

# State-of-the-Art Open-Platform Intelligent Video & Security Management System

An all-new enterprise video security management and surveillance platform which combines advanced software and technology developed using years of experience providing solutions to tens of thousands of sites. A balanced and powerful product that meets the demands of any project, whatever the scale or complexity.

Its single management interface enables efficient control of a comprehensive security system, including all cameras, access control, fire and intrusion, lockdown and building controls, regardless of the systems size or if it is distributed across multiple sites.



## Centralized Video Management Architecture

ILS-VMS 3.0 video servers are interconnected inside a domain. The system configuration database is copied to all the servers for distributed storage. This means that there is no single point of failure; even if one of the servers fails, the others will continue to work and provide access to their cameras and recorded video. Supports an unlimited number of cameras, servers, sites and users, allowing you to grow your installation according to your needs. The result is easy control, authentication, and complete management of all sources.

## Fully Integrated Dashboard

No more multiple screens and dashboards for playback and live view. All systems in ILS-VMS 3.0 come together in a centralized management system on a single platform.

### Single Software Platform

- Live View
- Playback
- 3D E-maps
- Lockdown
- PSIM

### Built-In Integration

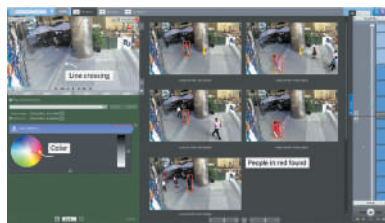
- Fire Alarms
- Access Control
- Burglar Alarms
- Classroom Locks
- Lockdown

### New Features

- No Per Camera Costs
- Bring Your Own Hardware
- Unlimited Expansion
- Centralized or Decentralized
- No Camera Licensing Cost
- No Maintenance Fees
- Fault Tolerance & Failover
- Artificial Intelligence
- Reduced Points of Failure
- License Plate Recognition
- Facial Recognition
- Up to 512 Cameras Per Server
- Full Mobile Support

## Powerful Set of Built-In and Premium Smart Search Capabilities

Near-instant forensic search of recorded and live video



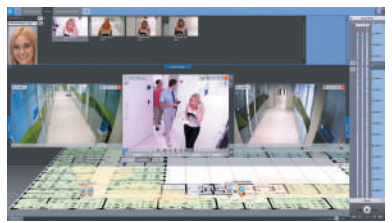
**MomentQuest**  
Quickly find events with multiple criteria including size, shape, color, and direction



**Time Compressor**  
Review an hour of recorded video in just minutes



**ANPR /LPR search**  
Search for video of a vehicle by the license plate number



**Face Search**  
Quickly find faces that match a picture or photo

# Video Management & Investigation

**Control of Video Recording:** Flexible configuration, secure storage and quick access



**Replication of Video Archives**  
Use centralized or distributed storage of video data



**Network Storage**  
Record video on NAS and/or SAN



**Video Export**  
Export to AVI, EXE, JPG, wmv9, and PDF with flexible settings.

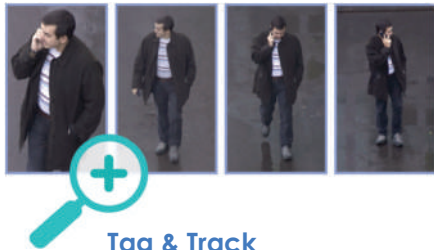
## Live Video Mode



**User-Friendly Interface**  
Maximize the operator's efforts



**Interactive 3D Map**  
Intuitive interface to find the exact location of cameras



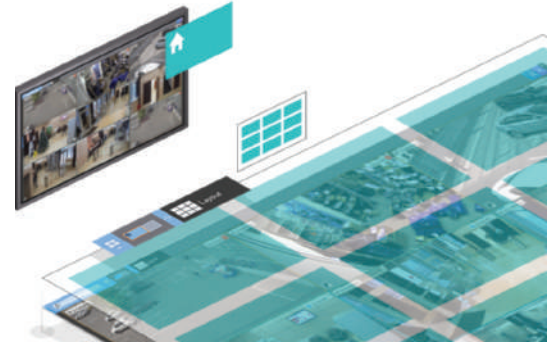
**Tag & Track**  
Use multiple cameras to follow objects



**Autozoom**  
Use digital zoom to track an object

## Hypercluster 2.0

Manage layouts and video walls in a distributed system



## Video analytics

Scene detection tools, advanced facial recognition, camera tampering detection and audio sensors



## Configuration and Administration



**Easy to Add Cameras**  
Motion detection recording by default



**LDAP**  
Conveniently manage users in a corporate system



**Bulk Configuration of Cameras**  
Set up large CCTV system in no time

## Open System Architecture & Remote Access

ILS-VMS 3.0 is built to empower you by tying into any third-party systems using open architecture driver creation tools. Support includes XML, ODBC, various API's and SDK's, SNMP, OPC, web services, OnVif protocol and SQL Database integration. The software's flexible and open architecture adapts to your organization as your business and demands change. It scales to work for any organization from very small businesses to very large enterprises offering certainty that your video system will keep pace as conditions evolve.



### Mobile Client and Web Interface

Access the system from iOS or Android devices, or in a web browser

### Redundant Centralized or Decentralized Architecture

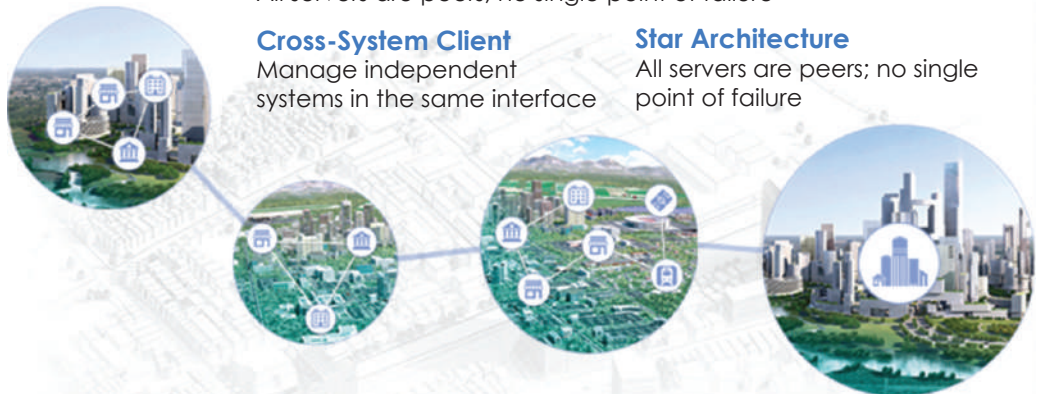
All servers are peers; no single point of failure

### Cross-System Client

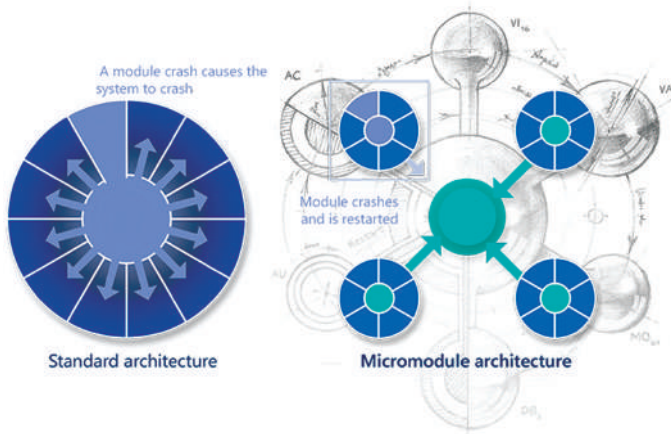
Manage independent systems in the same interface

### Star Architecture

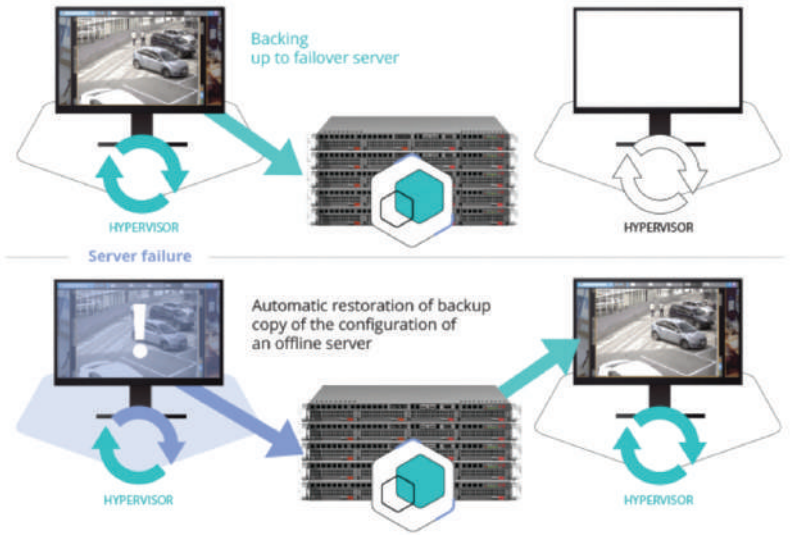
All servers are peers; no single point of failure



## Reliability and Fault Tolerance

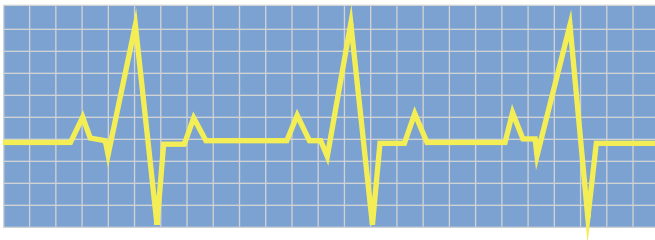


**Micromodule-Based Architecture**  
Increased stability and robustness



## Vital Sign Monitoring

Every 15 minutes, your system checks in using the Vital Signs Monitoring tool. The VSM system monitors every server, cameras, and also monitors advanced components of the system, including hard drive storage, system temperature, time synchronization, power and TV lines, as well as many more advanced vital sign functions.



## Smart Social Media Integration

ILS-VMS 3.0 easily integrates with third-party social media awareness tools to efficiently monitor Facebook, Snapchat, Instagram and Twitter. You will know about and understand threats and issues faster by creating keywords and geo-boundaries to provide custom, automated alerts whenever terms are used during social media posts.

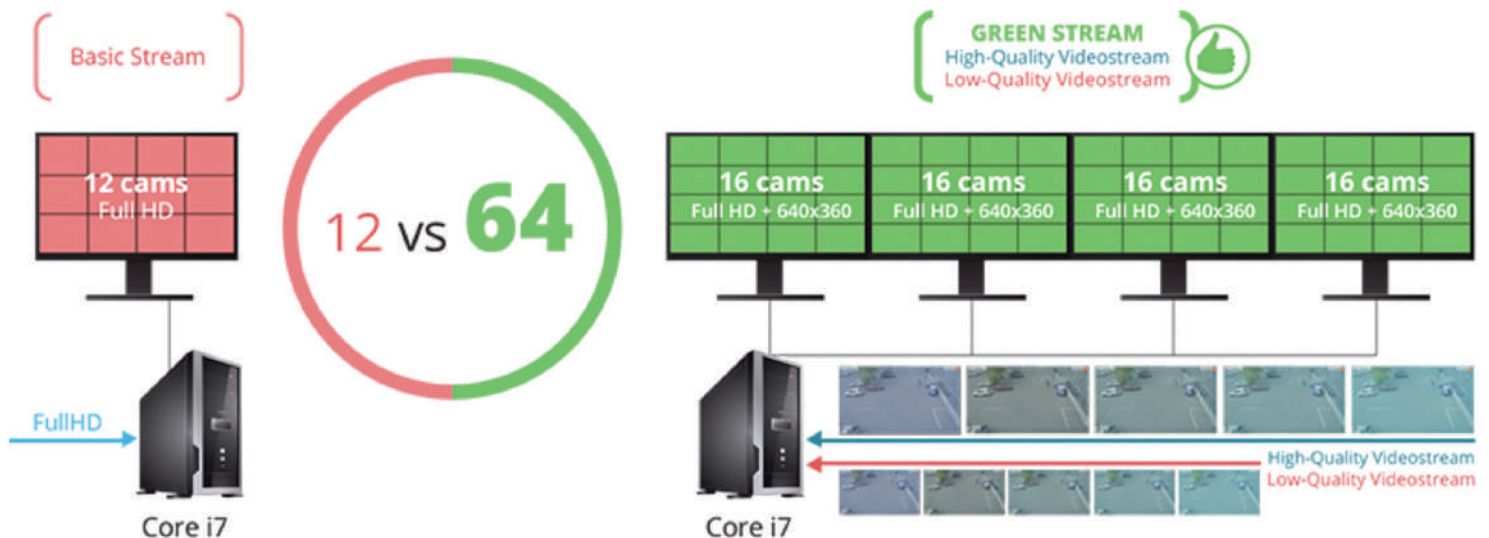


## Performance and Optimization of Resources

**GreenStream Technology**  
Automatically selects the optimal video stream for the screen resolution

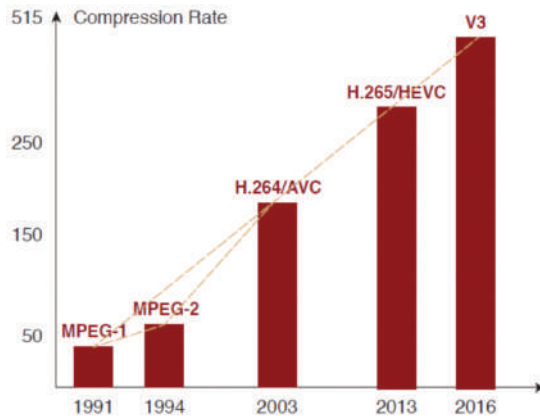
**UDP and multicasting**  
Frees up network bandwidth

**Motion Wavelet codec**  
Adapts to efficiently stream video from the server to the client



## Low Bandwidth Compression

Using the V3 Compression video is streamed in real time using 1/32 of the bandwidth of a traditional VMS System. V3 streams 32 cameras using the bandwidth of 1.



## Seamless Integration and Automation

ILS-VMS 3.0 allows the integration of access control, fire/security alarm and perimeter security infrastructure to the integrated platform



### Manage Events

Interaction with third-party systems



### Macros

Customize automated responses to events

## Hardware Support

### Support for IP devices

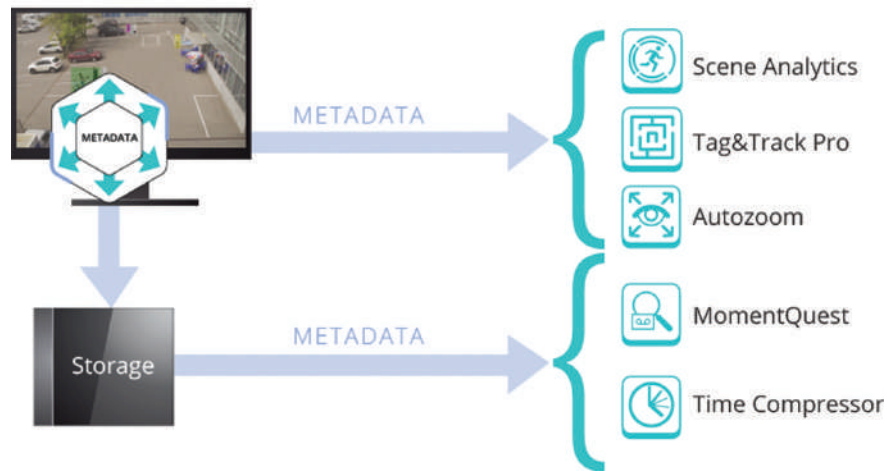
Support for over 9,900 device models

### Edge storage on IP devices

Access to on-board storage of recorded video

### Metadata for IP devices

Receive and process data on moving objects in the FoV



## Recommended Hardware Specifications:

CPU	RAM, GB	Operating System	Graphics Card	Server # of Cameras per Server (recording on motion)	Work Station # Cameras per remote viewing client
Intel Celeron J3455	8	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	40	12
Intel Core i3-7100U	8	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	90	24
Intel Core i3-7100	16	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	150	36
Intel Core i5-7600	16	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	250	48
Intel Core i7-7700k	32	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	350	80
Intel Xeon E3-1220v5	16	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	180	
2x Intel Xeon E5-2609v4	32	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	320	
2x Intel Xeon E5-2620v4	32	Microsoft Windows 7 Pr & Windows 10 Enterprise 32/64	NVIDIA GeForce 200 or higher, AMD Radeon HD 6000 or higher	512	

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Want A Test Drive? Need Help On How To Upgrade? Don't Worry, We've Got You Covered.

Call or Email Now: **516-799-7061** • [sales@intralogicsolutions.com](mailto:sales@intralogicsolutions.com) • [ILSNY.com](http://ILSNY.com)

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