

Video Central Management System (CMS) software

wysLink CMS is a comprehensive video central management platform designed for multi-sites enterprise applications that demand the integration and management of thousands of surveillance cameras from one location. wysLink CMS utilizes a Windows Server or a PC as a video recorder. The software mainly consists of Windows client applications for the surveillance station and for the video server application. Multiple servers (NVRs) are connected via local area networks or the internet with multiple layers to fulfill project needs. The surveillance station is a modern and powerful desktop client that can be used to access the server from anywhere to check live or recorded videos and to receive alerts in real-time. wysLink CMS is flexible, scalable, reliable, and suitable to be deployed at any site such as factories, retail chain stores, schools, airports or government buildings.



Wyslink CMS has been designed with security and privacy in mind, making it ideal for sites such as schools, health clinics, etc. where privacy of sensitive information is a priority. It is a closed system which operates without relying on any third party servers.

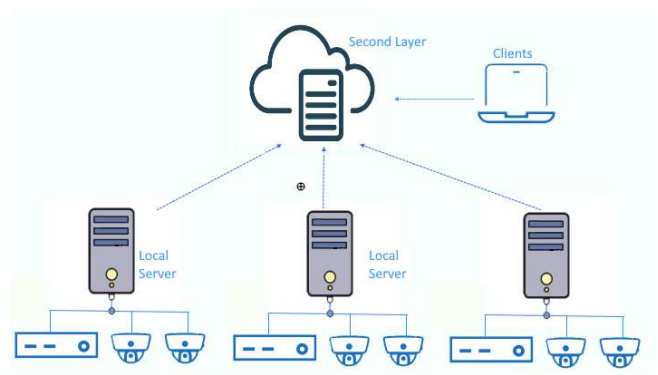
WysLink CMS is a Canadian developed software solution and all the source codes are developed in-house. Consequently, there is little to no possibility of malicious access to the software.

FLEXIBLE server system deployment

The system is deployed with pyramid layers, the video can be recorded at local server, or at servers of higher layers. Live video can be accessed from the server where the video stream is configured.

Small size business:

For small or medium business, one local video server connects with video recorders, or network cameras. A user friendly interface lets you manage and monitor IP cameras in your shop or office.

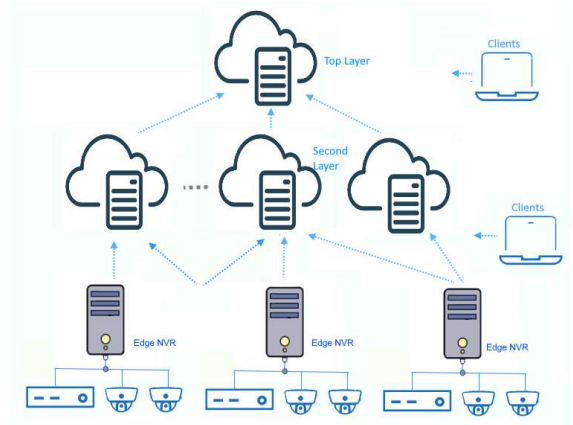


Medium size system:

For factories, multiple locations of branches, stores, etc. One or multiple NVRs are deployed at local, and a second layer server (s) is deployed at remote. Video can be stored at local, remote server or both.

Large-scale deployment:

3 layer pyramid structure for Airport, public traffic line, municipal facilities, or mega factory production line. One or multiple NVRs (first layer) are deployed at local, second layer multiple servers are deployed at remote locations and top layer server connects with all second layer servers. So that videos of live and recorded from any cameras in the system can be accessed from the top layer server.



Secure, and reliable server system

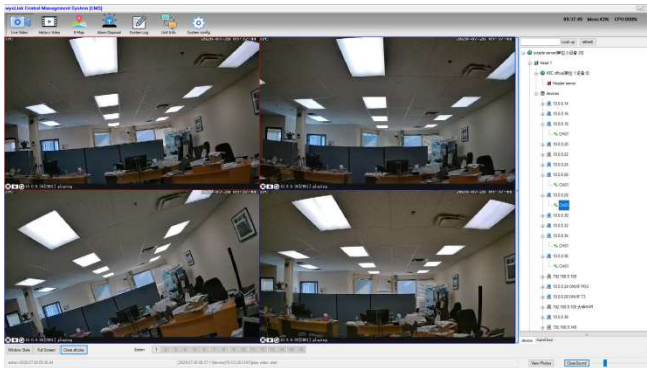
The system is a **CLOSED** system, there is **NO ANY HIDDEN ACCESSES** allowed to third party servers, including our servers, which are big concerns of system stability and safety. Actually in the market, most of VMS software from camera makers or our competitor’s work relying on other servers on the internet which even you don’t know the owner and region in the world.

Videos are streamed by TCP packet, and guarantee a seamless streaming and recording for all the time as long as the network is stable. The video can be configured to be recorded at multiple servers local or remote with different video lifetime, so it reduces the risk of data loss or other possible damages when server error. It easily reconfigures video stream flow to other servers when server fails out.

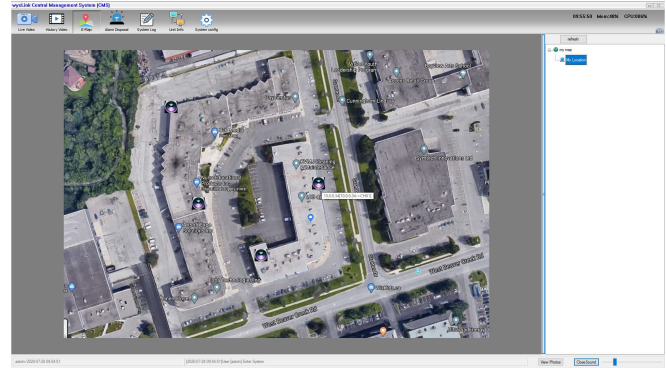
Powerful windows client application

By the windows desktop client, both the live and recorded video can be played. It supports grid video display up to 32 channels, and can extend to 16 TV wall screen displays; supports tree view, and map view where the camera is selected by clicking the location on the map.

Recorded video can be played back quickly and tracked the changes during your IP camera’s watch time. It can be played back individually, or multichannel synchronized.



4 Channel video display



Select from maps



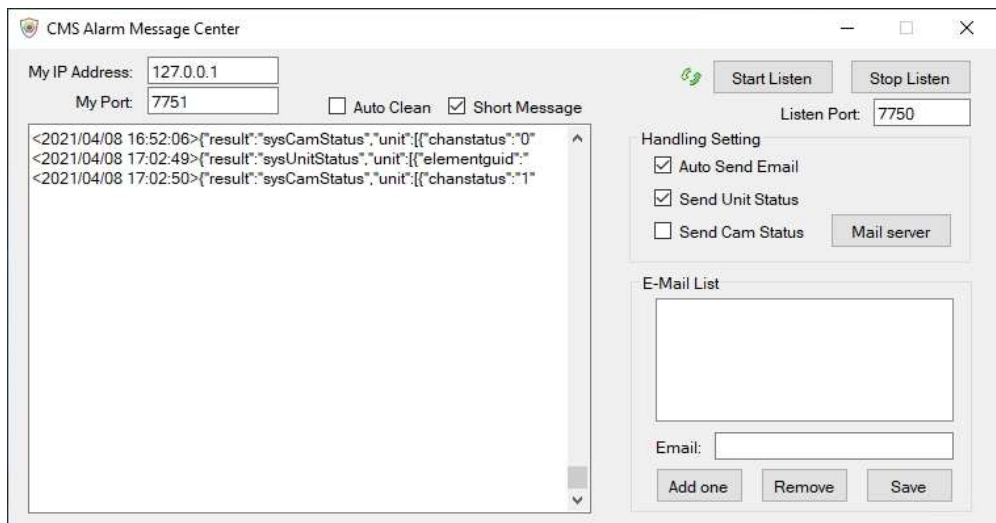
36 channels display grid sample from our customer (* To protect privacy, the image has been blurred)

Open-Platform integration

The server system has been integrated with IP cameras from several big makers by API provided by them. Meanwhile it is an open platform, giving you the flexibility to use existing cameras or select cameras from most of makers. The system is designed to meet open standards for easy interoperability with third party software and hardware by ONVIF protocol.

Alarm and Message Center

Alarm message function works inside the CMS server and client application, besides this, there is separated Message Center server application, which collects all alarm signals, as well as system irregular events like camera stream long time stop, server stop, send



email or text message to system administrators, and web console panels.

Connected with video analytics or other applications

In our software package, as an option, Video Analytics Application (Not released) is provided. Video footage from the system is deeply analyzed, and it outputs real time notification and statistical report, the functions are like people or vehicle detection, people counting, intrusion detection, etc. so the system can enhance the security without requiring additional personnel.

The system includes the application programming interface (API), and sample program. It accesses any channel's RTSP video stream, and records videos, shows the video, and decodes it to bitmap images of each video frame. So you can do the video analytics as per your requirements.

We are proud that all the software is from us, we have strong R&D, engineering teams to accept the development job to customize your system, or offer the R&D support to your development teams.

Stream PC Monitor video to CMS

A utility application software is provided to stream the PC monitor screen video, or webcam video to the system, which can run at front explicitly or at background. Our customers use it the monitor the equipment monitor displays, some customers use it to keep logs of each PC activity.

Other main features

- Flexible server deployment

- Visualized operation with interactive map and video wall
- Efficient response with an intuitive alarm management interface
- Flexible evidence handling, fast event response
- Support cameras from most of vendors
- PTZ Controls
- Low Bandwidth Adaptability
- TV wall display, up to 16 TV screens
- Window division allows each monitor to display 1 to 36 windows

Server and Client PC requirements

wysLink CMS requires the edge NVRs and the remote host server delivering a certain level of performance which may be affected by the number of paired recording servers and the IP cameras in the CMS architecture. It is thus essential to select a suitable product as the CMS host server to deliver a good performance of overall operations. Following aspects are considered

- Video stream resolution and frame rate
- Data usage bandwidth if rental a server
- Bandwidth & Connectivity of server and LAN to Ethernet.
- Disk volume and RAID
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Either select from our eNVR series production, prepare the servers by customer self.

About windows client application, it can run on most PCs with windows 7, or higher, with almost no specific requirements. However if clients need access to videos more than 32 channels, the PC video display performance needs to be considered.

We are happy to offer detailed consults to help you deploy the best system.