



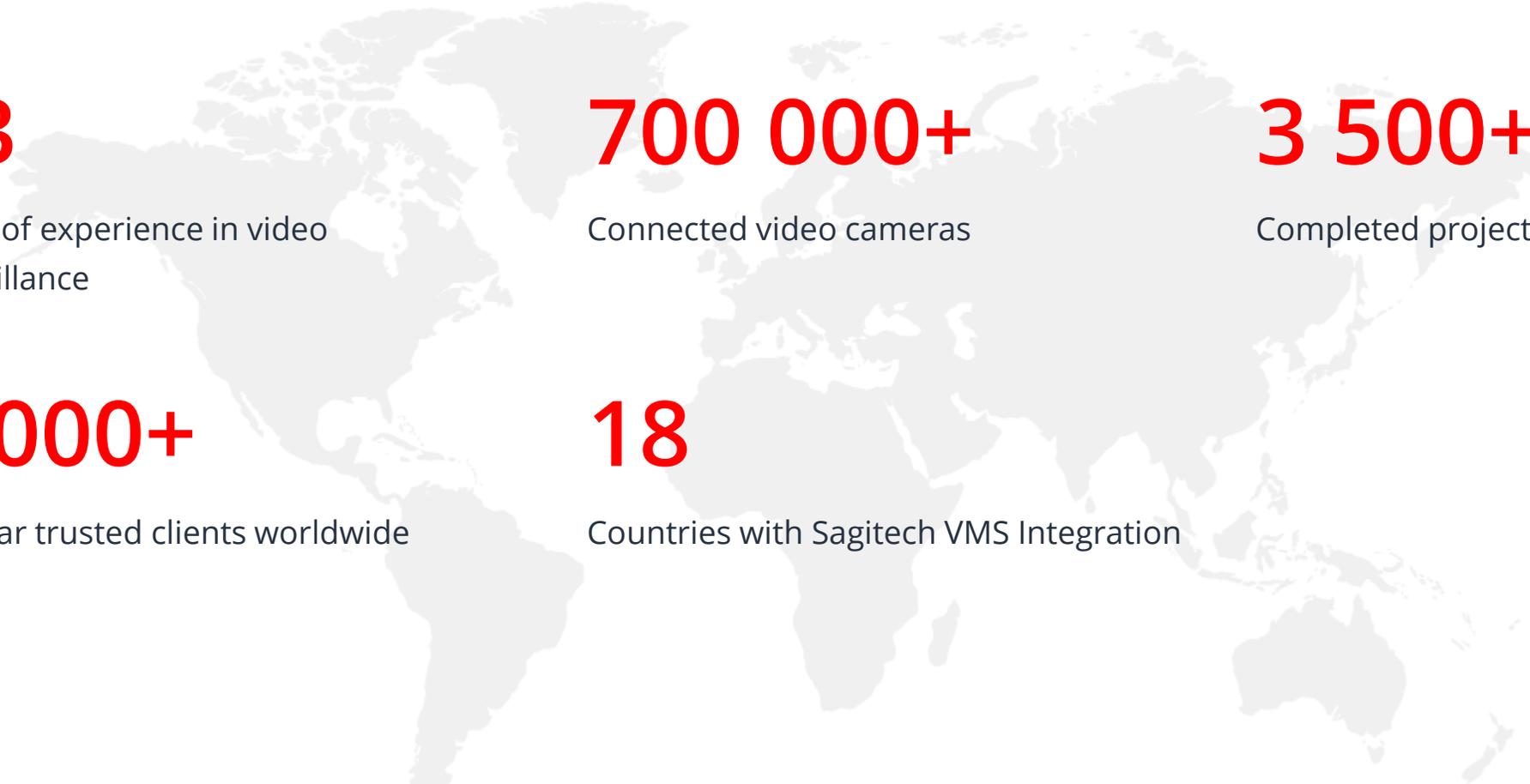
SAGITECH >>

## Advantages of Sagitech VMS

### Intelligent Video Surveillance for Retail

# Sagitech VMS in numbers

Since 2012, Sagitech Lab has specialized in developing professional software for scalable video surveillance systems with built-in video analytics.

A light gray world map is centered in the background of the infographic, showing the outlines of continents and major landmasses.

**13**

Years of experience in video surveillance

**700 000+**

Connected video cameras

**3 500+**

Completed projects

**1 000+**

Regular trusted clients worldwide

**18**

Countries with Sagitech VMS Integration

# About Sagitech Lab

We focus on high-performance and user-friendly software for IP surveillance systems. Our solution enables building scalable systems with any number of servers, IP cameras and workstations. We ensure high-quality fulfillment of all the processes necessary for successful design, development and implementation of the software product.

## **We provide:**

- Reliable universal software created and tested for mass sales;
- More than 20 video analysis modules;
- An open platform with extensive integration capabilities via SDK and HTTP API;
- Support, regular updates and development of the software without additional costs and annual payments;
- Creation of custom functionality for customer needs.

# Sagitech VMS Capabilities



## Technology Highlights

- Supports 5,000+ camera models from 300 manufacturers;
- Integrates with fire/security systems, access control, cash counters, external mics, and more;
- SDK for third-party system integration.

## User-Friendly

- Intuitive interface;
- Setup in just 7 minutes;
- Technical support, software updates and continuous development.

## Cross-Platform Access

- Server and client applications for Windows and Linux;
- Mobile apps for iOS and Android;
- Web client compatible with all browsers.

## Intellectual

- Neural network detectors;
- Intelligent video analytics;
- Open API.

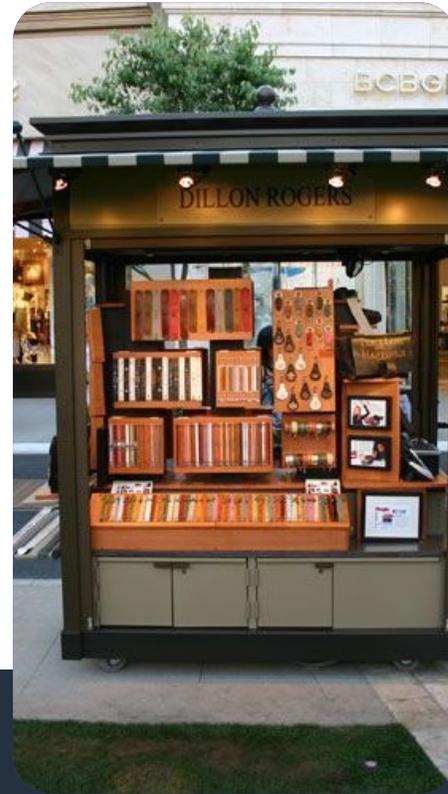
# Retail Applications of Sagitech VMS



**Hypermarkets**



**Retail chains**



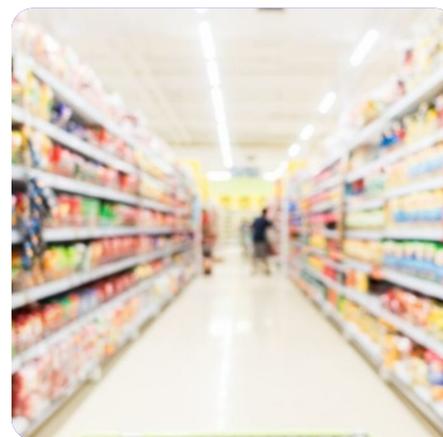
**Kiosks**



**Shopping malls**

# Sagitech VMS Retail Features

- Provides store traffic statistics, determines conversion rates and identifies the most visited departments.
- Monitors the quality of staff performance, prevents theft and fraud, and restricts access to office and staff-only areas.
- Performs centralized and remote monitoring of the situation.



# Sagitech VMS is widely used in retail

## Cash register area

- Fraud prevention;
- Control over compliance with cash discipline;
- Reducing employee errors;
- Reduction of reputational risks;
- Queue management and service quality improvement;
- Optimization of cash desk schedule.

## Sales Area

- Shop windows condition control;
- Staff behavior observation and analysis;
- Collection and analysis of marketing statistics;
- Theft prevention;
- Data collection for merchandising planning.

## Office

- Report generation;
- Store performance analytics;
- Monitoring and centralized process management.

## Entrance Areas

- Conversion analysis;
- Counting unique/repeat visitors;
- Target audience identification;
- Marketing campaign effectiveness evaluation.

## Warehouse

- Theft/damage prevention;
- Warehouse operation monitoring;
- Employee activity control;
- Working hours tracking.

## Parking and Loading Zones

- Vehicle access control;
- Safety compliance;
- Parking spots tracking.

# Analytics and Specialized Modules

## Cash Operation Monitoring

### Capabilities

- Compatible with most POS systems;
- Cashier actions monitoring during product sales and customer transactions;
- Prevention of material loss.

### Benefits

- Lower losses due to employee errors, better discipline;
- Theft/fraud prevention;
- Improved service quality.



# Analytics and Specialized Modules

## Heat Map

### Capabilities

- Demand analysis for areas, stands, and showcases;
- Visitor statistics for different locations;
- People traffic pattern analysis (main route and intensity).

### Benefits

- Optimization of commercial and office space by identifying popular and “dead” zones;
- Visitors’ activity analysis for planning promotions based on visitor hotspots;
- Control of product availability and placement, planning of purchases based on popularity of shelves;
- Optimal staff allocation based on demand during different periods.



# Analytics and Specialized Modules

## Face Recognition for Theft Prevention

### Capabilities

- Identification of suspicious individuals;
- Theft prevention;
- Automatic access control to office premises;
- Integration with access control systems (ASC).

### Benefits

- Automation of access control using biometric data;
- Creating “black” and “white” lists to ensure safety and security of the property;
- Employee operating time and discipline tracking.



# Analytics and Specialized Modules

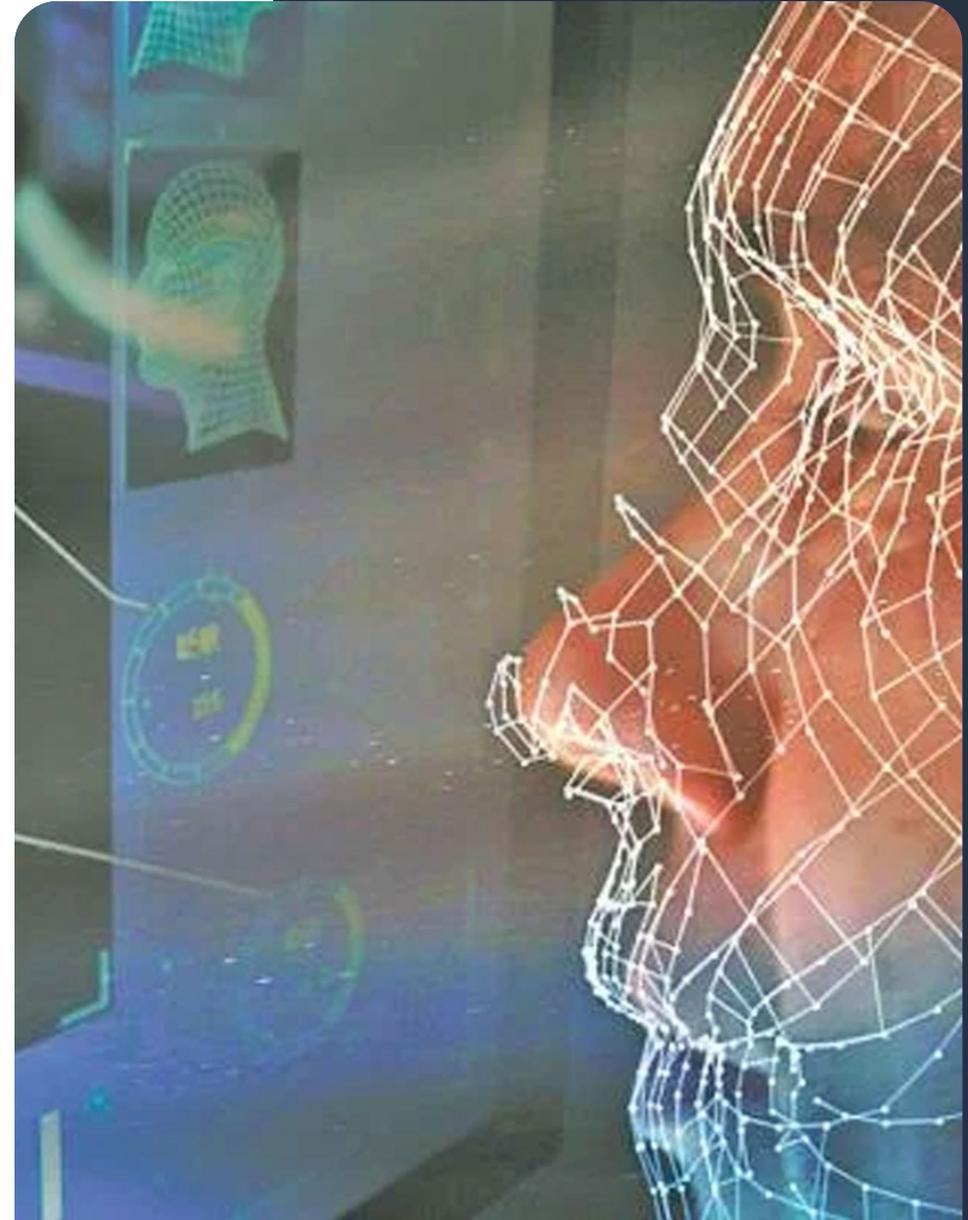
## Face Recognition and Analytics

### Capabilities

- Unique visitors counting;
- Exclusion of staff/partners from statistics;
- Demographic analysis to determine the target audience;
- Real-time statistics.

### Benefits

- Improving the quality of service: identifying VIP clients and offering personalized services;
- Attendance monitoring, sales and footfall analysis;
- Evaluating the effectiveness of advertising campaigns, analysis of showcases and exhibition stands attractiveness.



# Analytics and Specialized Modules

## Queue Detector

### Capabilities

- Queue size tracking;
- Queue flow monitoring.

### Benefits

- Reduced waiting time in queue and improved quality of service;
- Increase of loyalty and repeat purchase percentages;
- Staff schedule optimization;
- Increased efficiency of production processes.



# Analytics and Specialized Modules

## Neural Network People Counter

### Capabilities

- In/out visitor counting using neural networks;
- Movement direction analysis;
- Traffic evaluation.

### Benefits

- Attendance monitoring: determination of sales area conversion, sales forecasting;
- Evaluating staff performance and service level improvement;
- Adjustment of the staff schedule;
- Promotional activities analysis, evaluation of the attractiveness of displays and stands.



# Analytics and Specialized Modules

## License Plate Recognition

### Capabilities

- Occupancy accounting and parking management;
- Automated control of barriers and gates with recognized license plates;
- Detection of unauthorized vehicles;
- Security checkpoint operation optimization.

### Benefits

- Reducing the time spent searching for a parking space;
- Reducing traffic jams at entrances;
- Automated parking load statistics.



# Analytics and Specialized Modules

## QR/Barcode Detector

### Capabilities

- QR code and barcode recognition;
- Goods/packaging tracking in warehouses by barcodes.

### Benefits

- Reduction of manual entry errors;
- High processing speed;
- Integration capability with ERP, WMS, and CRM systems.



# Analytics and Specialized Modules

## Neural Network Abandoned Object Detector

### Capabilities

- Detection of stationary objects;
- Object type identification: bag, packages or backpack;
- Time-based surveillance of an object left unattended;
- Prevention of threats to property and human life.

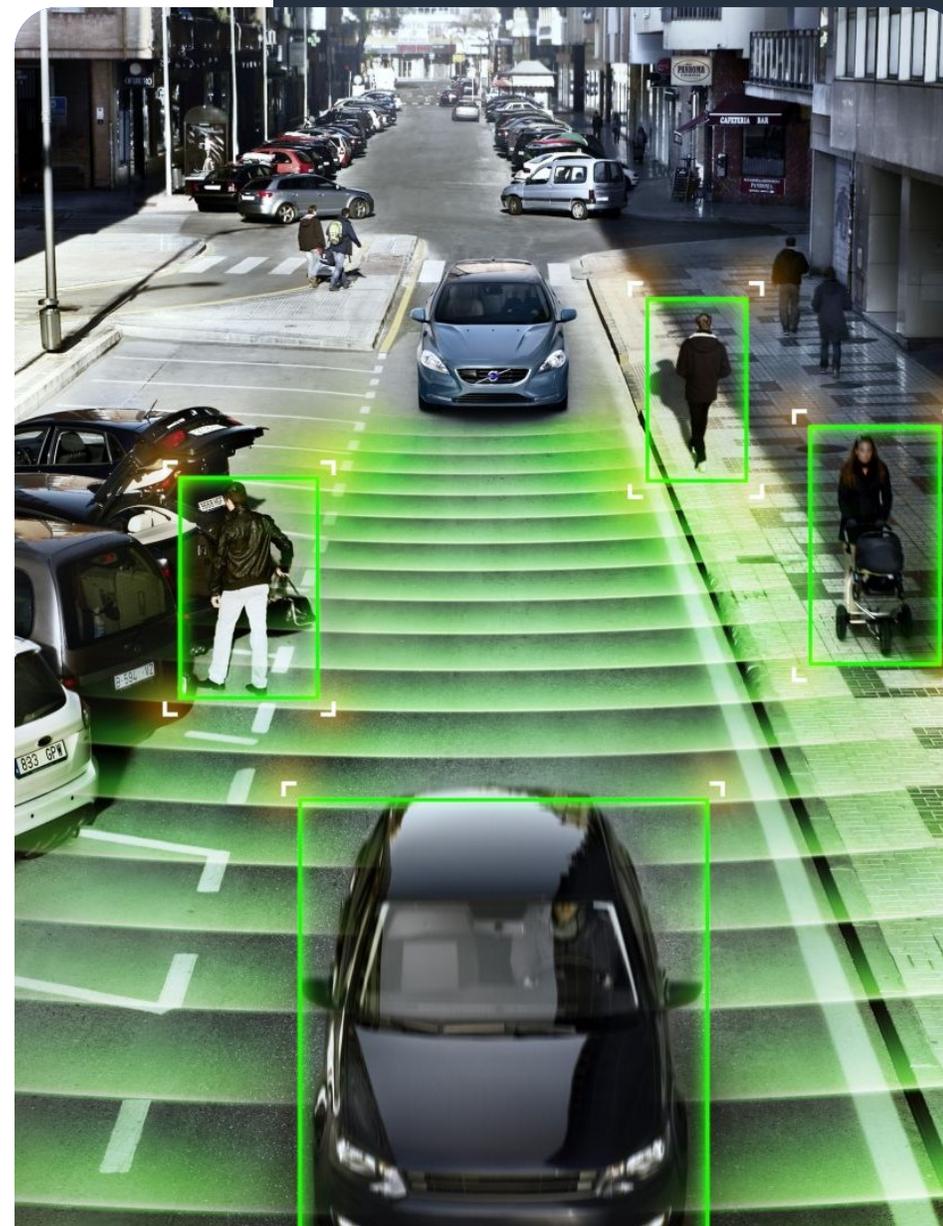


# Analytics and Specialized Modules

## Neural Network Object Detector

### Capabilities

- Object detection and classification: person, vehicle, or animal;
- Movement tracking and theft prevention;
- People detection in the dangerous zone and accidents prevention.



# Useful features of the Enterprise Edition for Retail

Centralized management of the retail network. Consolidation of all stores into a single video surveillance system. Enterprise edition allows you to install a video server in each store and unite them into a single domain for centralized control and management.

## Centralized Control and Administration

- Management of an unlimited number of video servers within a single system;
- Flexible user role assignment for the entire domain;
- Access control policies, updates, proxying, and logging.

## Automatic Equipment Addition

- Fast connection of new recorders to the system - manually or automatically.

## Flexible Access Control

- Role-based access control for viewing, archiving, recording, configuration, and other operations;
- Tree-structured object permissions with inheritance: users only see authorized cameras;
- Centralized configuration of the entire domain;
- Brute-force password protection for stronger security.

## Notifications and Integration

- Event notifications via Telegram and Email;
- Automatic alerts in case of failures or critical events.

## Easy Setup & Updates

- Bulk software/configuration updates across servers;
- Configuration of servers and cameras from client software (no web UI needed).

## Status Monitoring and Control

- Centralized monitoring of the network, disks, cameras, archives and databases;
- Flexible reporting on equipment status and user activity with filtration by time, objects and users.

## Offline Operation

- Temporary disconnection from the central server does not affect critical operative functions of local servers.

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