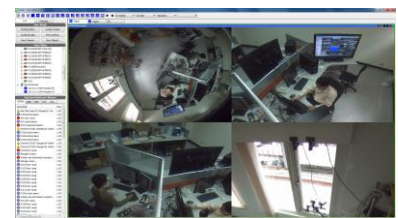
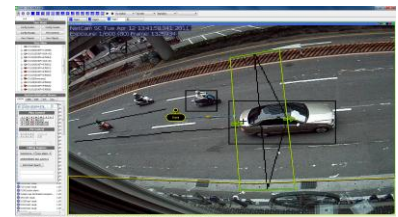


# Professional IP Surveillance VMS

All-in-One IP Video Management Software (NVR/CMS/IVS/360°)

## Key Features

- Automatic disaster recovery of video data.
- Support ONVIF motion detection, PTZ, digital input and output control.
- Support multi-core CPU suitable for performance demanding tasks.
- Full remote control through Internet Explorer.
- Multiple polygon regions motion detection.
- Online system configuration change.
- Graphical activity diagram display in real-time.
- Support mobile apps: iPhone/iPad/Android.
- Instant playback up to 512x times with video search function. (Optional)
- Multi-layer central management architecture. (Optional)
- Distributed video analytics architecture. (Optional)
- 360° Panorama functions during live and playback. (Optional)



## Software Feature Matrix

	Lite	Professional	Intelligent	Panoramic
Full remote control	✓	✓	✓	✓
Remote control through Internet Explorer	✓	✓	✓	✓
Multiple monitors	✓	✓	✓	✓
512x Smart Search		✓	✓	✓
Central management system		✓	✓	✓
Event and trigger rule management		✓	✓	✓
Mobile apps	✓	✓	✓	✓
eMAP	✓	✓	✓	✓
Export video to AVI	✓	✓	✓	✓
Software motion detection	✓	✓	✓	✓
Visual tamper detection	✓	✓	✓	✓
Object counting			✓	
Missing object/foreign object			✓	
Panorama view				✓
Panoramic digital PTZ				✓

\* Specifications are subject to change without notice.

## Video Management Software Features

### Display

Display mode	1, 2, 1+3, 1+4, 1+5, 1+7, 1+9, 1+11, 1+12, 1+15, 2x2, 3x3, 4x4, 5x5, 8x8, 16x16 maximum 256 views
Digital PTZ	Digital pan-tilt zoom during live and playback. Support mouse wheel.
Instant playback	Switch to playback mode from live.
OSD	On Screen Display of meta-data information, including: timestamp, bps, Fps, playing state, recording status.
Tour	Sequence tour.
Multiple monitors	Maximum 6 monitors.

### Recording and Playback

Speed	1/2/4/8/16/32/64/128/256/512x and slow motion speed control.
Frame-reduced recording	Record at a significantly low frame-rate when there is no event to extend storage usage.
Synchronized playback	25-channel synchronized playback at the same time. Also supported in remote console.
Graphical time-bar	Graphically displays video data/event/storage size/activity on time-bar.
Motion detection	Support both hardware and software-based motion detection.

### Event and Trigger

Flexible policy engine	Allow any logic combination (AND/OR) of conditions to trigger predefined actions.
Trigger conditions	Trigger conditions include: system start, configuration change, video loss, DI/DO change, recording changed, alarm, and motion.
Event log	Triggered event will be recorded into an event log.
E-mail with split-view	Email notification with snapshot aggregating multiple channels in a split-view image.

### Export Function

Export to AVI	Export video clips to AVI format.
Export footage (XGV)	Export multiple channels into single file.

### Security

Multi-level permission	Unlimited levels of permission to set group according to required functions.
User right control	Account/password defined with associated permission control.
Digital watermarking	Protect and detect video data against digital tampering.

\* Specifications are subject to change without notice.

\* Mobile APP does have all functions. See AppStore for more details.

\* NVR Lite Edition is restricted to 64-channels per server.

\* Operational performance is limited by actual hardware. Please perform proper testing before purchasing.

### eMap

eMap manager	Intuitively navigating (pan-tilt-zoom) to cameras. Edits map and choose arbitrary location and angle of a camera icon which reflects the camera situation in real-time.
Google map	Integrate with Google map.
eMap control and monitor	Control DI/DO, monitor and manage device status, and process alarm directly on eMap.

### Remote and Mobile Functions

3GPP mobile device	Live video streaming to 3GPP mobile device.
Remote client application	Perform live viewing, playback, and all other features through remote client application.
Internet Explorer	Perform all features through remote Internet Explorer.

### Central Management

Multi-site management	Connect to multiple servers to perform all kinds of remote tasks.
Live and playback	Allow live viewing and playback search on all managed servers.
Integrated security	Automatically synchronize all user credentials and permissions among managed servers.
Multi-layered structure	Allow multiple-layer of management servers to increase manageability and flexibility.
Remote control	Remotely control the central server with full functions.

### PTZ Control

PTZ management	Manage pan, tilt, zoom operation with speed control.
Preset position	Go to, set, clear preset positions and patrol on preset positions.
Mouse PTZ	On-screen pan-tilt-zoom with mouse and wheel operation.

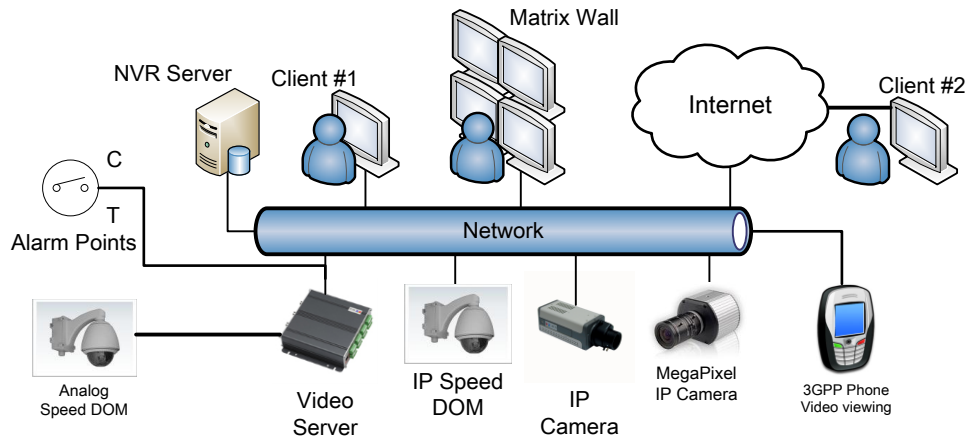
### Intelligent Video Content Analysis (Optional)

Visual tamper detection	Trigger alarm when image gets blur, lose focus, or tampered in other ways.
Counting	Double-tripwire directional object counting.
Missing object	Detect objects missing from an original place.
Foreign object	Detect loitering objects in the monitoring area over a certain of time
Statistics report	View counting in various scale (per minute, per hour, per day)

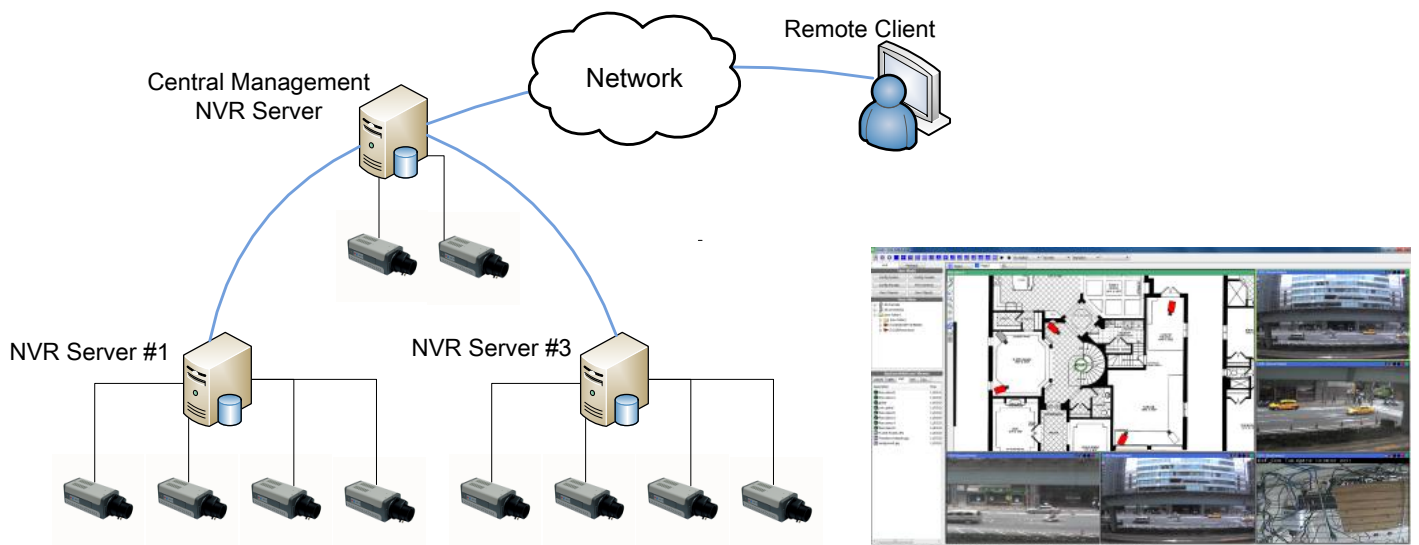
### 360° Panorama (Optional)

Panorama view	1/4/5 split views with combination of panoramic/rectilinear/cylindrical views
Panoramic digital PTZ	Panorama digital pan-tilt-zoom during live and playback.

## Solution Architecture Overview



## Central Management System – Multi-layered Architecture



## Supported Brands



\* Support for specific models and features please refer to our web site.