

Introduction of Wisenet Viewer

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WISENET

Wisenet Viewer

- Introduction of Wisenet Viewer
- Key Features
- Specifications
- Live Demo
- Q&A



1. This webinar is being recorded and will be available for replay and in pdf format. Please visit <https://www.hanwhasecurity.com/trainings/webinars/> to view past webinars & sign up for future ones.

2. All participants have been put into listen only mode.

3. We will take Q&A time permitting and if time runs out to answer all of the questions, we will reply to you individually afterwards. Please use the Chat or Q&A section.

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- 1. What is Wisenet Viewer**
- 2. Key features**
- 3. Specifications**
- 4. Supported device**

1. What is Wisenet Viewer

All new NVR/DVR viewer



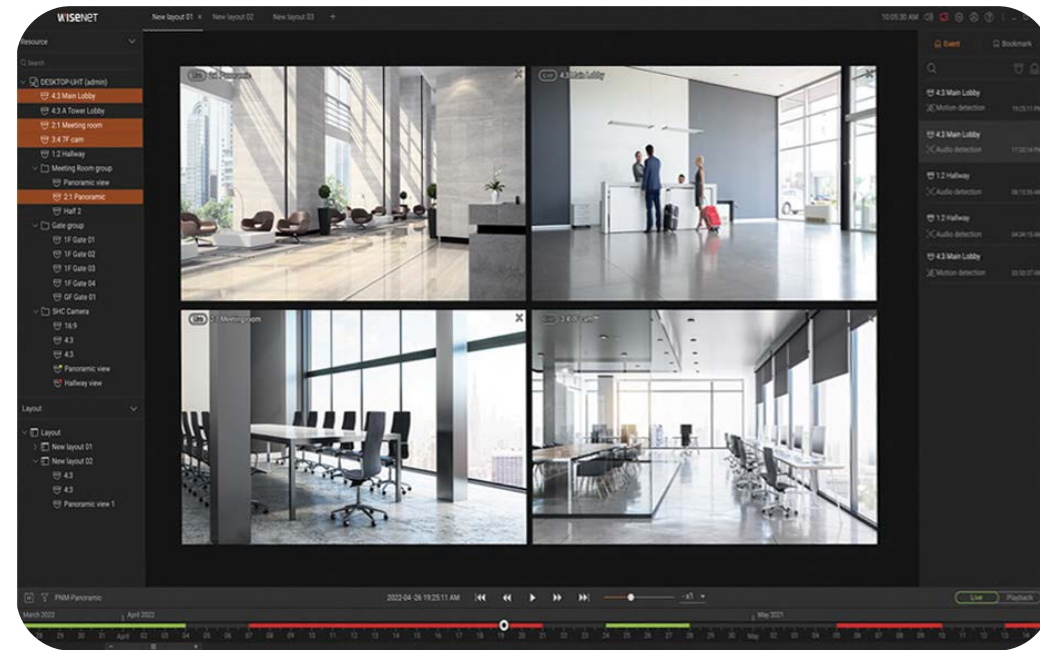
- Easy and intuitive UI
- Flexible channel division and custom layout
- Search and play recorded video
- Multiple application on multiple monitors
- Display web pages (ex. NVR web-viewer)
- Media files play in the layout
- Event trigger and action rule management
- Log search (Event, System and Audit)
- Remote connection (DDNS/P2P*)
- User permission management

* P2P : Standalone NVR must be upgraded to use this function
NVR will be modified in future

Wisenet Viewer CMS replaces SmartViewer CMS



SmartViewer
(Since 2008)



Wisenet Viewer
Introduced 2022

2. Key features

Flexible, view as you want.

Flexible layout and timeline

User can monitor the video at the desired location and size. Wisenet Viewer supports flexible video control from real-time monitoring to timeline playback.

User can set bookmarks on recorded video.

Web pages and media files

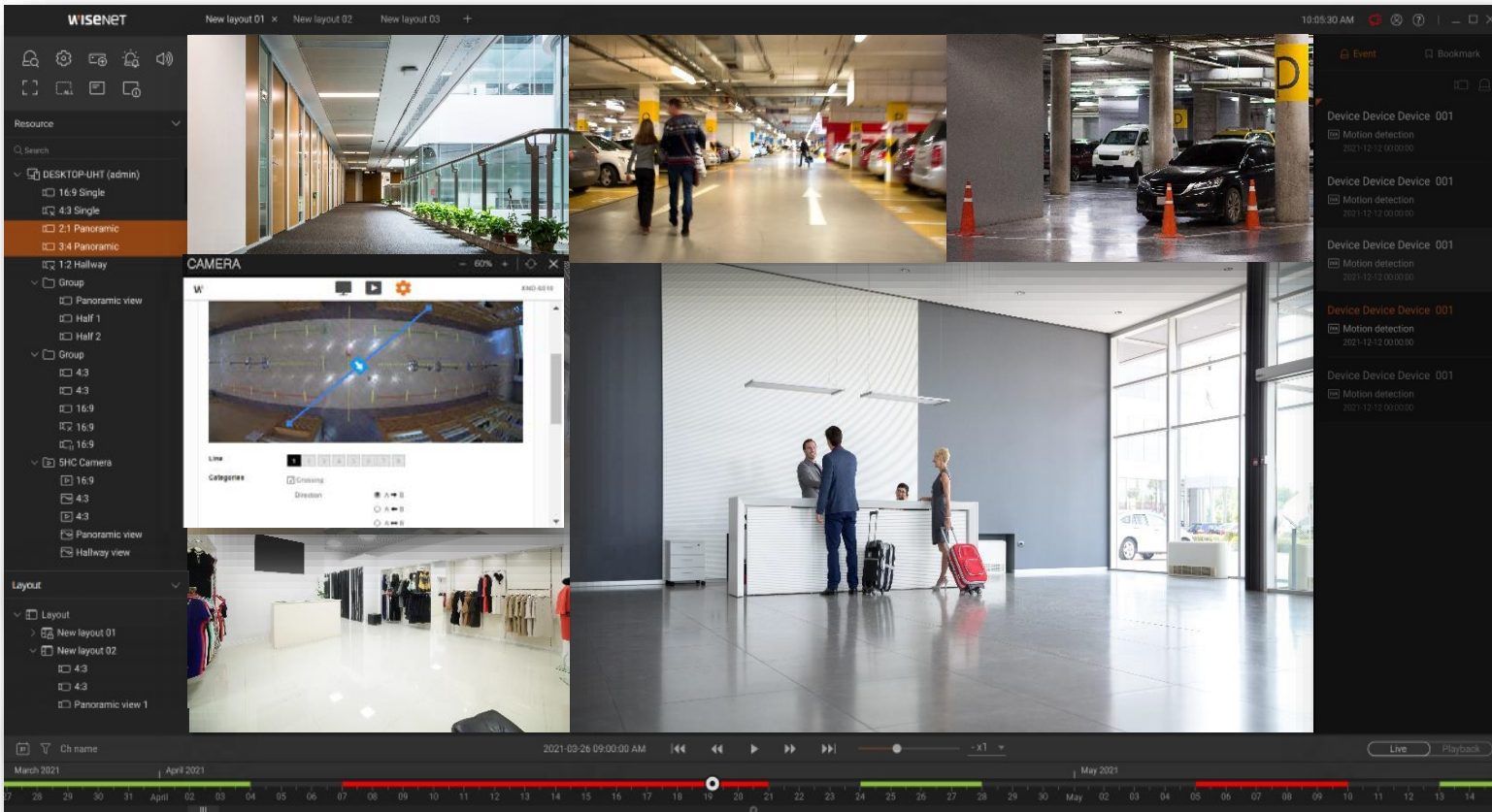
User can see web pages and Live monitoring at the same time on the layout. Use the items you want as multi-tab, multi-window on multi-monitor.

User can play media files (avi, mkv, mp4, wnm*) on the layout.

Real-time notification

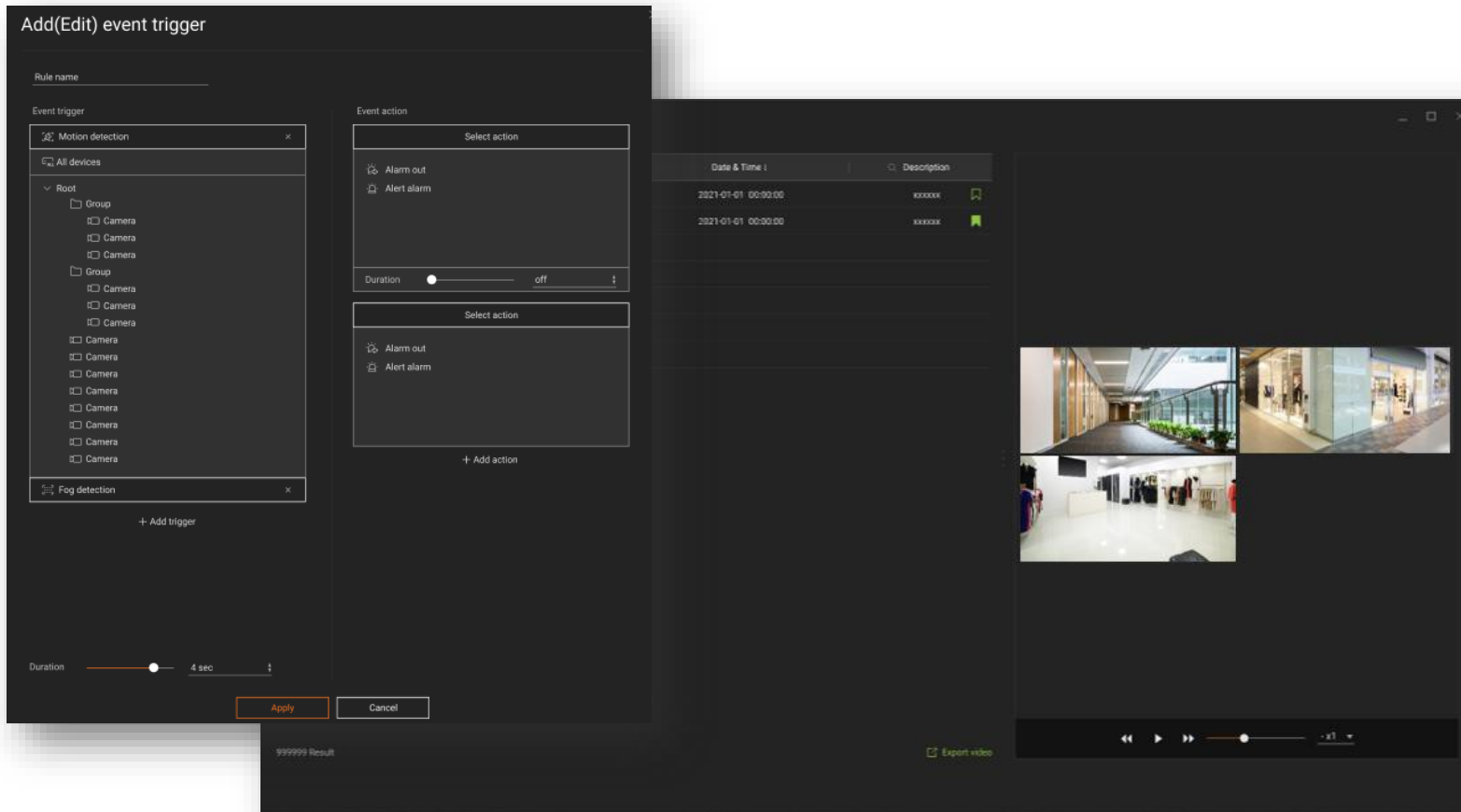
Wisenet Viewer kindly shows not only real-time events but also system messages.

* WNM : Wisenet media file



2. Key features

Quickly, as you want.



Event rules (Event-Action)

You can perform the desired action when the event you want is triggered. Wisenet Viewer helps you to reduce human resource because you don't need to monitor always. (Event action will be added in the future)

Event search

Wisenet Viewer shows events that occurred in real-time. In the midst of indiscriminate events, you can apply a filter to see only the events you want. Also, you can search for the device, time and event you want and check the footage right away.

2. Key features

Securely, as you want.



User permission management

Wisenet Viewer assigns permission to each user group. In addition to features, devices or layouts can be assigned. You can manage user accounts more safely.

Audit log

Wisenet Viewer record device log and user activity as well. You can find out who, when and what did.

Cybersecurity

Wisenet Viewer supports connecting to NVRs/DVRs using SSL/TLS to ensure secure communications.

2. Key features

Supports Client PCs running :

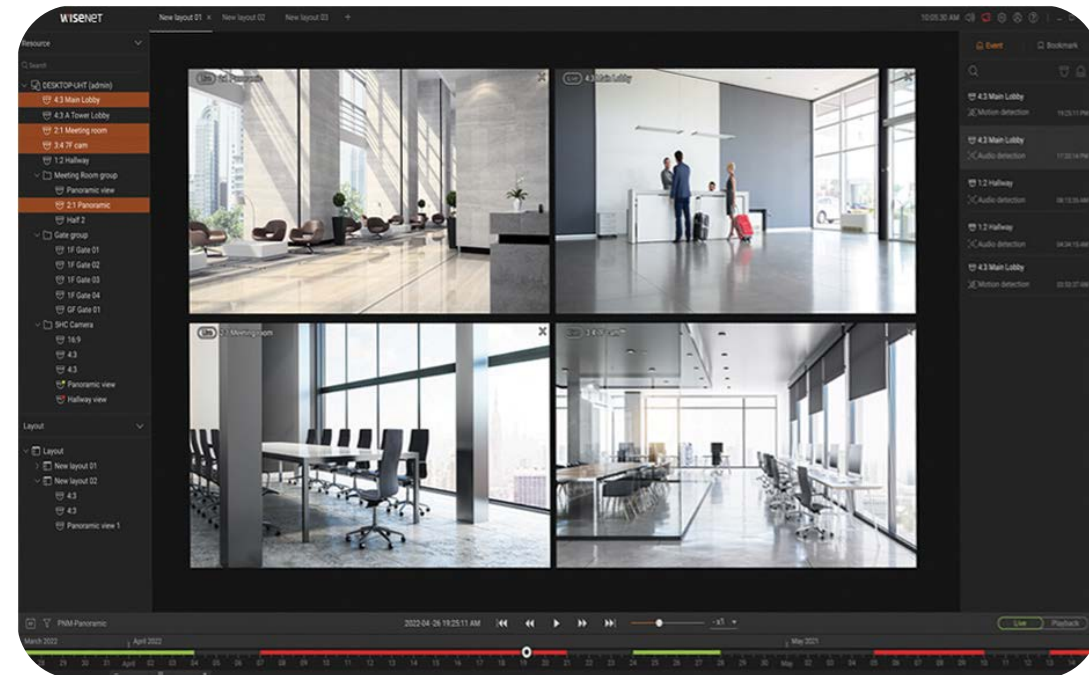
- macOS 11 / 12
- Windows 8.1 / 10 / 11



2. Key features

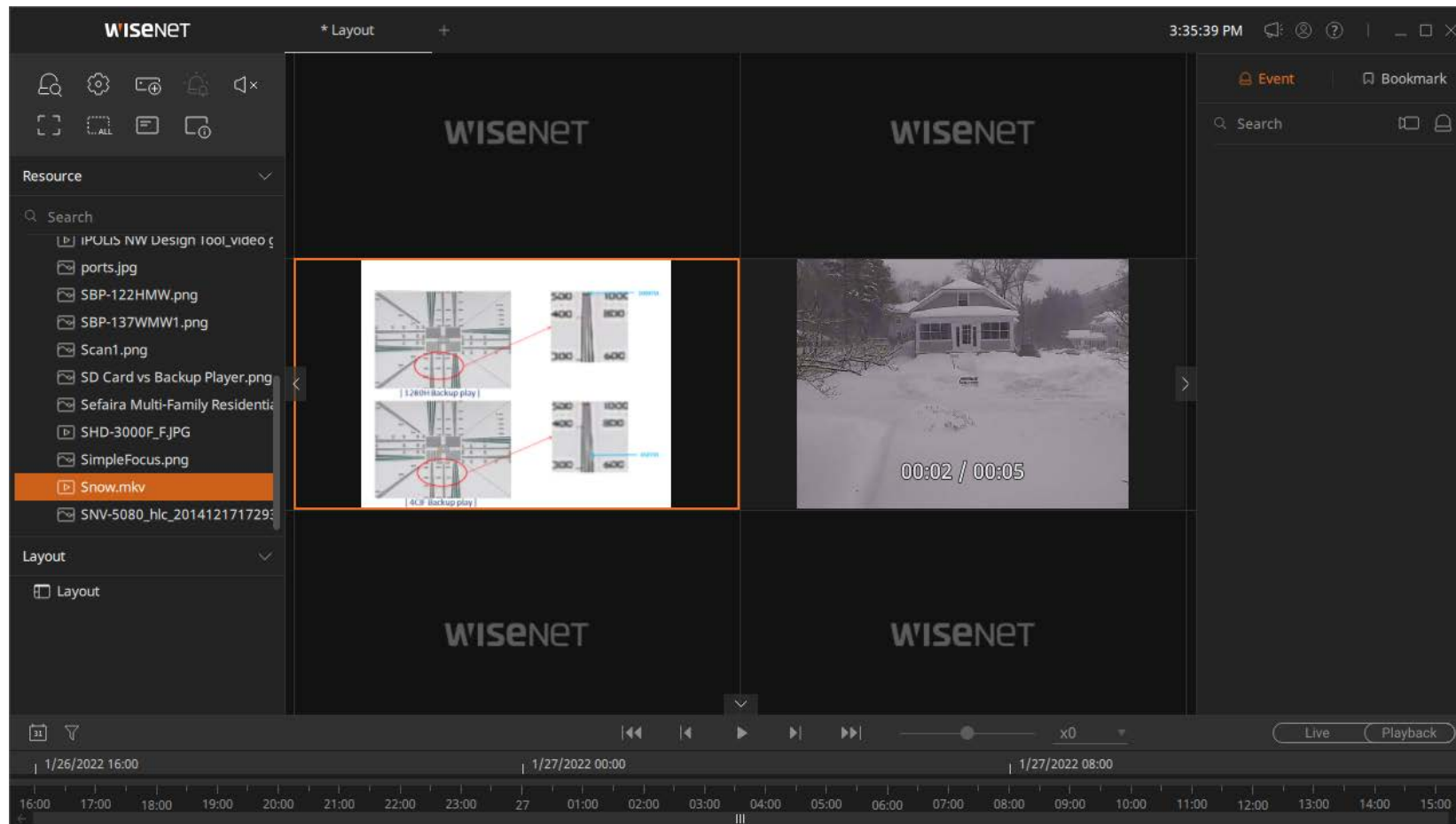
Packed with features to make it easy to use :

- Auto login
- Keyboard shortcuts for common actions
- Auto device registration
- Channel ungrouping
- Webpage integration
- NVR firmware update / backup / restore
- Embedded NVR webpage



Key UI Elements

- Setup menu
- Resource Tree
- Flexible Grid & Auto-fit
- Tabs / Windows
- Ungrouping of items
- Local Media Files
- Layouts
- Timeline & Calendar
- Overlap data
- Event Timeline Filtering
- Events & filtering
- Bookmarks
- Live/Playback/Sync
- Key Icons
- Video tile icons & right-click options
- Exporting video



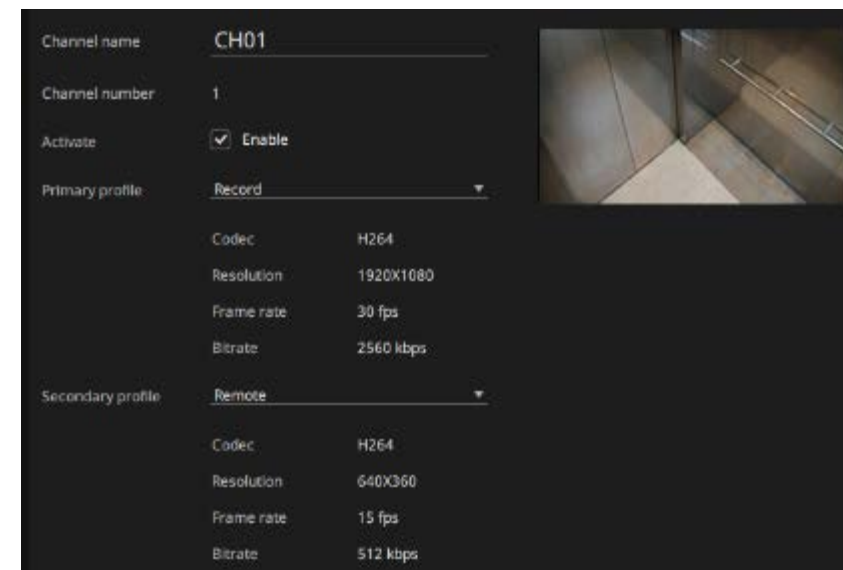
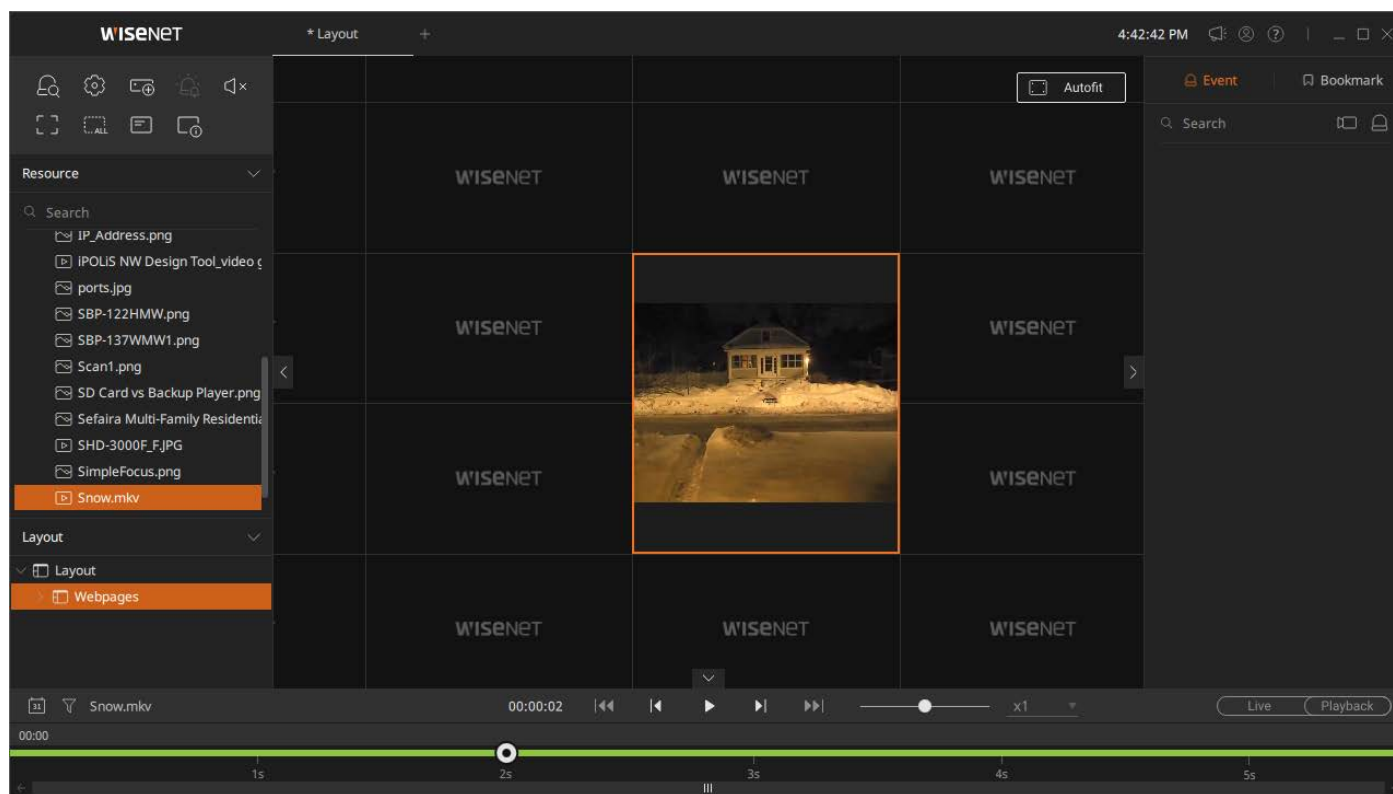
Flexible Viewing Grid

Easily drop and drag cameras, webpages, & media to the flex grid.

Freely re-size items to create your own multi-screen patterns, then save it to a layout.

Easily share layouts with other users on the system.

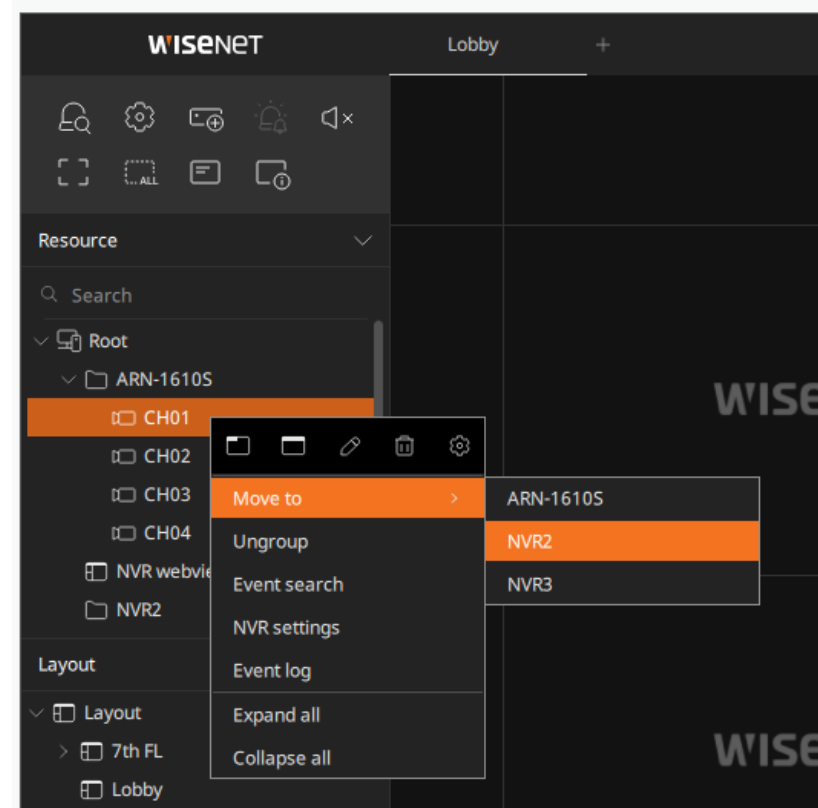
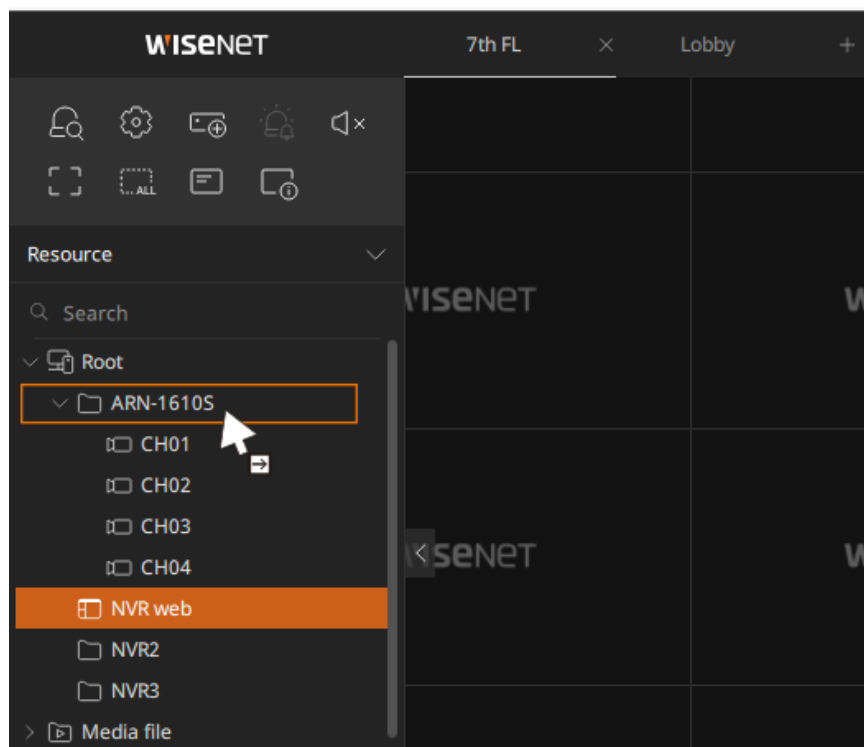
Each camera can display a high or low resolution stream from the NVR (NVRs support 3 different profiles)



Custom Grouping

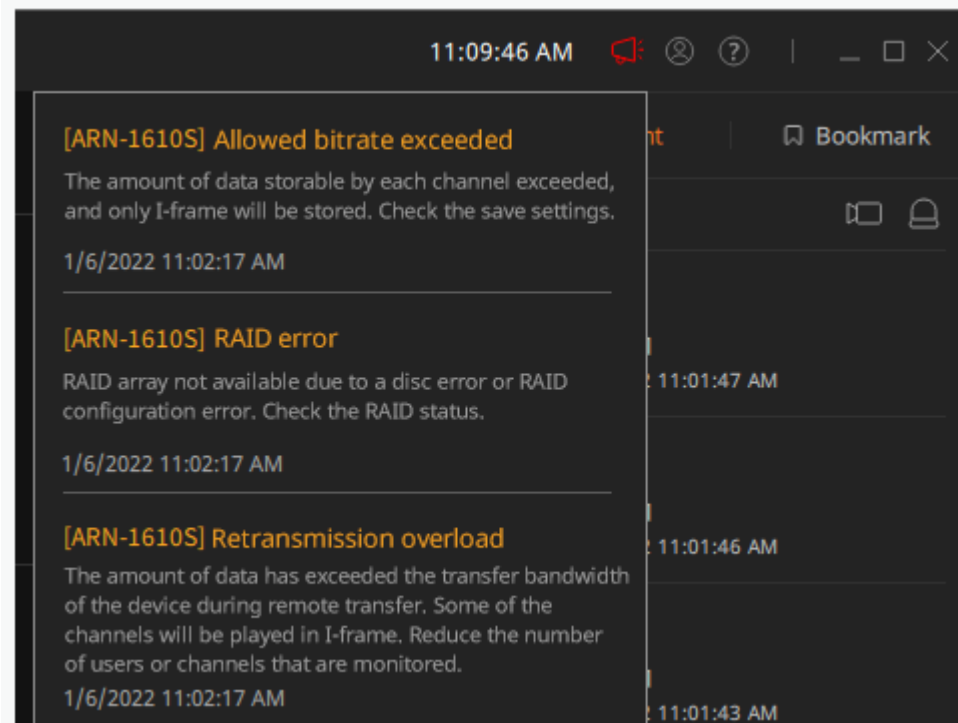
Create custom groups to suit your use.

Recorders or individual channels, and webpages can be moved to a group.



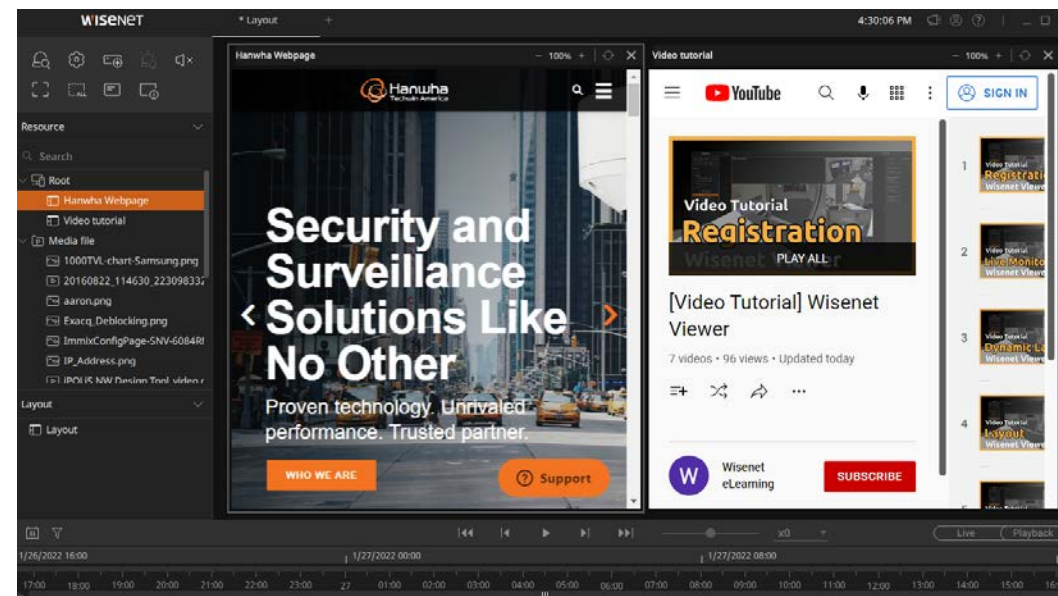
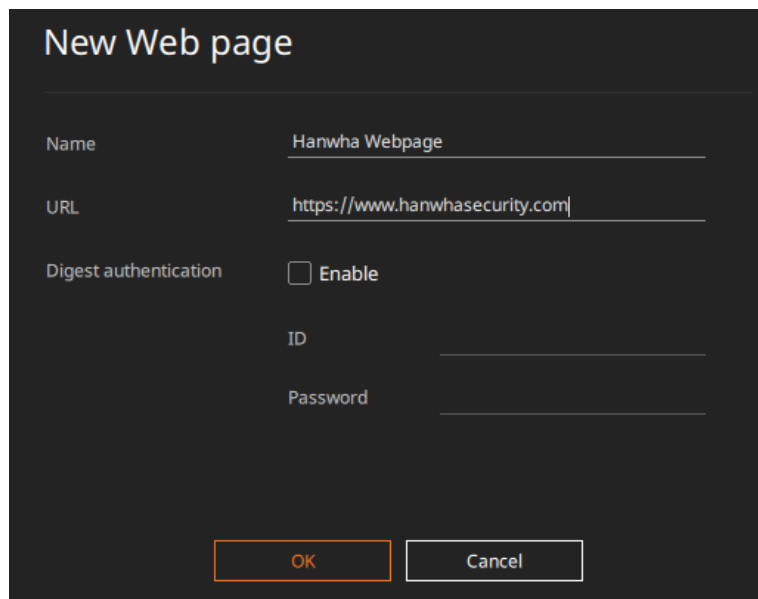
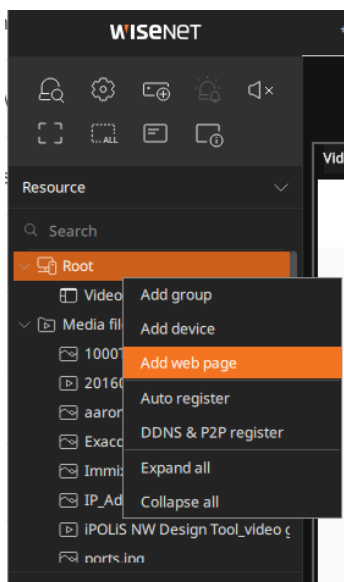
Monitor System Status

If a device or system error occurs while using Viewer, the notification icon will be displayed in red. When the notification icon is displayed, please check the error details and take the necessary action.



View web pages as a tile

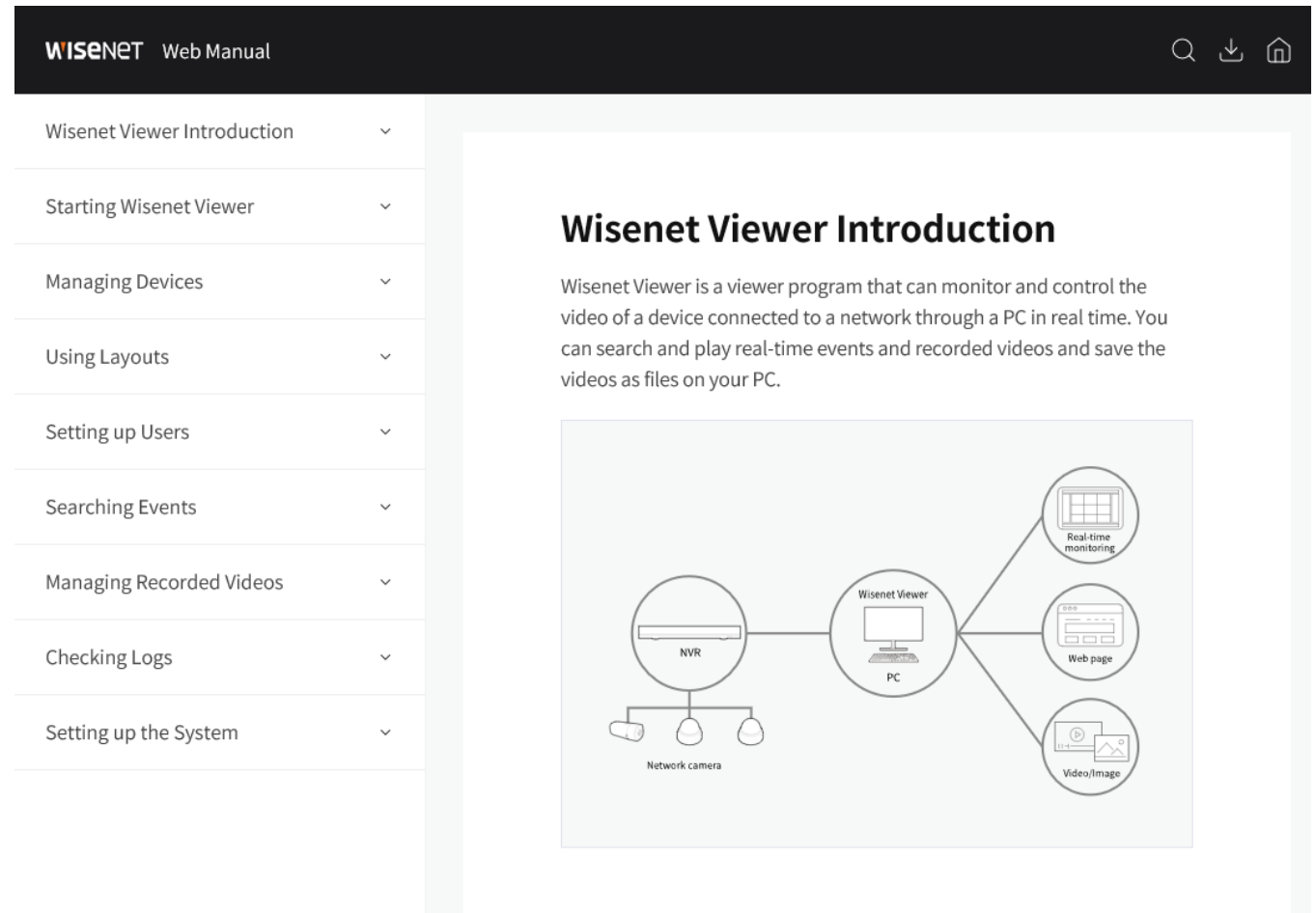
Easily view your access control system, visitor management software, building directory, new, weather, & more. Toolbar provides zoom controls & reload. Save to layouts for easy access.



Keyboard shortcuts

Item	Windows	MAC
Display the name change window of the resource tree and layout tree item	F2 * Enter: Close after applying changes ESC: Close	F2 * Enter: Close after applying changes ESC: Close
Run Autofit	F5	Command + R
Switch to full screen/window mode	F11	Control + Command+F
Opening media files	Ctrl + O	Command + O
Saving a layout	Ctrl + S	Command + S
Saving a layout with a different name	F12	Ctrl + Shift + S
Delete selection	Delete or Backspace	Del
Opening a new Layout tab	Ctrl + N	Command + N
Play/pause	Space Bar	Space Bar
Reverse	Ctrl + [←]	Command + [←]
Forward	Ctrl + [→]	Command + [→]
Zoom in on the timeline	Ctrl + [↑] or [+]	Command + [↑] or Command + [+]
Zoom out on the timeline	Ctrl + [↓] or [-]	Command + [↓] or Command + [-]
Previous event	z	z
Next event	x	x

An embedded web-based user manual explains all functions. Easy search function to further your knowledge.



The screenshot displays the 'Wisenet Web Manual' interface. At the top, there is a dark header with the 'WISENET Web Manual' logo on the left and search, download, and home icons on the right. A left-hand navigation menu lists various manual sections, each with a dropdown arrow: 'Wisenet Viewer Introduction', 'Starting Wisenet Viewer', 'Managing Devices', 'Using Layouts', 'Setting up Users', 'Searching Events', 'Managing Recorded Videos', 'Checking Logs', and 'Setting up the System'. The main content area on the right is titled 'Wisenet Viewer Introduction' and contains a paragraph of text: 'Wisenet Viewer is a viewer program that can monitor and control the video of a device connected to a network through a PC in real time. You can search and play real-time events and recorded videos and save the videos as files on your PC.' Below the text is a diagram illustrating the system architecture. It shows a central 'Wisenet Viewer PC' connected to an 'NVR' (Network Video Recorder) on the left, which in turn is connected to three 'Network camera' units. On the right, the 'Wisenet Viewer PC' is also connected to three functional icons: 'Real-time monitoring', 'Web page', and 'Video/Image'.

3. Specifications (1/4)

General 1/2		
Media	Video streaming protocol	RTP/RTSP (UDP/TCP/HTTP/HTTPS)
	Video format	H.265, H.264, MJPEG
	Video resolution	Depending on the device
	Display	Multiple application on multiple monitors
	Audio format	G.711 u-law (PCM), G.726 (ADPCM), AAC
	Audio control	Audio volume control
Video	Functions	PTZ, Focus, Brightness/Contrast, Crop area, Capture, Show video status
	PTZ control	Pan, Tilt, Zoom, Preset, Focus control, Auto tracking
	Live local recording	Up to 2 hours, mkv, wnm (Wisenet media file)
	Video rotation	90°, 180°, 270°
	Aspect ratio	16:9, 4:3, Stretch/Keep aspect ratio
	Change video profile	High/Low settings only
	Video status	Resolution, Framerate, Bitrate, Video format, Profile information, Audio format
Playback	Video control	Start/stop, Pause, Faster/slower forward/backward, Step forward/backward, Skip forward/backward, Keyboard shortcut
	Playback speed	1x, 2x, 4x, 8x, 16x, 32x, 64x, 128x
	Timeline	Event filter, Bookmark
	Export	Up to 24 hours, Single/Multi channel export, mkv/wnm (Wisenet media file), Encryption password (wnm format only)
	Search mode	Calendar, Timeline, Event, Bookmark

3. Specifications (2/4)

General 2/2		
Video tile	Tile pattern	Flexible grid (Zoom in/out, Drag), Auto fit, Keyboard shortcuts
	Supported type	Channel, Media file, Browser
	Media file	Image : jpeg, png, jpg, bmp
		Video : avi, mkv, mp4, wnm (Wisenet media file)
	Browser	Web page
Layout	Multi-tab, Layout management	
Event	Notification	Device analytics events, Device system events
	Event rule	Combine Event trigger, Event action and duration
	Event Trigger *	Device analytics events, Device system events
	Event Action	Priority alarm, Alarm output
	Device analytics events	Sensor, Video Loss, Motion, Face detection, Defocus, Fog detection, VA (Passing, Intrusion, Entering, Exiting, (Dis) Appear, Loitering), Tempering, Audio detection, Audio classification (Scream, Gunshot, Explosion, Glass break), Tracking, Dynamic Event
	Device system events	Power status, Fan status, Recording status, Setting change, System status

* Wisenet viewer supports events that device support only.

3. Specifications (3/4)

Management		
Device	Supported devices	Wisenet NVR / DVR (SUNAPI)
	Maintenance	Viewing the device settings (device webpage), Updating the device firmware, Backup/Restore devices settings, Change devices password
Network protocol		IPv4, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, HTTP, DDNS, HTTPS, SUNAPI, P2P
User		Assign permission/device/layout to user group
Log		Event log, System log, Audit log, Export log data to file (CSV)
System settings		Backup/Restore/Reset Wisenet Viewer settings
Language		Total 23 languages Support English, French, German, Spanish, Italian, Russian, Chinese, Japanese, Korean, Turkish, Polish, Czech, Serbian, Romanian, Portuguese, Dutch, Croatian, Hungarian, Greek, Taiwanese, Danish, Finnish, Norwegian

3. Specifications (4/4)

Performance		
Maximum channels		Up to 3000 channels (no limitations in software)
Maximum DDNS/P2P channels		Up to 128 channels
Maximum channels per layout		Up to 64 videos
System requirement		
System requirement	Recommended	CPU: Intel i7 or faster RAM: 16 GB above, Video Memory 1GB above, HDD: Performance SSD, 128GB higher VGA: NVIDIA GeForce GTX 1050 (OpenGL 2.1 support is required) LAN: 1GB NIC recommended Display Resolution : 1366X768 above, OpenGL compatible
	Minimum	CPU: Intel i3 or faster RAM: 4 GB higher HDD: 128GB higher VGA: 512MB higher (OpenGL 2.1 support is required) LAN: 1GB NIC recommended Display Resolution : 1366X768 above, OpenGL compatible
	Operating system	Windows 8.1/10/11 64 bit, macOS 11/12

4. Supported devices

NVR	
4 channel	XRN-420S, XRN-410S, QRN-430S, QRN-420S, QRN-410S, QRN-410, LRN-410S
8 channel	XRN-820S, XRN-810S, QRN-820S, QRN-810S, QRN-810, LRN-810S
16 channel	XRN-1620SB1, XRN-1620B2, XRN-1610SA, XRN-1610S, XRN-1610A, XRN-1610, QRN-1620S, QRN-1610S, LRN-1610S
32 channel	XRN-3210RB2, XRN-3210B4, XRN-3210B2, XRN-2011A, XRN-2011, XRN-2010A, XRN-2010
64 channel	PRN-4011, XRN-6410RB2, XRN-6410DB4, XRN-6410B4, XRN-6410B2, XRN-3010A, XRN-3010
AI NVR	PRN-6400DB4, PRN-6400B4, PRN-3200B4, PRN-3200B2, PRN-1600B2, PRN-6405DB4, PRN-6405B4, PRN-3205B4, PRN-3205B2, PRN-1605B2, PRN-6410DB4, PRN-6410B4, PRN-3210B4, PRN-3210B2, PRN-1610B2
DVR	
Pentabrid DVR	HRX-435, HRX-434, HRX-421, HRX-420, HRX-835, HRX-821, HRX-820, HRX-1632, HRX-1621, HRX-1620

*Some models may not be available in all regions.

P2P connection available on models that have P2P function.

HQ Training / Demo Videos

Videos are built-in to the Wisenet Viewer



[Video Tutorial] Wisenet Viewer

7 videos • 168 views • Updated yesterday



Wisenet eLearning

SUBSCRIBED



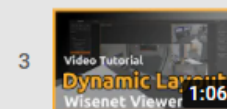
1 [Wisenet Viewer] Device Registration

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2 [Wisenet Viewer] Live Monitoring

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3 [Wisenet Viewer] Dynamic Layout

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4 [Wisenet Viewer] Layout

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5 [Wisenet Viewer] Event Monitoring

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6 [Wisenet Viewer] Playback and Timeline Control

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7 [Wisenet Viewer] Event Search

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Live Demo



Questions?

Thank You.



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