



Professional Network Video Management and Recording Software

- Fully-featured Client application
- Server can run as a Windows Service
- Unlimited Number of Cameras can be added to a Single Server
- Two-Way Audio and PTZ Control
- Multiple Compressions (H.264, MPEG4, MJPEG, JP EG)
- 1350+ devices from 90+ manufacturers
- Easy IP Camera Configuration using Auto detection
- Full range of Versions (4CH~Unlimited)
- Camera Mapping and Watchdog Function
- Various Layout Options including Custom Layout

Key Features

Fully-Featured Client Application

All functions may be controlled both locally and remotely. Anyone operating the client application can connect to the server, access live and recorded video, change settings, etc. in accordance with granted user rights.

Server as a Windows Service

This feature allows the running VisionHQ server to go virtually unnoticed. Also the server can run without logging in, so the security of the server is not compromised. Server can run as a standalone server using Windows exclusive-mode.

Unlimited Number of Cameras

The Unlimited Version imposes no limitations on how many cameras can be connected to a server. Although hardware performance cap from CPU productivity and network bandwidth would limit the actual number of network devices, it may still connect to nearly hundred cameras on one server. However, these limitations will be resolved as hardware efficiency grows.

Efficient CPU usage

If used in connection with network/IP cameras, network video servers or directShow devices, the server will not use the power of the CPU to digitalize video and audio; this means that the CPU usage will be low enough to avoid interference with other software applications enabling the user to use the server for various applications in conjunction with video monitoring.

Interoperability & Flexibility

VisionHQ supports various IP device standards such as ONVIF, PSIA, etc. This will provide interoperability between network devices from various manufacturers in the same system and "speak the same language". Moreover, these standards will ensure future-proof status of the device no matter what happens to individual company.

Multiple Compression

VisionHQ server supports various video compressions such as H.264, MPEG4, MJPEG, and JPEG.

Major Brands of Network Security Devices

Network (IP) devices over 1350 from more than 90 manufacturers are supported. The list of supported IP devices is growing rapidly upon request.

IP Camera Configuration

All IP cameras on the LAN may be configured via auto search wizard. Using the wizard a user is able to find all network IP cameras available within the network. A user can configure them and connect them in no time.

TCP port

VisionHQ uses TCP port and this port can be configured to custom port number between 1 and 65535. The default is 60554.

2-Way Audio

VisionHQ supports two-way audio on supported IP cameras by KT&C, Sanyo, Axis, Etc.

PTZ Camera Control

Pan, tilt and zoom cameras can be fully configured and controlled within the Client application.

Free Software Upgrades

VisionHQ offers free software upgrades. When a new update version is available, VisionHQ client-Server is equipped with an auto detection that will notify the server or remote pc that a new version is available. New versions are listed on our FTP site (http://www.ktnconline.com/ktnccpartner/product_data/visionhq/). During installation a wizard shall guide the user all the way through the installation for both the server or the client installation.

Advanced Features

Continuous Recording

No tapes to be replaced with its overwriting feature; recording operation uses FIFO Technology (First In, First Out).

Motion-Controlled Recording

With this option, user can set specific motion recording frames. ((ex. You can make VisionHQ record 1fps when no motion is detected and 30fps when the motion is detected).

Motion Detection

Each camera may be set to detect motion. No additional hardware is required for motion detection; Motion detection is performed solely on a software based level. However, motion information provided by the network devices/cameras can ease the system load dramatically. Triggered by motion, a camera can perform numerous operations and is not limited to only recording video. Motion activated recording supports an unlimited number of motion zones that each have unique sensitivity settings. View results in real time for easy setup.

- Label each motion zone to trigger actions.
- Event log allows quick review of video associated with motion or alarm events.

Multiple Clients to Single Server / Single Client to Multiple Servers

Depending on editions and user management settings, 1 to unlimited number of local and remote client applications may access to a single server to receive live and recorded video, as well as perform other operations. Depending on user name limitations, the user may be able to do everything or may be limited to certain access only. Also a user of the client application, if granted sufficient privileges, may connect to an unlimited number of servers to view live and recorded video as well as perform other operations.

User Management

It controls access to cameras and program features. Depending on user level, user can be either allowed or denied access to software abilities and features such as administering server, camera viewing, remote connection, playback, archive, data deletion and more.

Video Adjustments

Video adjustment can adjust each camera with its own settings locally and remotely. The user can set adjustments for brightness, contrast, saturation, sharpness, and hue as well as the image quality and compression settings on each camera.

Watchdog

Advanced watchdog operations which is located in maintenance settings can be configured to periodically restart server services to clear any possible problems which could degrade server system performance, triggers a system reset for any possible error such as a hang.

Mapping

Create map layouts on either Google maps or using a jpeg map. A user can place camera markers anywhere on a map for easy navigation of cameras.

Layouts

Create custom layouts by grouping cameras from different VisionHQ servers/locations into groups for more efficient monitoring, and better management. Drag and drop cameras from a server or multiple servers to custom layouts.

Layout Sequences

Layouts can be used for sequencing. Layout sequences can be set in custom time intervals with custom layout priorities. Multiple Sequences can be created and activated at any given time.

Adjustable Screens

View more than 32 cameras? Adjust the VisionHQ window and open multiple instances. Open as many as your monitor can handle or you can view.

Display Mode

1 camera (full screen) layout
4 camera (2 x 2) layout
6 camera [2x2 + 1(large view)] layout
8 camera (7 + 1(large view)] layout
9 camera (3 x 3) layout
10 camera (8 + 2(large view)] layout
13 camera (12 + 1(large view)] layout
16 camera (4 x 4) layout
25 camera (5 x 5) layout
36 camera (6 x 6) layout
48 camera (6 x 8) layout
54 camera (6 x 9) layout
49 camera (7 x 7) layout
64 camera (8 x 8) layout
96 camera (8 x 12) layout
81 camera (9 x 9) layout
100 camera (10 x 10) layout
108 camera (9 x 12) layout

Digital Zoom

VisionHQ enables user to digitally zoom in and out in both live and archive viewing.

Multiple Resolutions

VisionHQ supports numerous increments from the lowest resolution of 320 x 240 (CIF) to the maximum resolution of 2592 x 1944 (5MP).

Part No.: VisionHQ

User-Friendly Wizards

Wizards makes VisionHQ easy to use and configure. All commonly used operations, such as adding access to new server from the client application, searching for network cameras within a LAN, user management, etc. can all be performed via the VisionHQ intuitive wizards. This helps the average computer user to work with very advanced features effectively.

- Add a new connection to the VisionHQ server
- View or modify Server connection properties
- View or modify server User permissions (camera by camera)
- Add, Configure or delete camera device
- Configure export of video frames
- Open Server Archive
- Manage server Watchdog settings
- Camera status report
- View or modify server recording properties
- View or modify server TCP communication properties
- Submit a problem report
- Automatically discover network video devices
- Backup server archive data

Compatible Operating Systems

VisionHQ can be running in various version of Windows.

- Microsoft Windows 7 (all versions)
- Microsoft Windows XP (all versions)
- Microsoft Windows Vista (all versions)
- Microsoft Windows Server 2003 2008

Export Settings

VisionHQ saves connections and settings that can be exported and opened on any computers running the VisionHQ client application (configure one client with all your connections and import database to unlimited computers).

Also using our CD/DVD export wizard, archived video(with audio) and snapshots can be opened from any computer without the need of codec or the need of any playback software.

VisionHQ client's built-in properties would support most of widely used codecs.

Full Range of Versions

For all needs and budgets, the user can choose from 4 channel to Unlimited.

	VisionHQ -400	VisionHQ -900	VisionHQ -1600	VisionHQ- Unlimited
Maximum # of Cameras	4	9	16	Unlimited
Maximum # of concurrent remote Client connections	1	3	5	Unlimited

Licensing

Licensing for the VisionHQ software is bind to the MAC address of the Hardware or the integrated Ethernet controller. **No licensing is needed for individual IP cameras or IP servers/encoders.**