

# AIR-VMS Symphony™ 7

Intelligent Video Management Software



## FEATURES AND BENEFITS

### Low Total Cost of Ownership

- Highest camera density per server (recording/storage optimization)
- Flexible licensing
- No artificial camera limits
- Built-in server and storage failover
- Centralized cloud management via AIR-VMS Enterprise Manager™

### Easy to use

- Web-based administration
- Customizable Windows® operator client
- Web and mobile clients
- Intuitive video analytic configuration

### Open ecosystem

- Runs on off-the-shelf hardware
- Broad device support
- ONVIF Profiles S and G
- REST API
- End-to-end SSL encryption

### Intelligent video analytics

- Native video analytics for alarm generation and business intelligence
- Available individually or bundled

AIR-VMS Symphony 7 is the new benchmark for intelligent video management software (VMS). With its scalable architecture and the highest camera density per server of any VMS, Symphony is the ideal solution for deployments of all sizes.

Symphony is easy to install, configure, and operate. It includes intuitive operator, browser, and mobile clients, while administration is handled via a built-in web interface.

### Open ecosystem

Symphony installs on off-the-shelf hardware. It supports thousands of network devices as well as industry standards, including ONVIF profiles S and G.

Out-of-box integrations with PSIM, intrusion, and access control products improve operator efficiency by delivering a seamless view of events.

Its REST API prevents vendor lock-in while end-to-end encryption ensures security.

## Low Total Cost of Ownership

Symphony delivers the lowest Total Cost of Ownership by consolidating servers, reducing Microsoft licensing, and improving user efficiency:

- Multi-server architecture eliminates the need for dedicated management servers (recording servers assume this responsibility).
- Optimized for both recording and streaming video.
- Embedded server failover functionality simplifies configuration and eliminates the need for Windows® Clustering.
- Native video analytics reduce server footprint by eliminating dedicated analytics servers and improving operator efficiency.



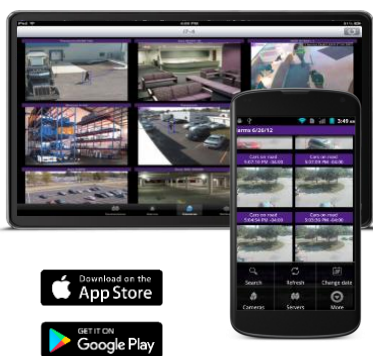
Scalable, intelligent video management



## Easy to use operator interfaces

Symphony includes several options for viewing video:

- **Windows® operator client** – Dedicated for video and alarm management, it offers a decluttered, video-centric design. Controls are shown based on device capability and user permissions, including PTZ controls, access control, intrusion sensors, two-way audio, and general I/O.
- **Web interface** – An HTML5-compliant web interface replicates key VMS functionality, including video playback, camera control, event timeline, and reports.
- **Mobile apps (iOS and Android)** – Supports live video and playback, video analytics, PTZ control, and alarm management. Each app can connect to multiple servers, enabling a user to remotely monitor several deployments.
- **Video wall** – Included with an enterprise license, enables a highly customizable layout driven by video analytic rules, manual configuration, and camera drag-and-drop.



Free mobile apps are available from the App and Play stores

## Native analytics

Symphony has been developed from the ground up to support video analytics. Server-based or embedded analytics are seamlessly supported, as well as third-party applications through the metadata engine.

Analytic applications include motion tracking, auto-PTZ tracking, face recognition, license plate recognition, left/right removed object detection, and people counting. For a complete list, refer to AIR-VMS's *Video Analytics* datasheet.

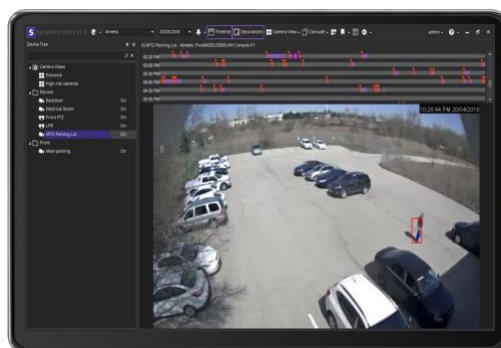


Fully integrated built-in analytics

## Intelligent search and investigation

Symphony includes a graphical timeline and intelligent search capabilities. By leveraging events and metadata generated by its video analytics, operators can quickly find, review, and export video containing specific events or people.

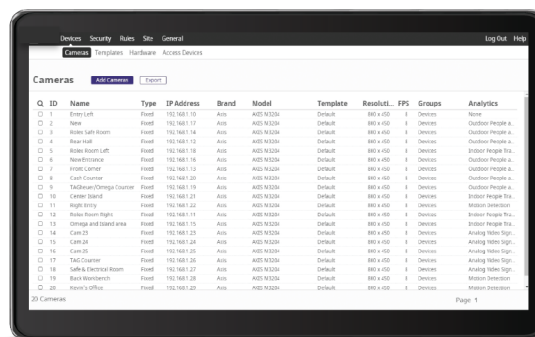
Comprehensive reports, including operator activity, event history, and video analytic results, can be also generated and exported.



Timeline graphically shows events, color-coded by type

## Browser-based administrator client

Administration is handled via a browser-based client, eliminating the need to install and maintain a separate Windows® management application. The client can be accessed anywhere in the world over high security SSL encryption. Reusable templates and rules speed up the configuration of large deployments.



Simple and efficient browser-based administration

## Centralized cloud management

Through the use of AIR-VMS Enterprise Manager™, Symphony can be managed centrally, which dramatically reduces the administrative burden typical in multi-site deployments.

Software updates, configuration, and health monitoring can all be centralized ensuring a strong and up-to-date video deployment, while limiting downtime and operation costs.

## Technical Specifications: Symphony Windows Client

	Standard License (single server)	Professional License (multi-server)	Enterprise License (high availability)
<b>Core Features</b>			
Supported operating systems	Windows 7, 8, 10		
Number of concurrent server connections	unlimited	unlimited	unlimited
Customizable user interface	unlimited	unlimited	unlimited
Graphical timeline	■	■	■
Hierarchical site map navigation	■	■	■
Camera list navigation	■	■	■
Cameras from multiple servers and sites	■	■	■
Multi-monitor support	■	■	■
Camera sequence	■	■	■
Panoramic (360-degree) support	■	■	■
Manually trigger outputs	■	■	■
Advanced video analytic search (intelligent search)	with add-on	with add-on	with add-on
Integrated messenger	■	■	■
Alarm console	■	■	■
Video export	■	■	■
Bookmark events	■	■	■
Alarm log	■	■	■
Remote support module	■	■	■
Multilanguage	■	■	■
Basic map support	■	■	
Dynamic GIS map support			■
<b>PTZ Support</b>			
Manual movement control	■	■	■
Point and click control	■	■	■
Zoom on marked area	■	■	■
Go to preset positions	■	■	■
Joystick support	■	■	■
<b>Virtual Matrix</b>			
Customizable multi-camera layouts	■	■	■
Configurable display options (fixed)	■	■	■
Configurable display options (motion)	■	■	■
Configurable display options (alarm)	■	■	■
<b>User Access</b>			
User monitoring	■	■	■
Permissions per user	■	■	■
Permissions per user group	■	■	■
Security profiles	■	■	■
Microsoft Active Directory		■	■
Cross-domain authentication		■	■
Restrict simultaneous logins		■	■
Supervisor logins		■	■
<b>Reports</b>			
Login report	■	■	■
Alarm counts and statistics	■	■	■
Object count reports (e.g. people, vehicles)	with add-on	with add-on	with add-on
Heat map	with add-on	with add-on	with add-on

## Technical Specifications: Symphony Server

	Standard License (single server)	Professional License (multi-server)	Enterprise License (high availability)
<b>Core Features</b>			
Supported operating systems	Windows® 7, 10, Server 2008, 2012, 2016		
Number of cameras per server	unlimited	unlimited	unlimited
Number of concurrent client connections	unlimited	unlimited	unlimited
Multi-server (server farm)	–	unlimited	unlimited
HTML5-compliance web client	■	■	■
Mobile application (iOS, Android)	■	■	■
Server virtualization	■	■	■
2-way audio	■	■	■
Unicast, multicast and multistream support	■	■	■
Network video support (MJPEG/MPEG-4/H.264)	■	■	■
Device packs	■	■	■
Automatic software updates	■	■	■
Multilanguage support	■	■	■
Customizable user access levels	■	■	■
Time-based access to recorded video		■	■
Automatic server failover			■
Video wall			■
<b>Storage and Archiving</b>			
Record locally or to edge/network storage	■	■	■
Record on motion (from camera), schedule, alarm and continuous	■	■	■
Redundant recording			■
Failover recording			■
<b>Management</b>			
Automatic camera detection	■	■	■
Centralized device management	■	■	■
Automatic configuration backups	■	■	■
Uninterrupted configuration changes	■	■	■
Remote diagnostics	■	■	■
SNMP health monitoring	■	■	■
CPU overload protection			■
Cloud management	Requires AIR-VMS Enterprise Manager		
<b>Integration</b>			
External I/O devices	■	■	■
Generic events via TCP/IP	■	■	■
Alarm panel	■	■	■
Access control		■	■
Server API/SDK		■	■
OPC data access support		■	■
<b>Alerts and Notifications</b>			
Mobile devices (iOS and Android)	■	■	■
I/O devices	■	■	■
Email notification, FTP, TCP	■	■	■

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