision Video Analytics 4.5

& Hanwha Techwin's Wisenet Integration

Overview ●●●

AllGoVision Technologies makes AI based enterprise grade video analytics software products for surveillance and business intelligence applications. With applications in verticals like Smart Enterprises / Facilities / Critical Infrastructures, Smart Cities & Transportation, focusing on enhancement of Business Intelligence, Business operations, Safety & Security, **AllGoVision** solutions have been protecting people and assets since 2009.

Wisenet SSM is a one-stop, total video management software (VMS) platform that maximizes the efficiency of Wisenet IP network Cameras, Recording devices and servers, whilst facilitating integration with third party systems such as intruder alarms and Access Control. Its modular architecture empowers operators to configure, manage and monitor large numbers of cameras and equipped with a powerful search engine, it offers a wide range of options to assist operators to quickly & easily retrieve evidential data.

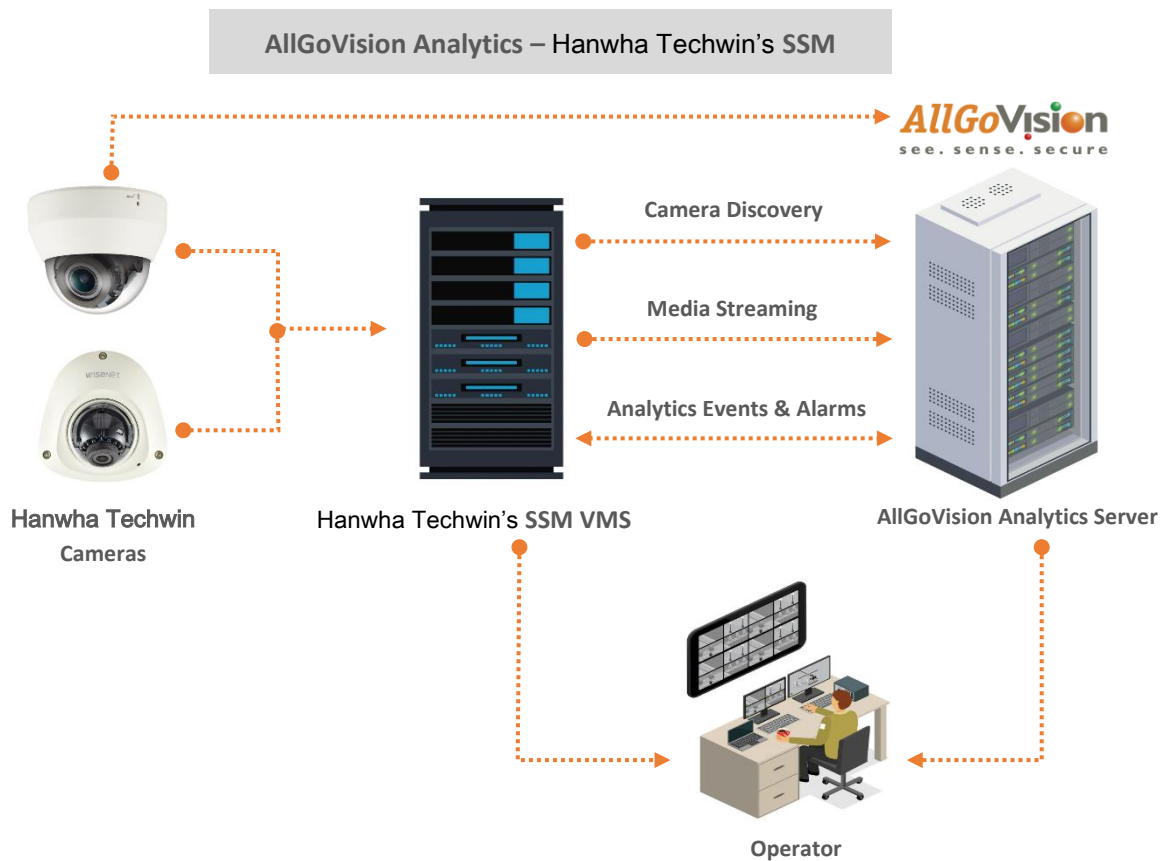
The **AllGoVision** video analytics software makes the entire process of surveillance more efficient with real-time alerts, actionable insights and reports using Deep Learning algorithm to perform analytics. **AllGoVision** has developed the software with the flexible integration architecture making the system adaptive to different types of VMS, analytics & customization.

This document describes **AllGoVision's** Video Analytics Software integration with Hanwha Techwin's VMS Software & Cameras.

System Integration ●●●

AllGoVision Video Analytics software has the following integration architecture with the Wisenet SSM VMS.

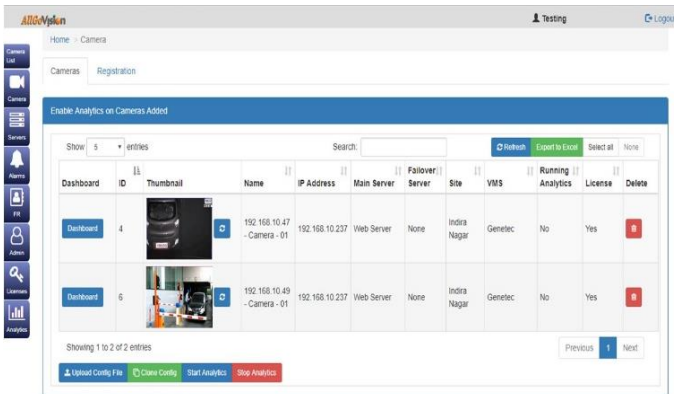
- **Camera Discovery:** Using Wisenet SSM Client SDK, **AllGoVision** software discovers Hanwha Techwin cameras connected to SSM.
- **Media Streaming:** SSM pushes camera video stream using RTSP (i.e., event information in XML format) to AllGoVision software.
- **Custom Event Creation:** Analytics events specific to **AllGoVision** analytics are created in SSM.
- **Analytics Event:** Analytics events & alarms generated by AllGoVision analytics engine are pushed to SSM using Wisenet SSM Client SDK.



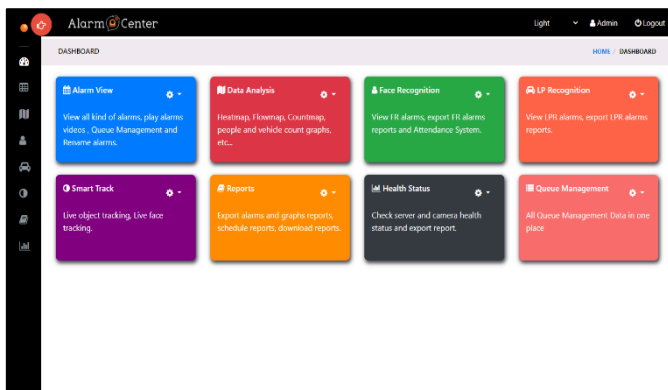
The **AllGoVision** Software evaluates the contents of video feed from Hanwha Techwin's SSM to determine the specific information about the video contents. The product analyses rapidly the video for specific data, behaviour patterns, tracking movement of people/objects in specified monitoring zones. Security alerts are sent to the Hanwha Techwin's SSM while data analytics are sent to a command-and-control centre for unified reporting & business intelligence.

AllGoVision's Product

Video Analytics Software 4.5



Alarm Centre Dashboard



Hanwha Techwin's Product

QND - 7080R



XNV - 6022R



QNV - 7082R



QND - 7082R



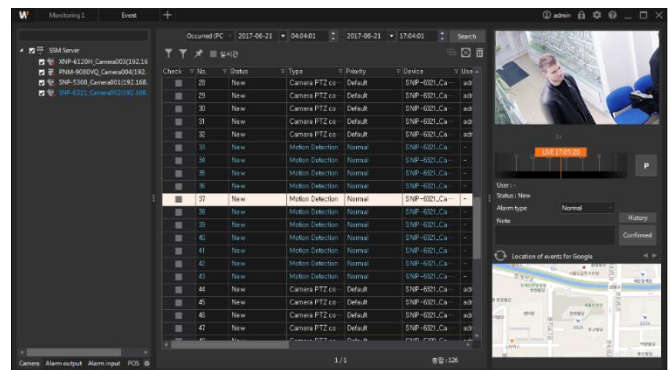
QND - 6082R



QNO - 7012R



Wisenet SSM VMS



Video Analytics Applications

AllGoVision's video analytics solutions enable businesses to take real-time decisions enhancing Operational Efficiency. By combining our broad analytics portfolio and a strong focus on end-customer problem solving, we add value to the top line and bottom line of businesses.

With Hanwha Techwin's Wisenet series of cameras & VMS Integration AllGoVision Video analytics software find applications in most key customer verticals such as retail, traffic, and industrial segments, where it is used for detection and prevention of intrusion and vandalism attempts, to identify and recognize the human face in camera view, monitor vehicle movement patterns, prevent traffic law violations, read license plates, manage crowding and so on.

Advanced Video Analytics software primarily enhances security & surveillance. It also provides video content analysis in real-time and provide business insights.

Integrated Feature Set ●●●

AllGoVision's Video Analytics Features

SECURITY

INTRUSION DETECTION - BASIC

Tripwire
Trespass
Camera Tampering

SUSPICIOUS INCIDENT - OBJECT

Left Baggage Detection
Missing Object Detection

SUSPICIOUS INCIDENT – OBJECT

Tailgating Detection
(Person/Vehicle)
Loitering Detection

ADVANCED SAFETY

CROWD MANAGEMENT

Crowding Detection
Crowd Counting
Crowd Flow Detection

ADVANCED SAFETY – SMOKE

Video Smoke Detection

ADVANCED SAFETY – FIRE

Video Fire Detection

ADVANCED SAFETY – PERSON

Slip & Fall Detection

FACE DETECTION & RECOGNITION

FACE DETECTION

Face Detection / Face Capture

FACE RECOGNITION

Face Recognition / Verification

BUSINESS / RETAIL INTELLIGENCE

PEOPLE COUNTING

People Counting

QUEUE MANAGEMENT

Queue Management

BEHAVIOUR ANALYSIS

Heat Map / Flow Map
Suspicious Person Identification

REPORT & ANALYSIS

REPORTING MODULE & DASHBOARD

Statistical Analysis Report
Data Modelling

TRAFFIC & PARKING MGMT.

INTELLIGENT TRAFFIC MANAGEMENT

Vehicle Counting
Wrong Way Detection
Illegal Parking Detection
Speeding Detection
Congestion Detection
Red Light Violation Detection

PARKING MANAGEMENT

Parking Management

LICENSE PLATE RECOGNITION

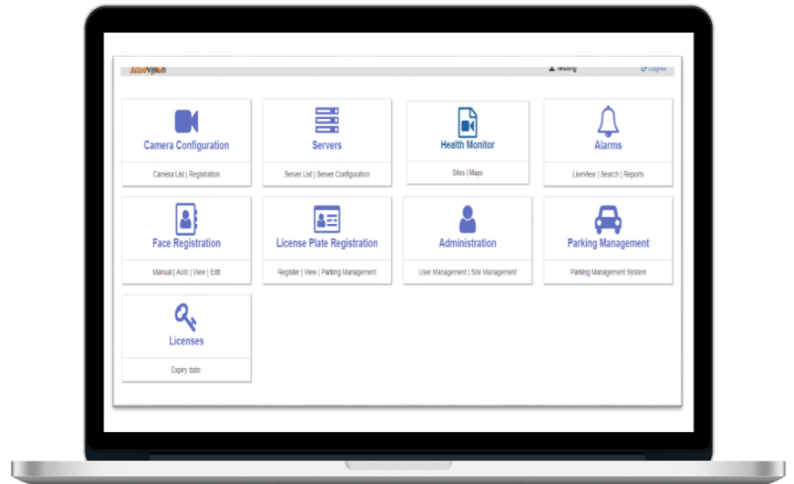
License Plate Detection
License Plate Recognition

SEARCH & ANALYSIS

SMART METADATA SEARCH

Key Features ●●●

- **AllGoVision's** product offers a graphical user interface with Web UI. The options are provided to add Hanwha Techwin *cameras* directly or from VMS, provide configuration and view alarms whenever an event happens for easy standalone deployments with existing Hanwha *surveillance / Wisenet SSM* infrastructure.
- **Supports Configuration facilities** that enable drawing region of interest. Analytics are applied using rectangles and free line-based areas defining multiple regions of interest in the same view for capturing alerts as well as configuration of regions that need to be excluded by the analytics algorithm for alarm generation.
- Association of multiple analytics per *Hanwha camera* feed simultaneously and rule engine enables combining multiple detection rules.



AllGoVision GUI

- **Advanced reporting capabilities** enable report customization & auto generation of reports in different formats such as PDF, JPG, Excel, Text formats through scheduling and ability to send the report to a predefined list of recipients.
- **AllGoVision's Alarm Management Client supports** real-time alerts enabling audio alarms and screen display popups.
- Establishes unlimited number of alarm clients & multiple languages: English, Arabic and Spanish etc.
- Able to send alert information to other systems through REST APIs.

A screenshot of the AllGoVision Alarm Management Client interface. It displays a table with columns for Alarm ID, Thumbnail, Live Camera Feed, Timestamp, Camera Name, Site Name, Alarm Name, and Alarm Description. The table contains several rows of alarm data, including timestamps and descriptions like 'LINE CROSSING' and 'TRIPWIRE'. There are also search and filter options at the top of the table.

AllGoVision Alarm Management Client

About *Hanwha Group* ●●●

Established in 1952, Hanwha Group is one of the largest business conglomerates based in South Korea. It is the country's third largest exporter and is a "FORTUNE Global 500" company.

Hanwha Group is at the forefront of various industries including aerospace and defence, petrochemicals, solar energy, finance, construction and retail. The Group's footprint includes 85 affiliates in South Korea and 380 global networks worldwide including America, Europe, China and the emerging markets in Southeast Asia, India and Middle East.

About *Hanwha Techwin* ●●●

Hanwha Techwin is a subsidiary of Hanwha Corporation, a South Korean based company. Hanwha Techwin offers total security solutions which encompass cameras, recording solutions, and video management software and compression technologies. Hanwha Techwin has solidified its leadership position in security solutions by building self-developed SoC chipset along with the optical, manufacturing and image-processing technologies accumulated over 30 years. Now, Hanwha Techwin is preparing for the future by continuously investing in AI and cyber security in order to provide convenient and safe security solutions to customers. With the representative brand, Wisenet, Hanwha Techwin will strive to serve security solutions that customers can trust.

Hanwha Techwin is ranked in the Top 4 in the global video surveillance camera market.

We MOVE with Trust

Visit us on: www.Hanwha-security.com

About *AllGoVision* ●●●

AllGoVision Technologies Pvt Ltd, is a leading player of Video Analytics, and provides advanced Deep Learning and Artificial Intelligence based video analytics solution. The company was started as a product unit in 2009, and with its growth, became an independent entity in 2016. With successful installation in more than 30+ countries with the help of 100+ Channel Partners, AllGoVision has become a reputed name worldwide. Headquartered in Bangalore, the Silicon City of India, AllGoVision also has presence in USA, UAE and Egypt.

AllGoVision comprises of 40+ basic and advanced video analytics features with varied applications in Smart Cities, Smart Buildings, Smart Retail and Smart Traffic. AllGoVision is integrated with 10+ major VMS and offers an open platform, plug and play solution for your existing surveillance infrastructure.



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