



VioStor QVR 5.1

Professional Video Management System



Local Display

Truly PC-less Surveillance Solution



Truly PC-less Surveillance Solution

Allows you to see the live view, play recordings, and also configure system and surveillance settings without needing a client PC.

The screenshot displays the QNAP Surveillance Station web interface. The 'Control Panel' window is open, showing the 'Surveillance Settings' tab. A sidebar menu on the left lists various settings categories, with 'Camera Configuration' highlighted. The main area displays a table of configured cameras with columns for Channel, Camera Name, Camera Brand, IP Address, Resolution, Frame Rate, Action, and Quick Link. The table lists 16 cameras with various specifications. The bottom of the interface shows a clock displaying 18:05 on Monday, June 8, and a status bar with 'QVR' and 'VS-12164UPro+'.

Channel	Camera Name	Camera Brand	IP Address	Resolution	Frame Rate	Action	Quick Link
1	Camera 01	Hikvision	10.65.12.73	1280x720	10 fps		
2	Camera 02	HUNT	10.65.12.101	2562x1544	15 fps		
3	Camera 03	Axis	10.65.12.102	2562x1544	15 fps		
4	Camera 04	Canon	10.65.12.103	1920x1080	30 fps		
5	Camera 05	Arecont	10.65.12.104	Full	1 fps		
6	Camera 06	BeWARD	10.65.12.105	1280x720	10 fps		
7	Camera 07	ACTi	10.65.12.106	N2048x1536/P2048x1536	6 fps		
8	Camera 08	Avtech	10.65.12.107	1920x1080	30 fps		
9	Camera 09	Foccam	10.65.12.108	960P	2 fps		
10	Camera 10	EtrVision	10.65.12.109	D1	10 fps		
11	Camera 11	Sony	10.65.12.110	1920x1080	8 fps		
12	Camera 12	GRUNDIG	10.65.12.111	1280x720	10 fps		
13	Camera 13	Grandstream	10.65.12.112	1280x660	10 fps		
14	Camera 14	IQeye	10.65.12.113	720p H.264 + 720p MJPEG	15 fps		
15	Camera 15	MOBOTIX	10.65.12.114	2562x1544	16 fps		
16	Camera 16	Panasonic iPro	10.65.12.115	1920x1080	5 fps		
17	---	---	---	---	---		
18	---	---	---	---	---		

Configure the system, schedule recordings, manage events, back up recordings, expand surveillance capacity, and more

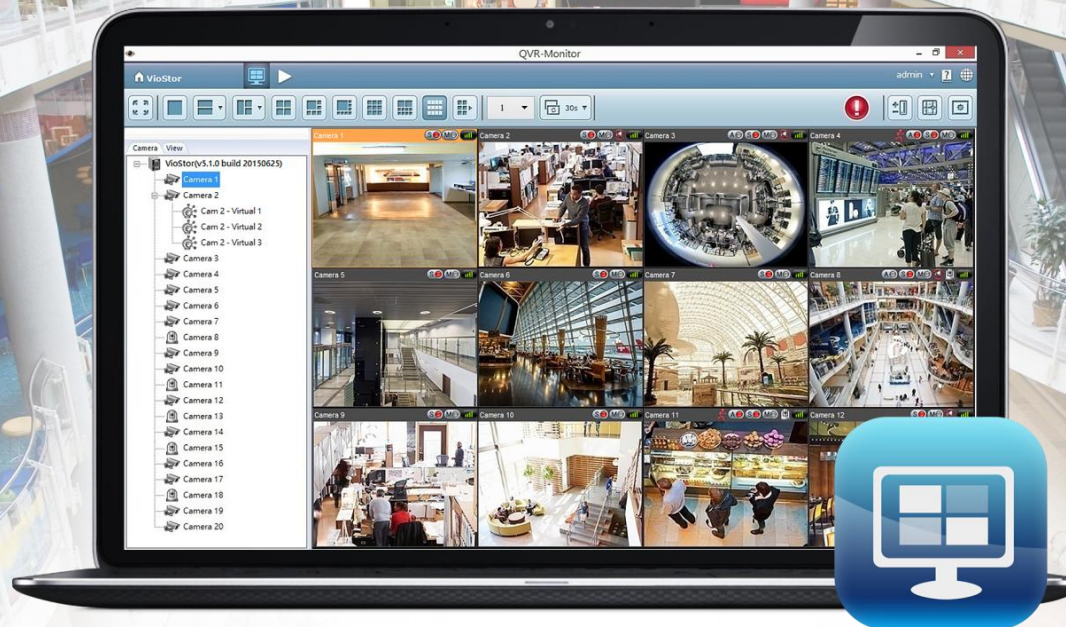
Playback and Speed Control by Shuttle Bar

With the playback and speed control shuttle bar, you can fast-forward and rewind videos by dragging the button to the right and left, respectively, at your desired speed.



Live View

QVR Client for Windows



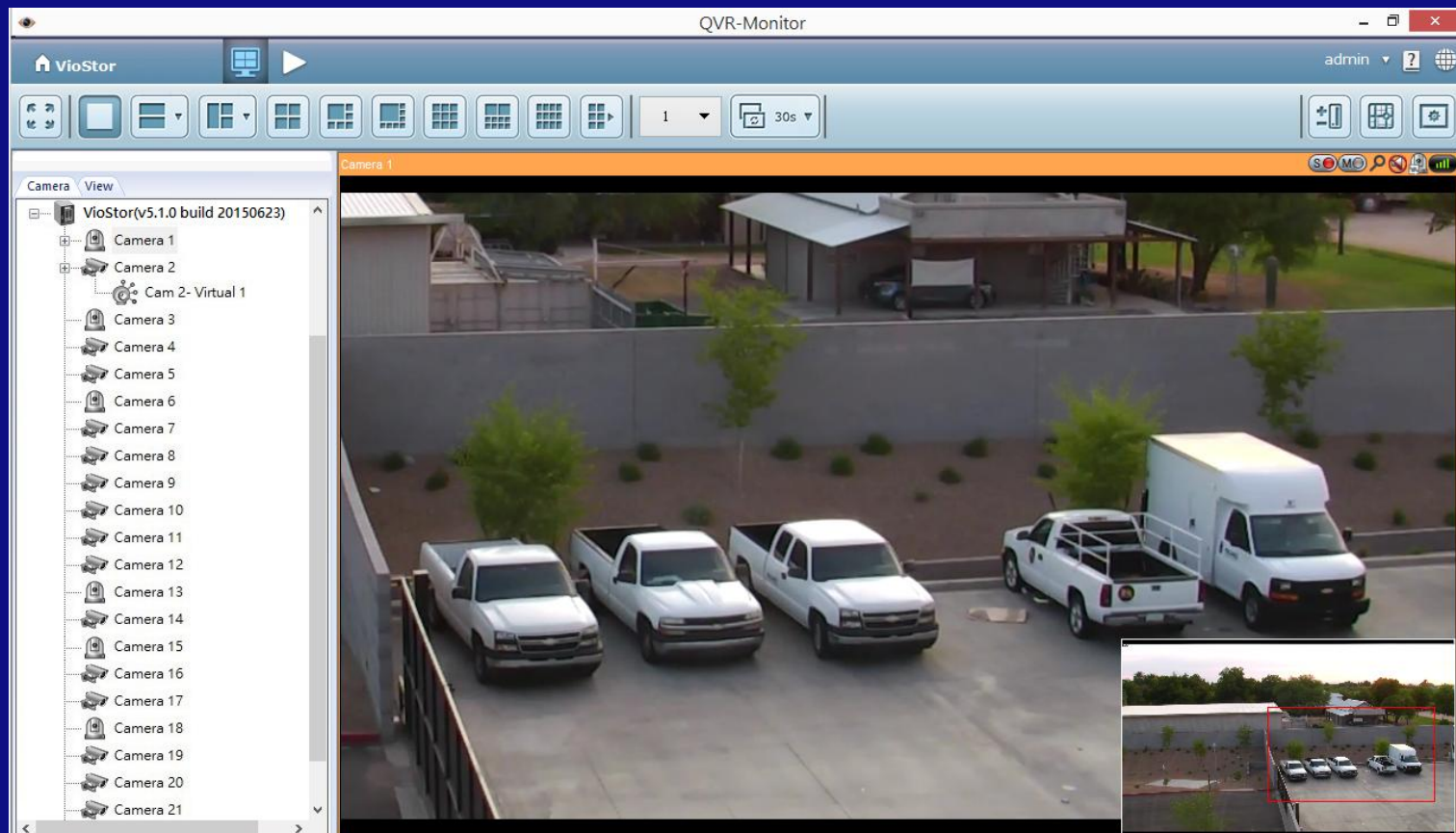
Interactive Control Buttons

The screenshot displays the VioStor web interface. At the top, there is a toolbar with icons for camera selection, view modes (full screen, windowed, etc.), and playback controls (play, stop, 30s). Below this is a sidebar on the left titled 'Camera' and 'View', showing a list of cameras: VioStor(v5.1.0 build 20150616), London, Taipei, Hokkaido, Santiago, Barcelona, Los Angeles, Shanghai, Rome, Mumbai, USA, India, China, Astana, Berlin, Paris, and Office. The main area shows a live video feed of an orchestra performing in a large cathedral, with the label 'London' above the feed. At the bottom, there is a row of interactive control buttons, each with a label and a corresponding icon:

- Manual Recording**: Icon of a red dot in a circle.
- Audio**: Icon of a speaker.
- Snapshot**: Icon of a camera shutter.
- Digital Zoom**: Icon of a magnifying glass.
- Instant Playback**: Icon of a play button with a red bar.
- PTZ Mode**: Icon of a camera with a crosshair.
- Preset Point**: Icon of a gear with the number 123.
- Camera Configuration**: Icon of a wrench and screwdriver.
- Camera Information**: Icon of a document with a list.
- ROI**: Icon of a camera with a red box.

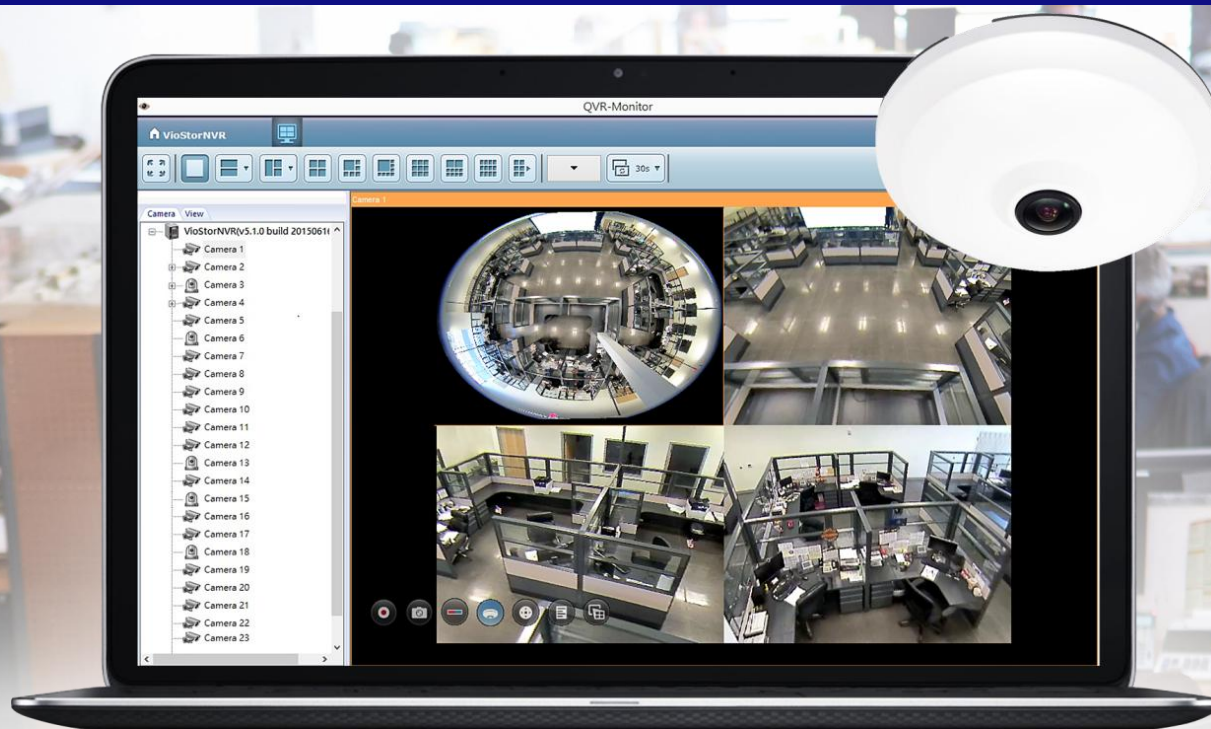
Zoom in to See Details

Enhanced digital zoom features a new overview window with a red square frame to indicate the zoom area



Qdewarp

QNAP Fisheye Dewarp technology



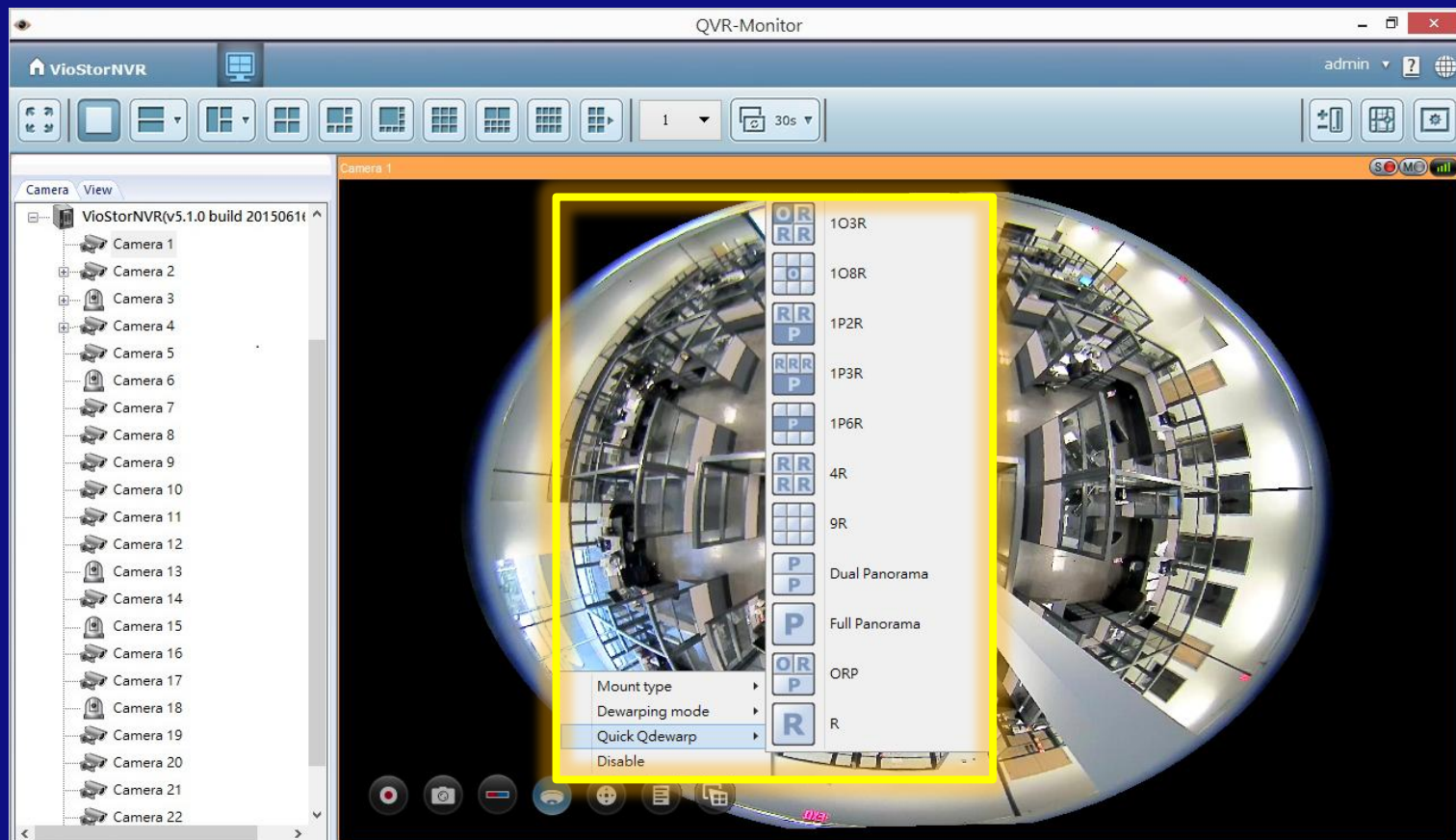
Dewarp Technology for Generic Fisheye Cameras

Use Qdewarp by just clicking the interactive button on a channel.



Supports Multiple Fisheye Dewarping Modes

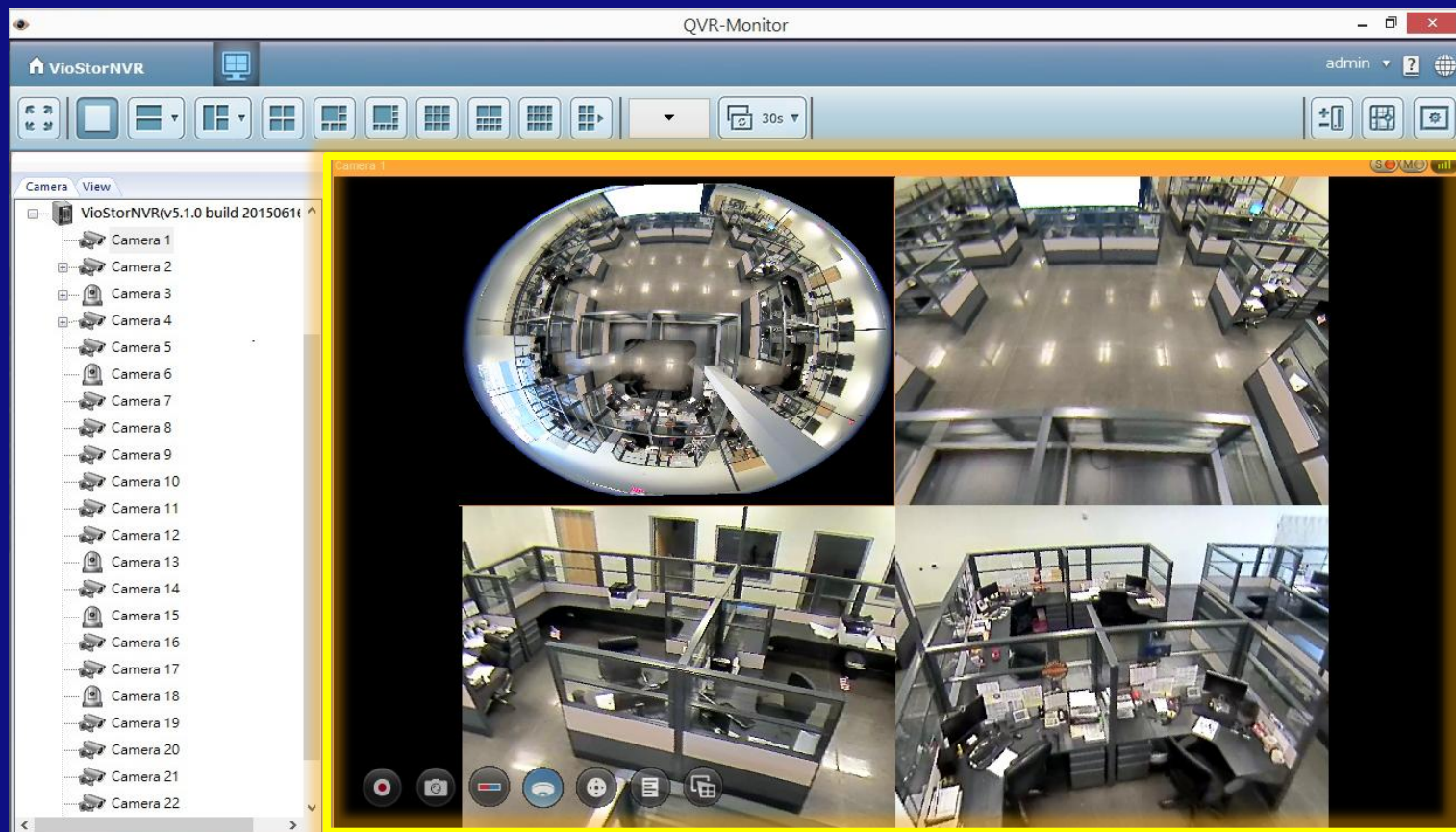
Qdewarp provides multiple dewarping modes for flexible usage.



Available on live view and playback

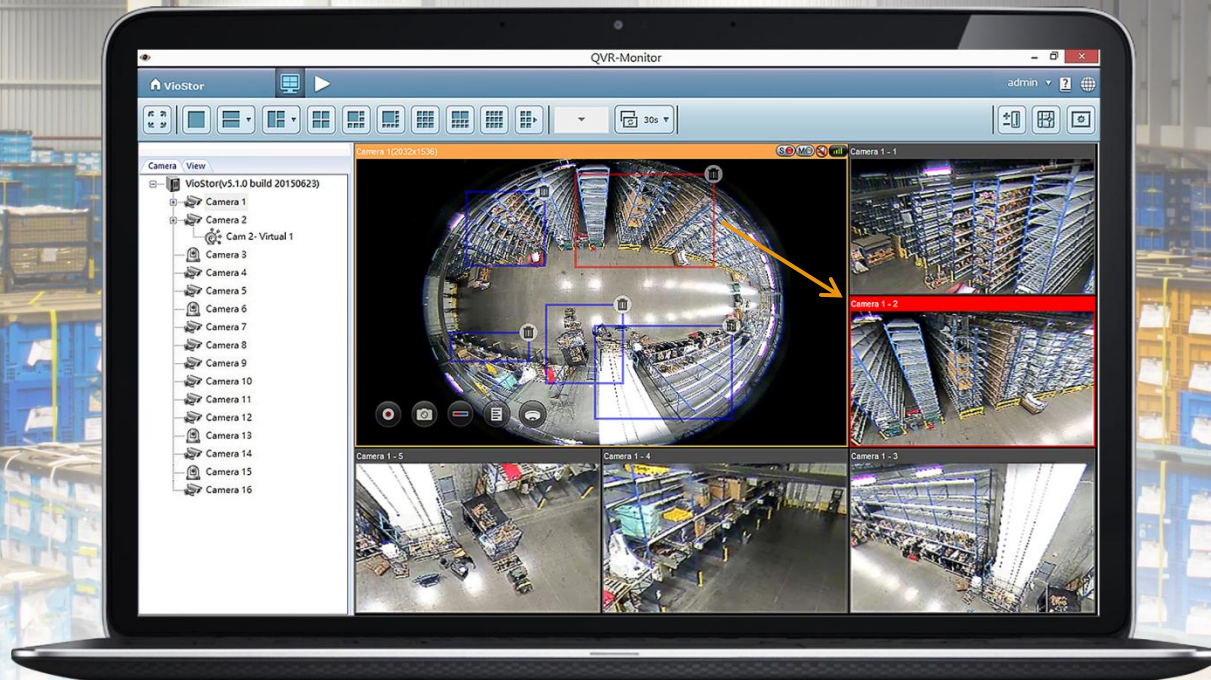
Supports Multiple Fisheye Dewarping Modes

Supports ORP mode for demonstrations and provides overview and regional dewarp. Just select the region and zoom using the mouse wheel.



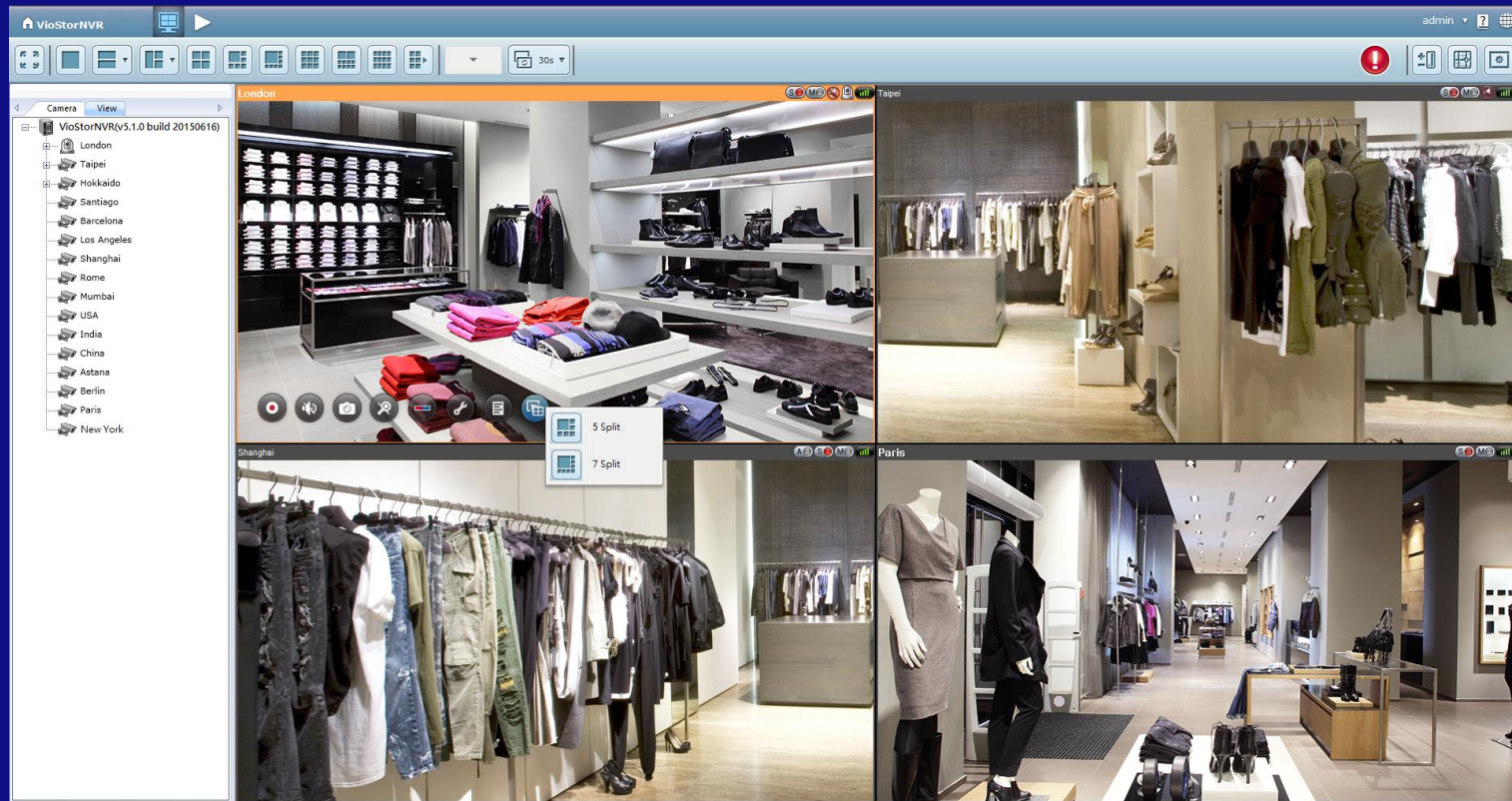
ROI

Region of Interest



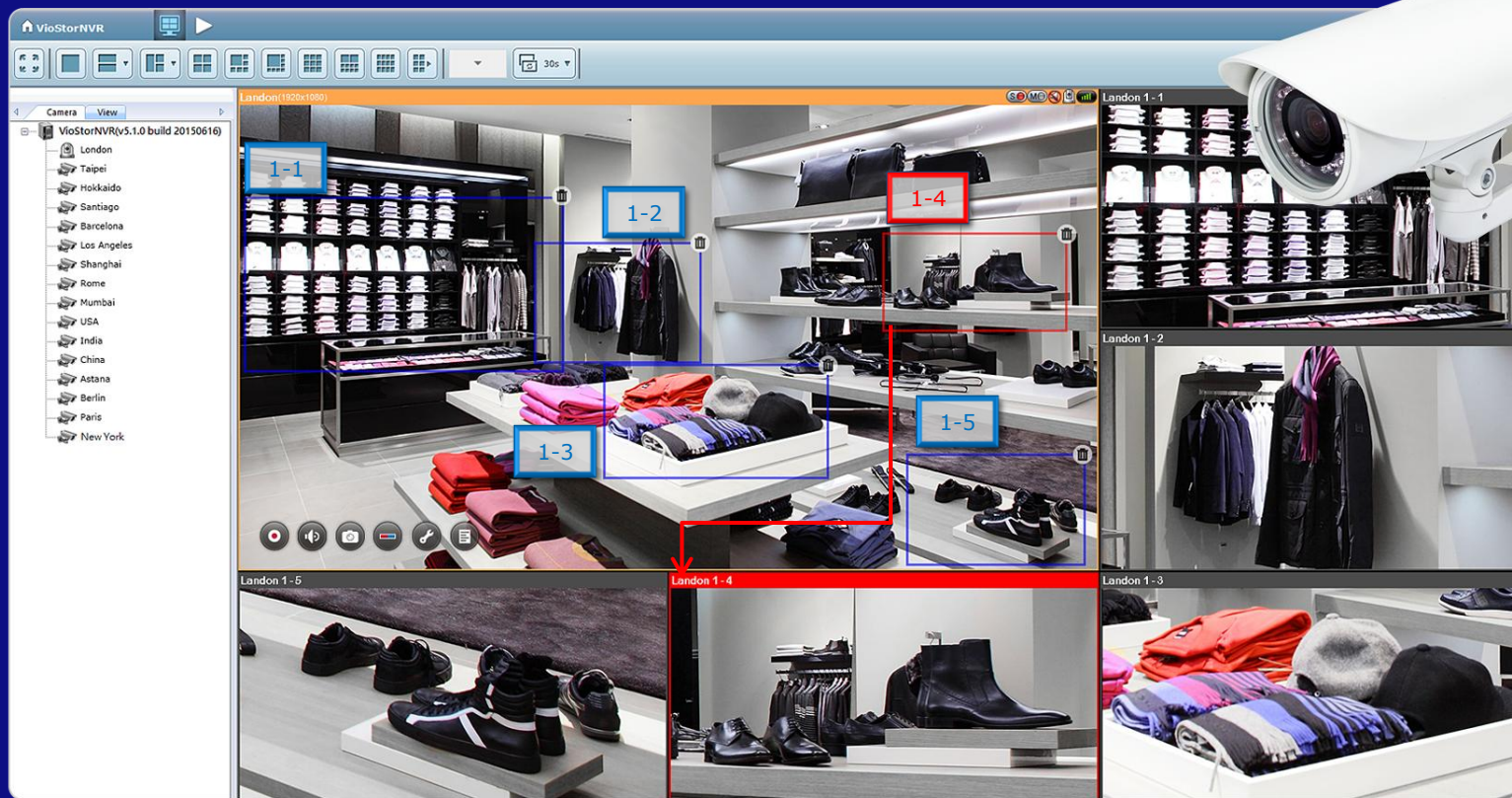
Independent ROI Interface

Select a 5 or 7 split view.



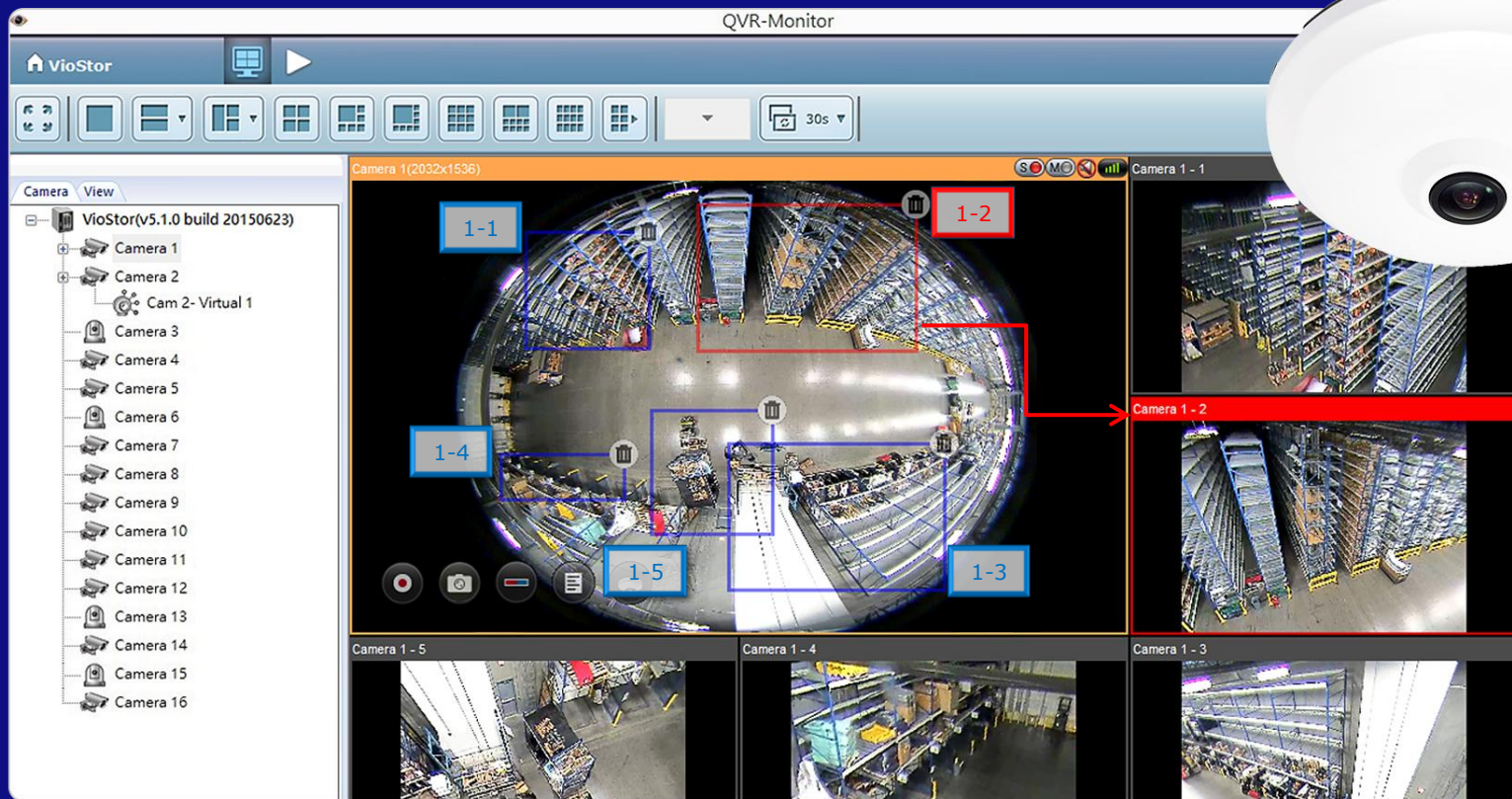
ROI View

Draw regions of interest on the main channel and they will be reflected in the inset windows.



ROI View

For fisheye cameras, you can see the original surround image and define multiple regions to see the dewarped images in one view.



Virtual Camera

Simulate Virtual Camera with Image Cropping



Virtual Camera

Simulate up to four virtual cameras as extended cameras of a physical camera in Surveillance Settings.

The screenshot displays the QNAP Surveillance Settings interface. The 'Camera Configuration' tab is selected in the left sidebar. The main table lists two cameras:

Channel	Camera Name	Camera Brand	IP Address	Resolution	Frame Rate	Action	Quick Link
1	Camera 1	ONVIF	10.65.12.72	1280x720	10 fps	[Icons]	[Icon]
2	Camera 2		10.65.13.112	1280x720	15 fps	[Icons]	[Icon]

A red arrow points from the 'Add' button in the table to the 'Add' dialog box. The dialog box contains the following fields:

- Channel: Channel2
- Camera Name: Camera 2
- Virtual Camera Name: Cam 2 - Virtual 1
- Virtual Camera Index: 1
- Position (compared to upper-left corner):
 - Horizontal Offset(%): 25
 - Vertical Offset(%): 25
- Area Size of Virtual Camera:
 - Height(%): 50
 - Width(%): 50

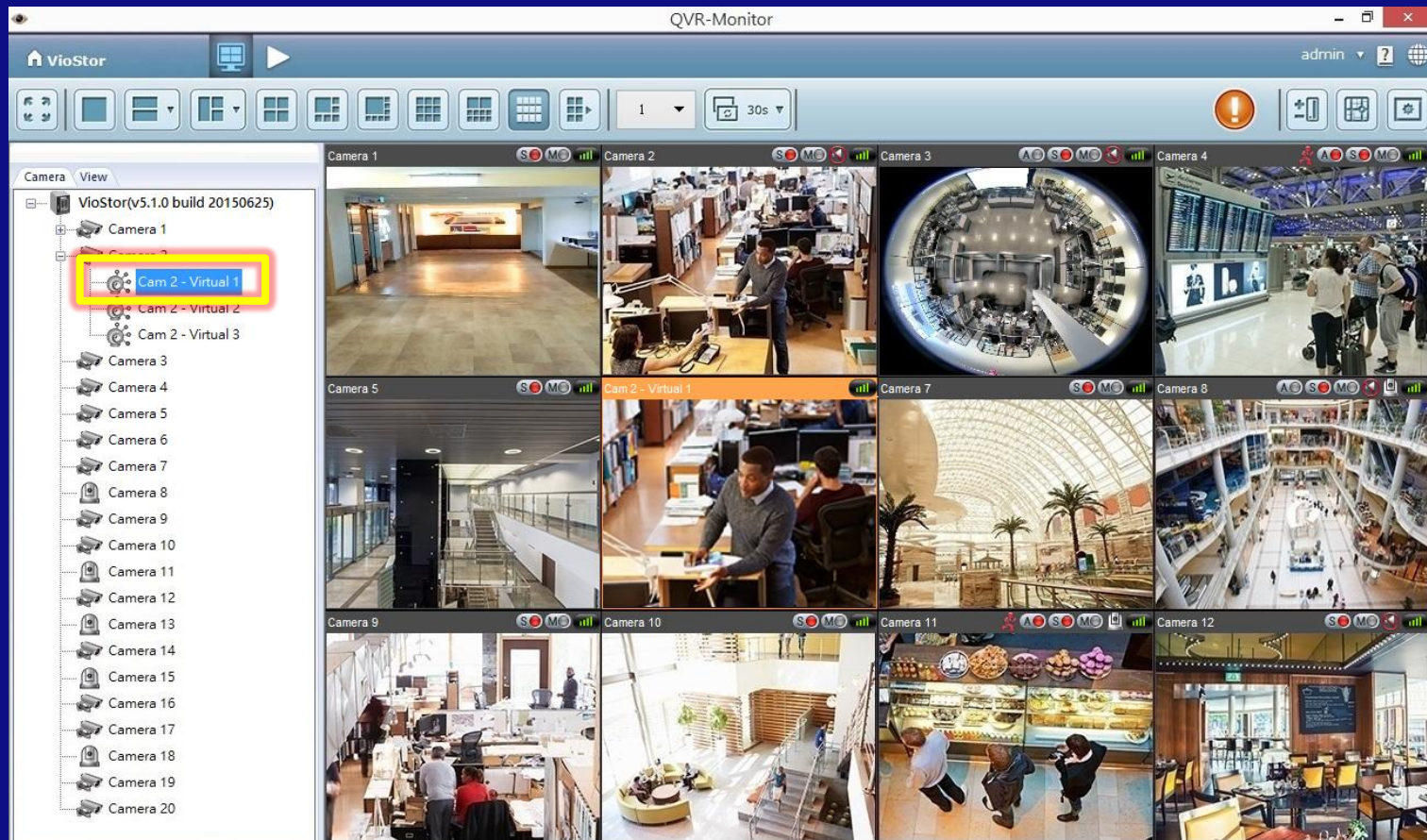
On the right side of the dialog, there are two preview windows:

- Edit Virtual Camera Area:** Shows a red rectangular overlay on a video feed, indicating the selected area.
- Preview Virtual Camera:** Shows the resulting virtual camera view, which is a zoomed-in portion of the original feed.

The dialog box has 'Apply' and 'Cancel' buttons at the bottom.

Virtual Camera

In the monitor page, you can drag virtual cameras into any window to monitor it.



View Management

Customize Your Own Layouts and Views



View management on QVR only supports the cameras on the server.

Flexible View Management

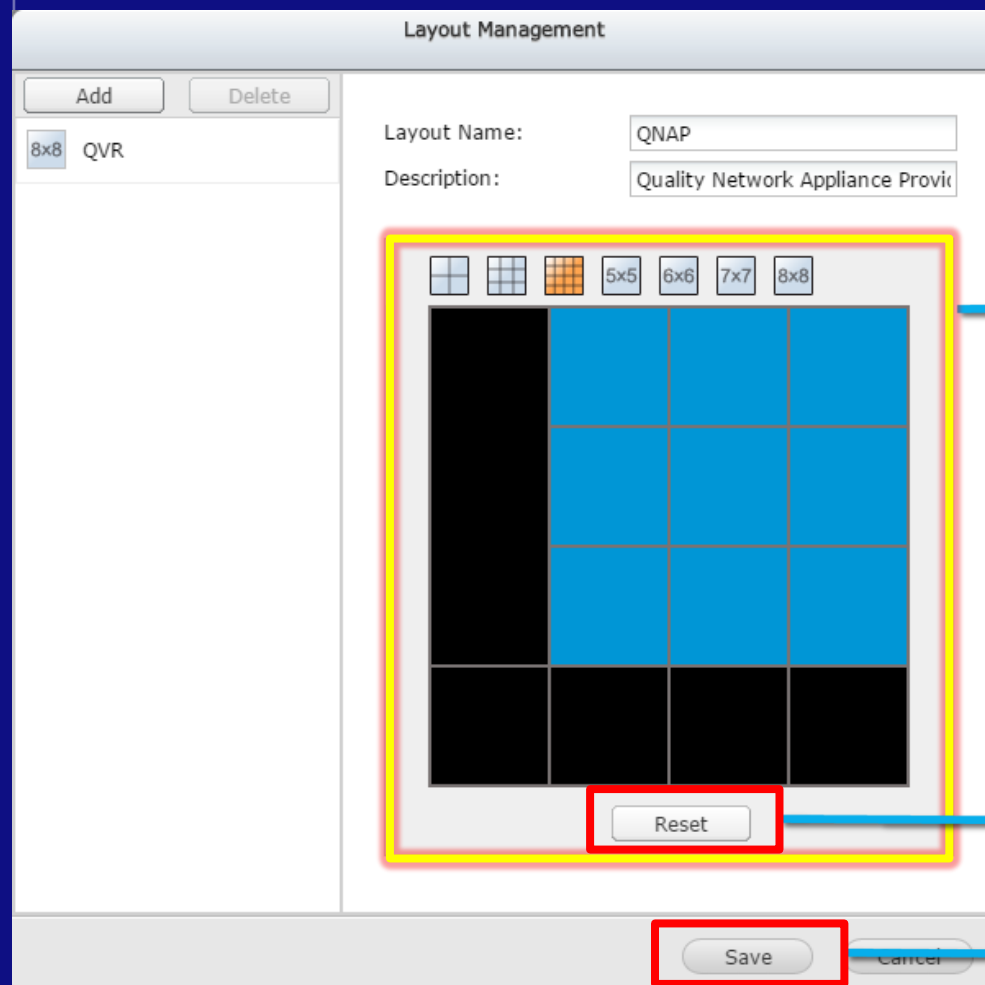
Customize your own view and manage views in View Management.

The screenshot displays the QNAP Surveillance Settings interface. On the left sidebar, the 'View Management' option is highlighted with a yellow and red border. The main content area shows a table of views under the 'Normal' tab. The table has columns for '#', 'View Name', 'Layout Name', 'Description', and 'Action'. Three views are listed: 'VioStor' (QVR layout), 'QNAP' (QNAP layout), and 'View 1' (8x8 layout). The 'Action' column for each view contains icons for edit, delete, and a layout preview icon. A blue arrow points from a text box to the layout preview icon for 'View 1', which shows a grid of 8x8 camera feeds.

#	View Name	Layout Name	Description	Action
1	VioStor	QVR	QNAP Video Recording System	[Edit] [Delete] [Layout Icon]
2	QNAP	QNAP	Quality Network Appliance Provider	[Edit] [Delete] [Layout Icon]
3	View 1	8x8	Flexible view and layout	[Edit] [Delete] [Layout Icon]

Move mouse over the icon to know the used layout

User-defined Layout



Flexible layout designs
without the limits of
4:3/16:9 aspect ratios

Easily reset to the default
layout

After finishing your design,
save the layout for the
template of a view

User-defined View

Add

View Name: Restore

Description:

Layout List: ⓘ

▼

Camera

- ▶ Camera 1
- ▶ Camera 2
 - Cam 2 - Virtual 1
 - Cam 2 - Virtual 2
 - Cam 2 - Virtual 3
- ▶ Camera 3

Preview



Streaming Priority:

1. Choose the layout to configure.
2. Drag the camera to the layout.
3. To remove a camera or e-Map from the layout, double-click on it or drag it to the left side.

Apply



Select & drag a physical or virtual camera to one grid of the layout

Apply changes and save your view design

Flexible View and Layout Design

Edit

View Name:

Description:

Layout List: ⓘ

Camera: ▼

Camera

- Camera 1
- ▶ Camera 2
- Camera 3
- Camera 4
- Camera 5
- Camera 6

Preview

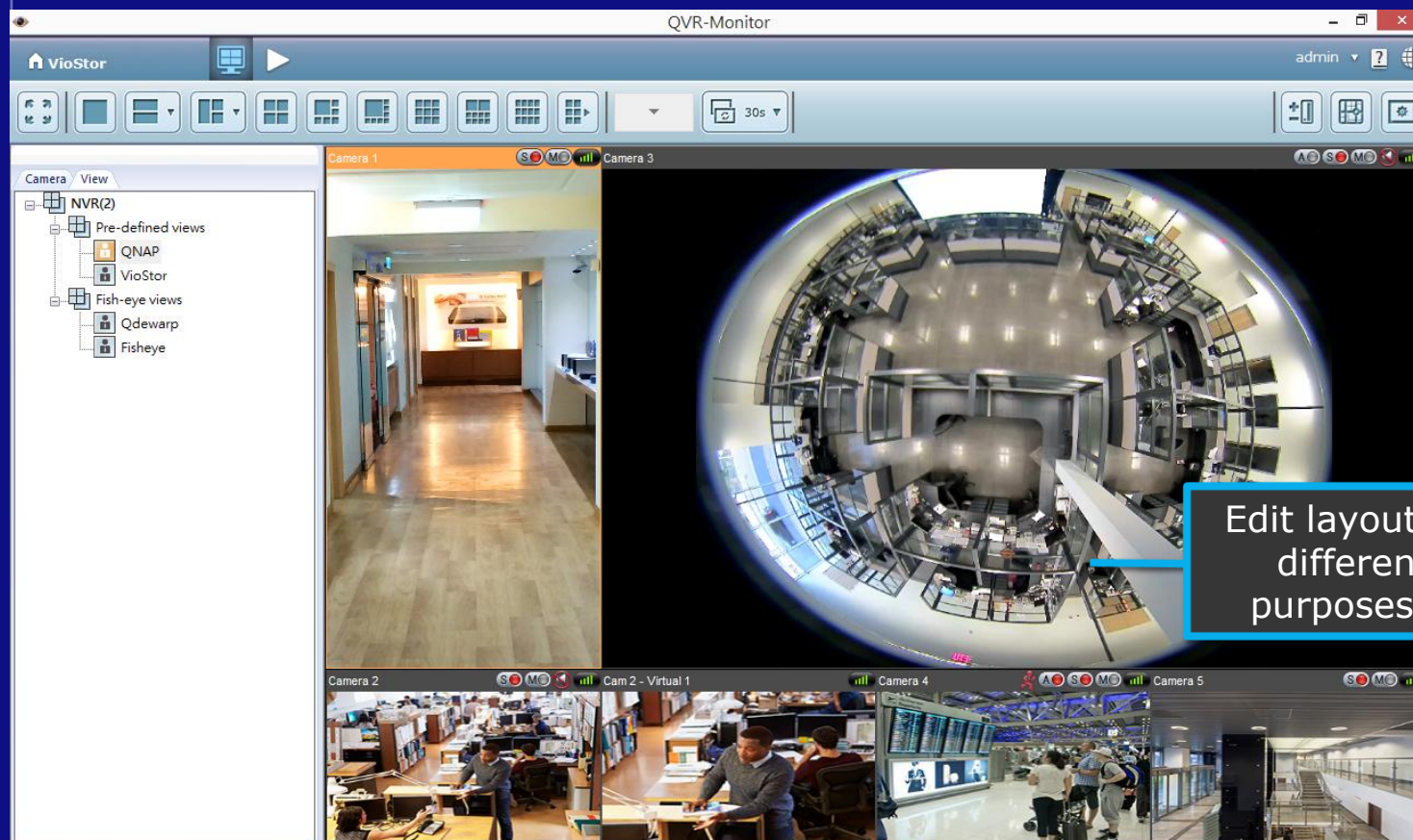


Streaming Priority: ▼

1. Choose the layout to configure.
2. Drag the camera to the layout.
3. To remove a camera or e-Map from the layout, double-click on it or drag it to the left side.

Edit layouts and views for different monitoring purposes and locations

Flexible View Layout



View management on QVR only supports the cameras on the server.

To configure the View for cameras from multiple servers, please use QSCM Lite (Central management app).

Recording

Flexible Options to Set Up IP Camera Recording



60 FPS Recording

There is no need to worry about missing any moment. 60 fps support allows for sharper and smoother recordings.

The screenshot displays the QNAP VioStor Surveillance Settings interface. A dialog box titled 'Add' is open, showing the 'Video Settings' section. The 'Frame Rate' is set to 60 FPS, which is highlighted with a yellow box. The background interface shows various settings tabs and a list of cameras.

Video Settings

Multi-stream Profile: User defined
Recording Mode: Smart Recording
Regular Recording: Stream 1
Alarm Recording: Stream 2

Stream	Video Compression	Resolution	Frame Rate	Quality
1	H.264	1920x1080	60	Compression 30
2	H.264	640x480	6	Compression 30
3	H.264	1280x720	30	Compression 30

☐ Enable audio recording on this camera
☒ Enable manual recording
☐ Enable real-time digital watermarking

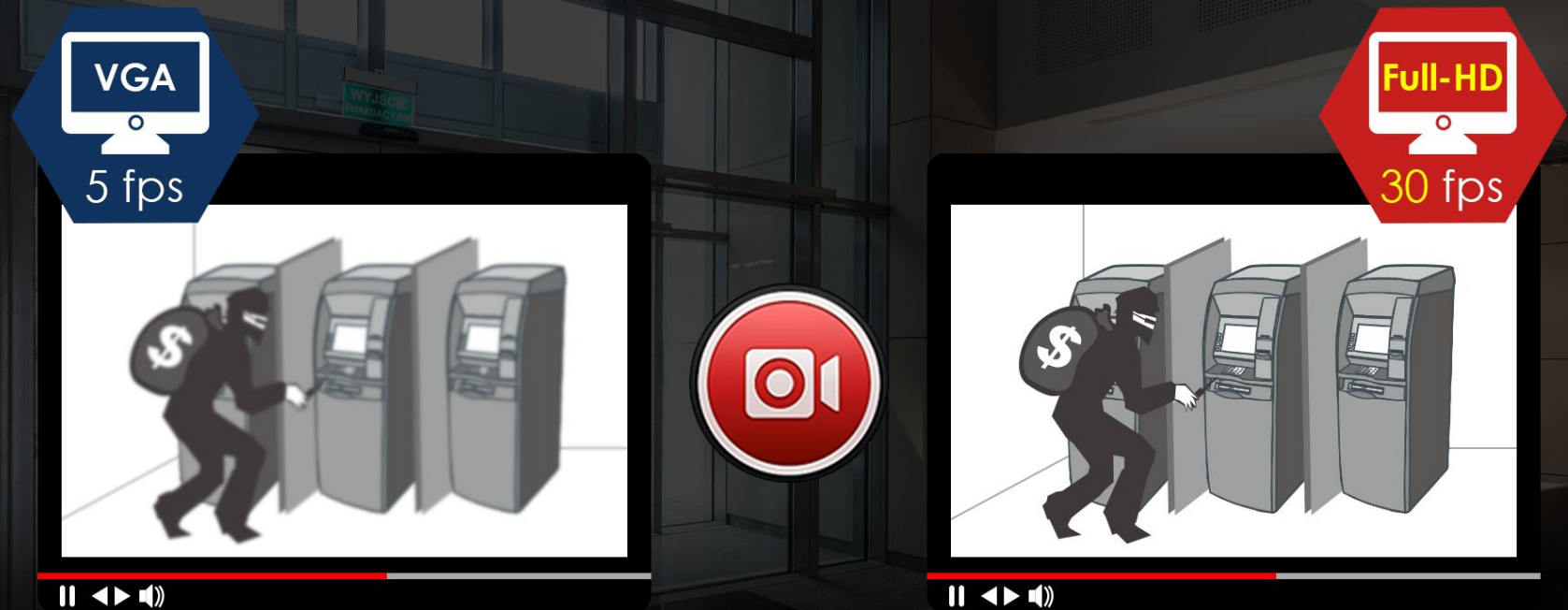
Step 3/6 Back Next Cancel

18:13
Thursday, June 25

QVR VS-4116UPro+

Dual Recording

Fit any Bandwidth Environment



Dual Recording

Enable dual recording to save both higher and lower quality recordings for further use.

The screenshot displays the QNAP VioStorNVR Surveillance Settings interface. The 'Edit' dialog box is open, showing the 'Video Settings' tab. The 'Recording Mode' is set to 'Dual-stream Recording'. The 'Main Stream' is 'Stream 1' and the 'Sub Stream' is 'Stream 2'. A table lists the configuration for three streams:

Stream	Video Compression	Resolution	Frame Rate	Quality
1	H.264	2592x1944	Full	Compression 30
2	H.264	640x360	6	Compression 30
3	H.264	1280x720	6	Compression 30

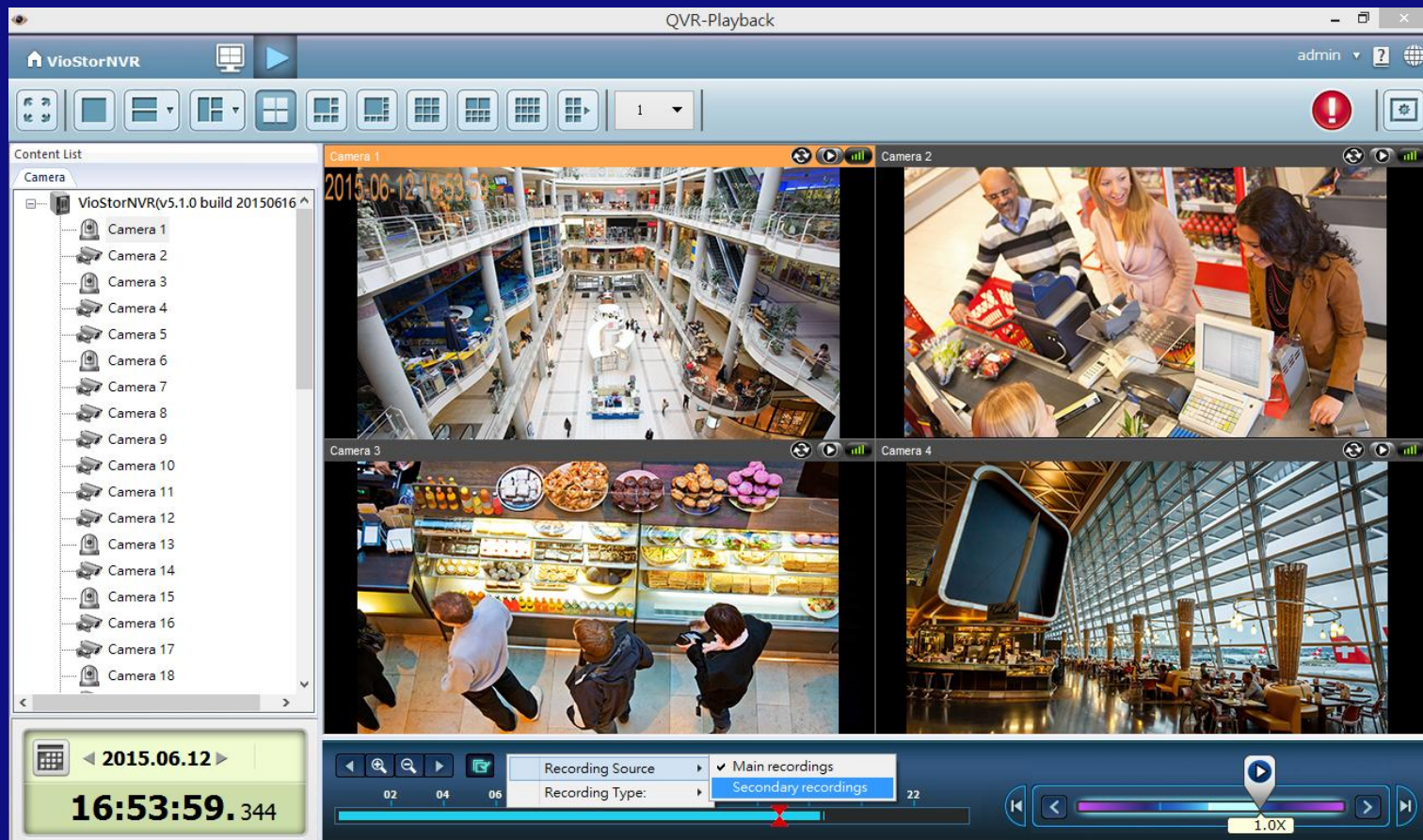
Below the table, the following options are visible:

- ☐ Enable audio recording on this camera
- ☒ Enable manual recording
- ☐ Enable real-time digital watermarking
- ☐ Minimum number of days recording files are kept 1 day(s)

The 'Apply' and 'Cancel' buttons are at the bottom right of the dialog. The background shows the VioStorNVR interface with a sidebar menu and a top status bar. The bottom of the screen displays the time '15:16' and the date 'Thursday, June 18'. The bottom right corner shows the 'QVR' logo and the model 'VS-2212 Pro+'.

Dual Recording

In the playback page, you can easily select appropriate videos for playback using the multi-channel display mode.



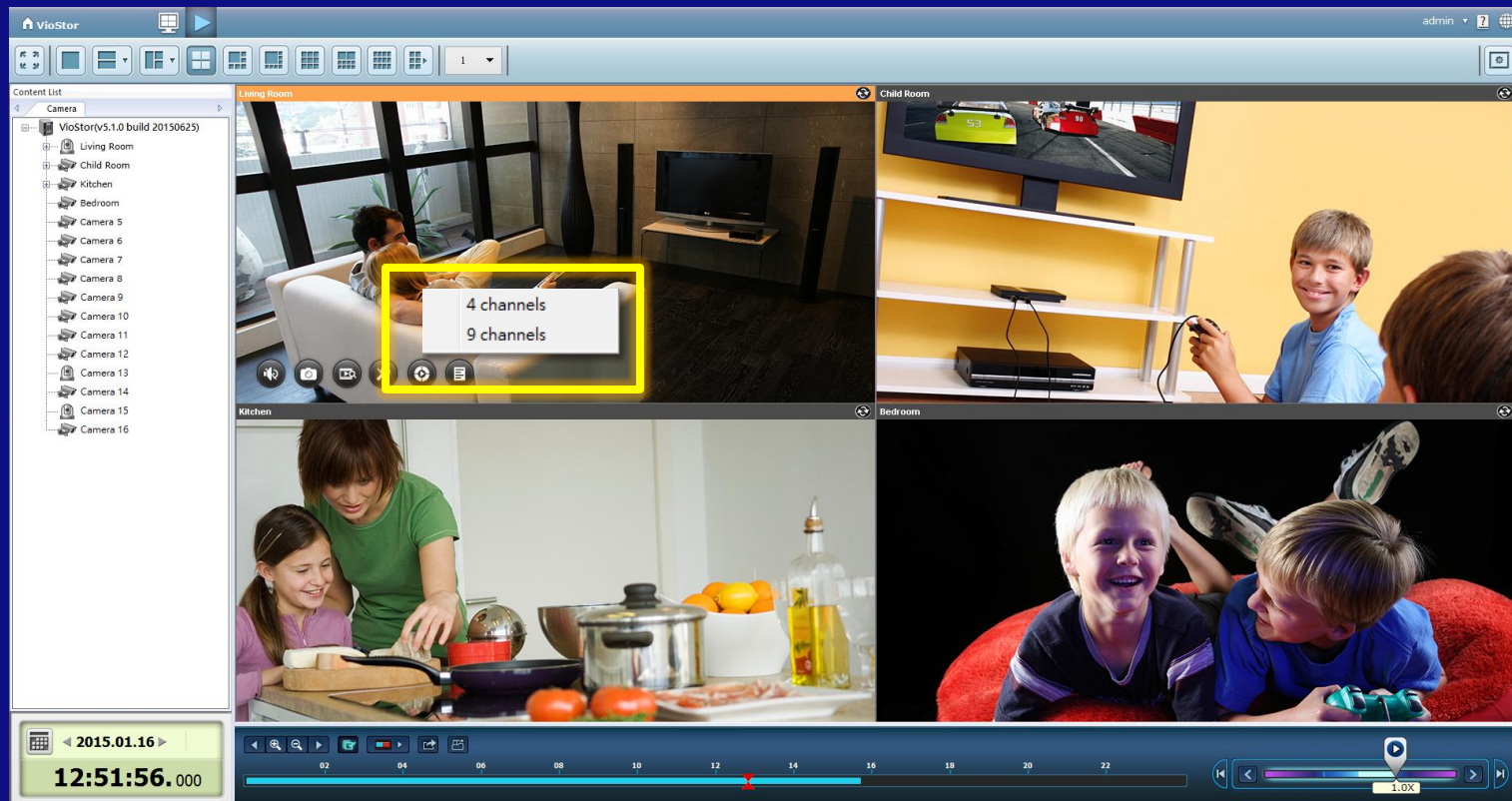
Playback

QVR Client for Windows

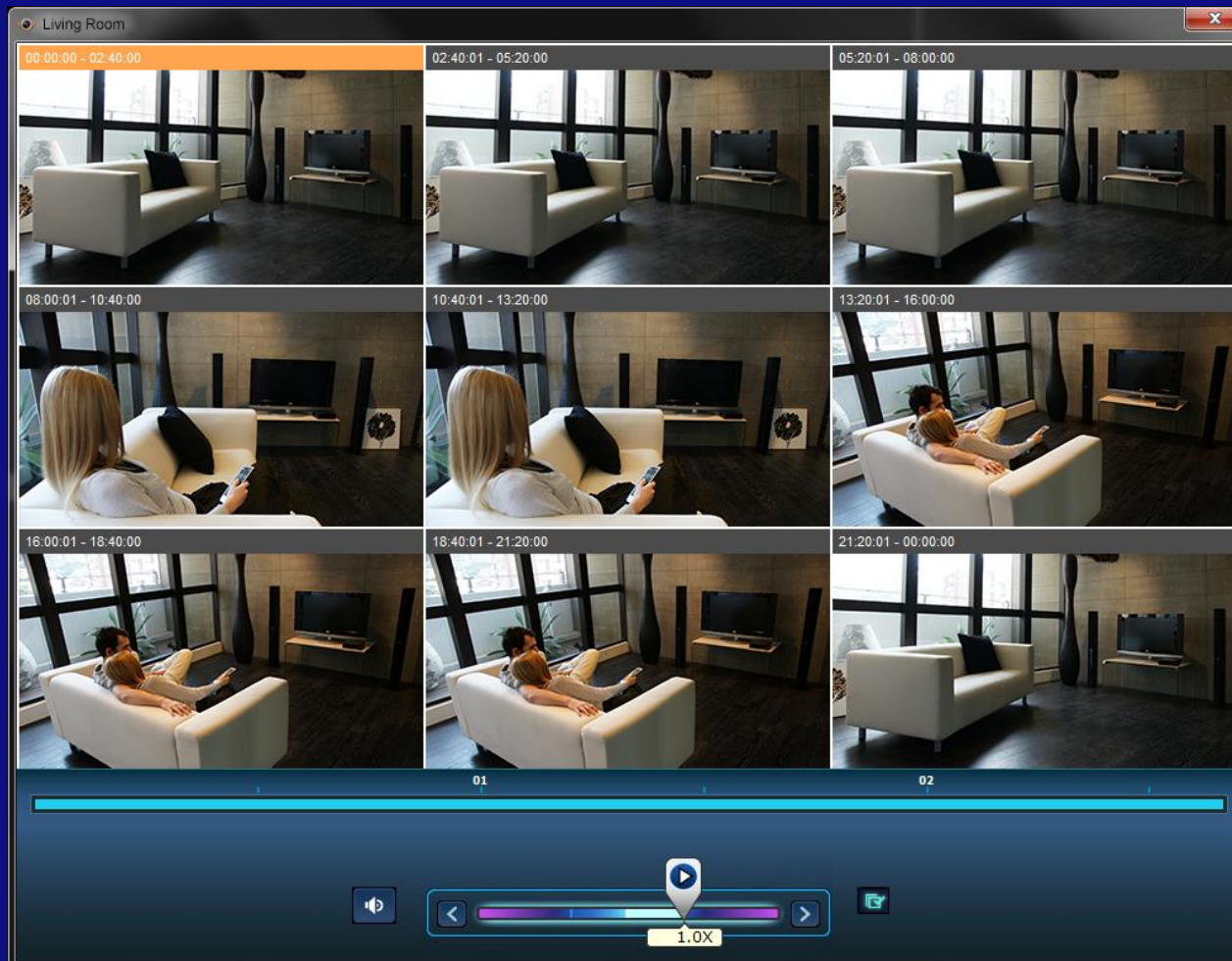


Time-divided Playback for One Day Recording

Select a 4 or 9 channel time-divided playback.

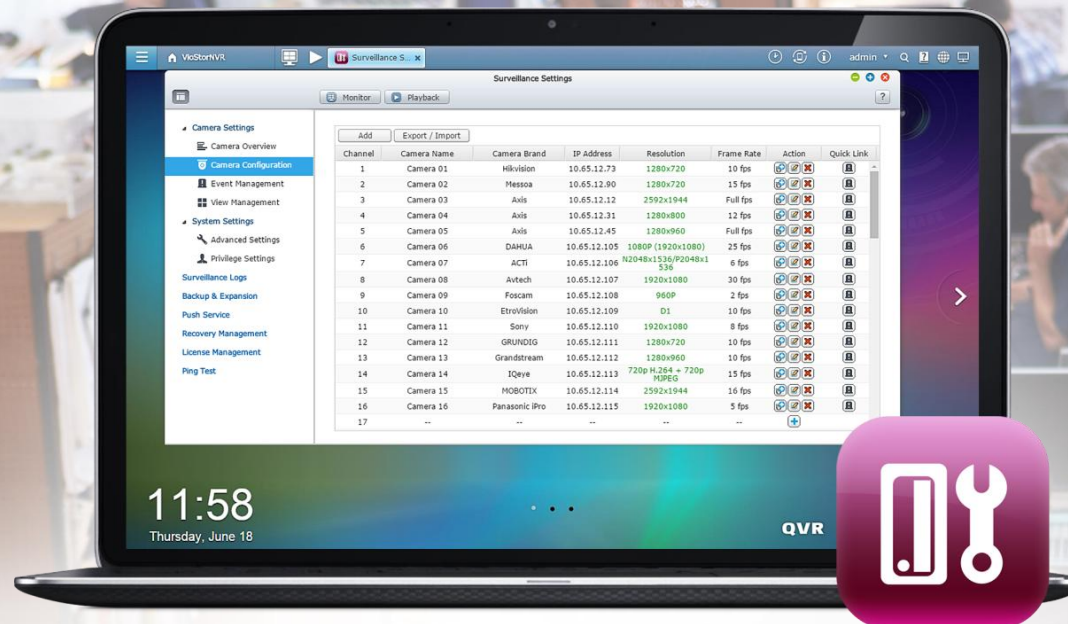


9 Channel Time Divided Playback for One Day Recording



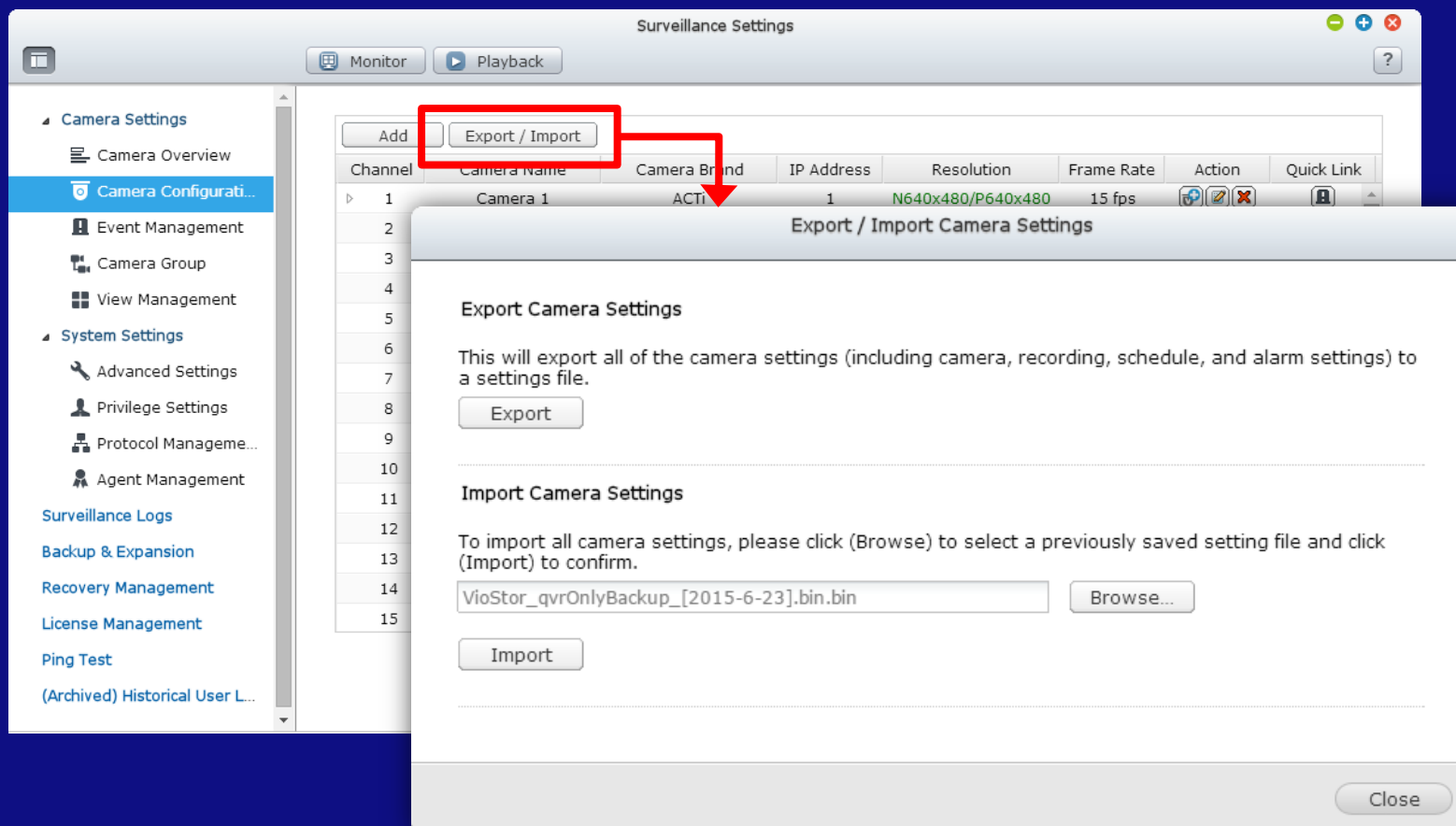
Surveillance settings

Camera Configuration Enhancement



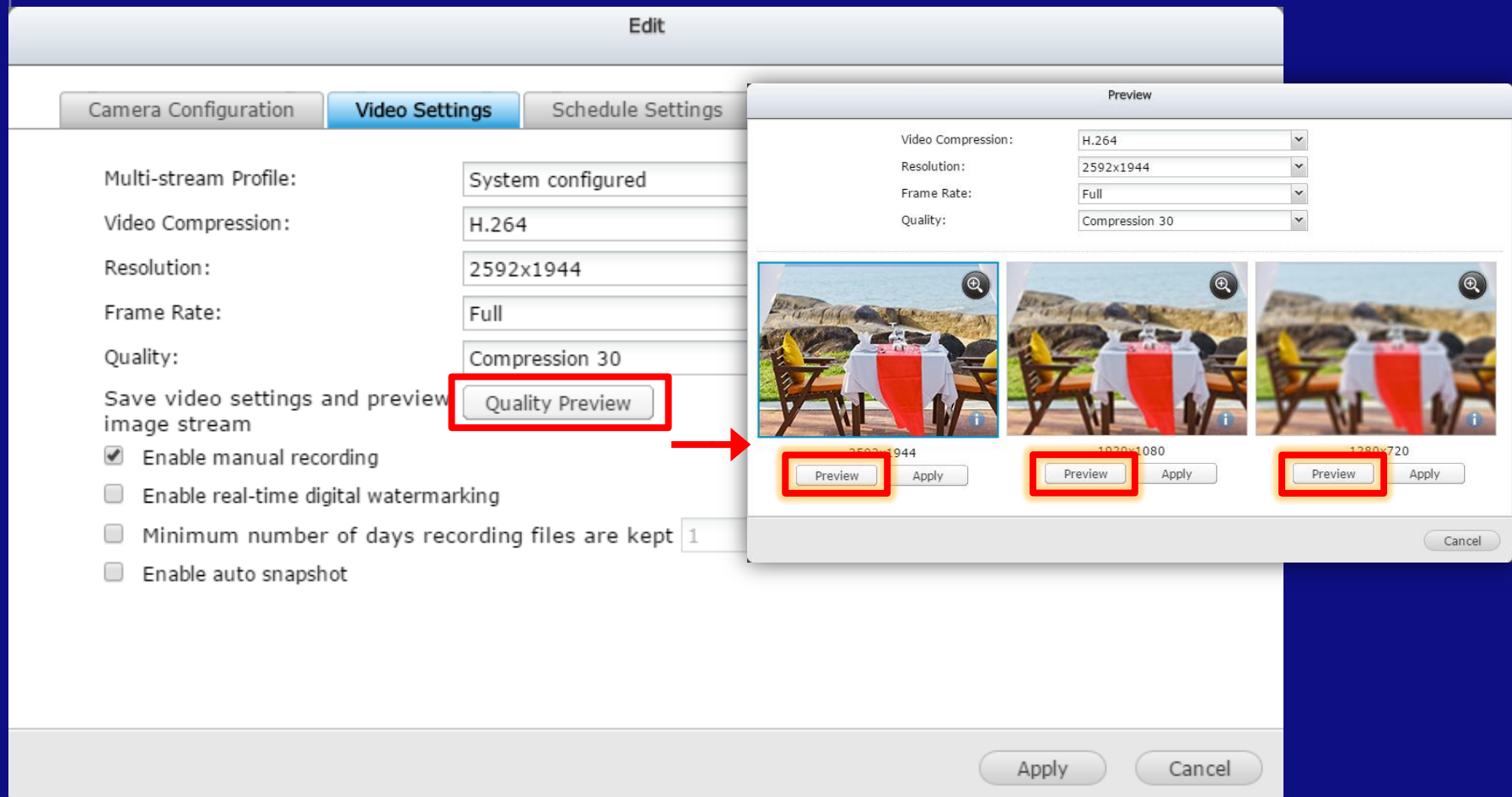
Export / Import Camera Settings

Save time in installing cameras by importing settings from other NVRs.



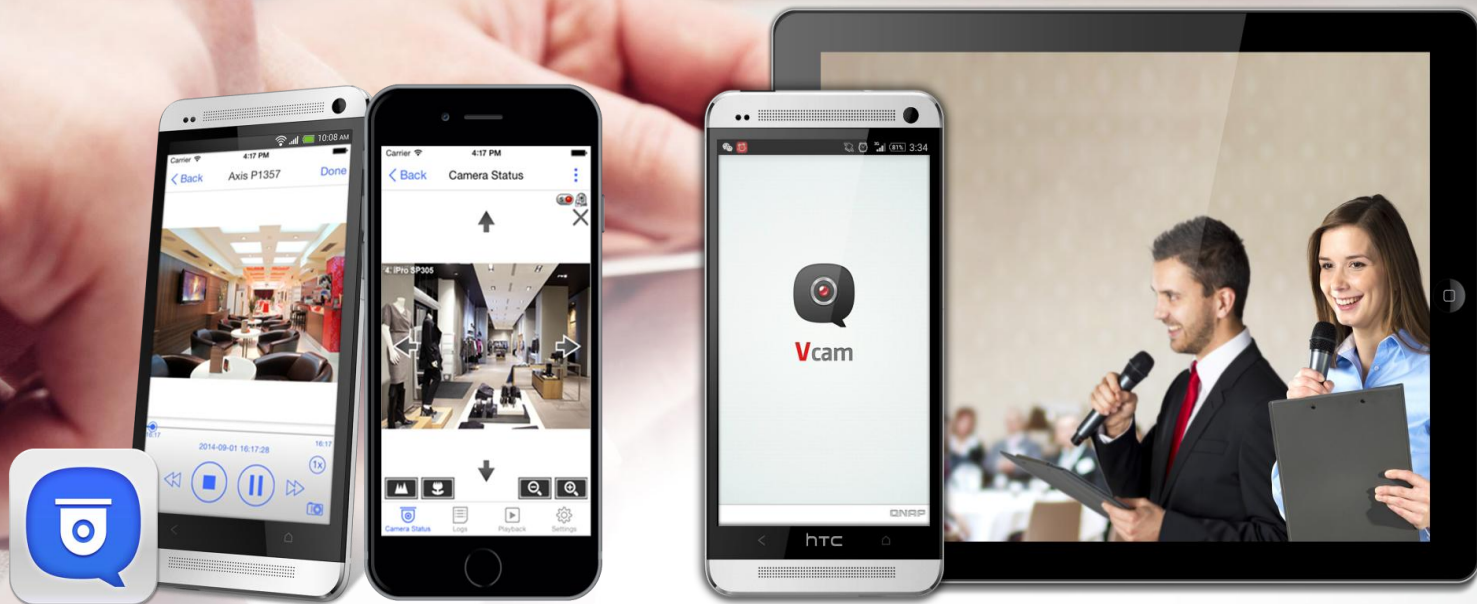
Camera Preview

Preview different video settings before applying them to recording settings.



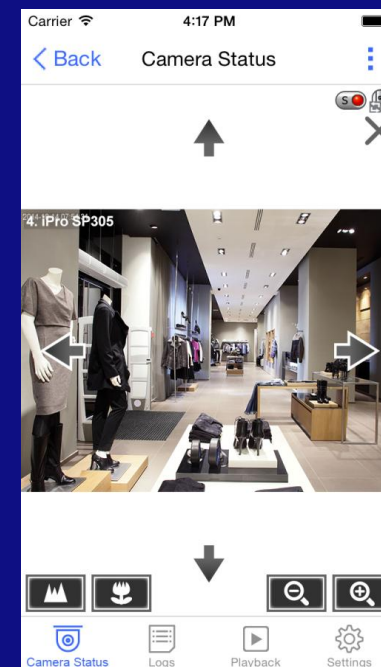
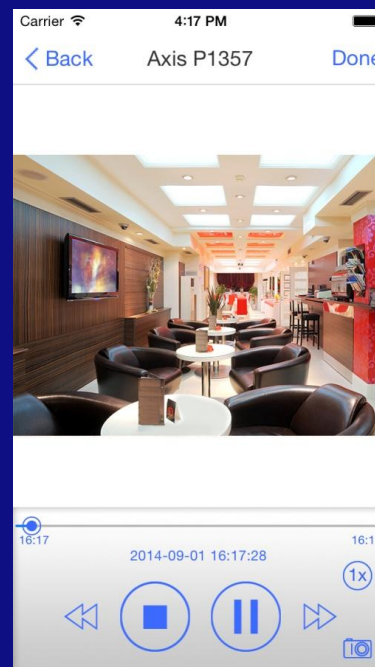
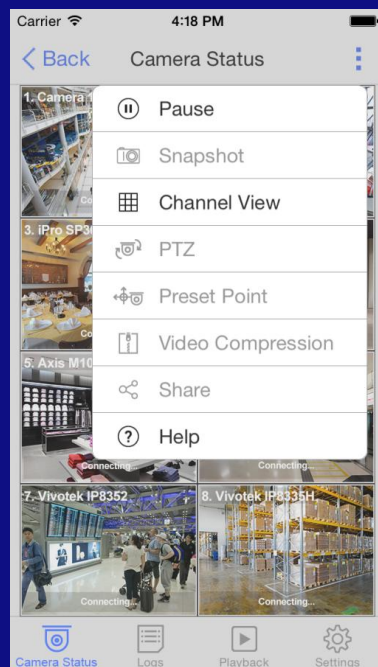
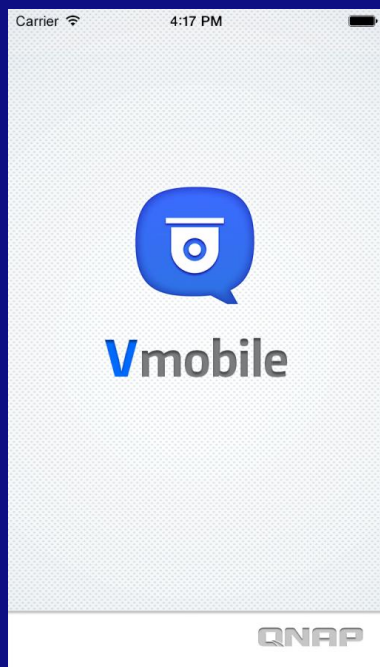
VMobile and Vcam App

Mobile Surveillance Apps



Vmobile 3.1

- Live view, playback and event notifications
- Brand new GUI designs for iOS and Android
- Supports push notification (for QVR 5.1.0 or above)
- Supports low bandwidth mode in live view (for QVR5.0.2 or above)
- Supports low bandwidth mode in Playback (for QVR 5.1.0 or above)



For more information, please refer to [Vmobile tutorial](#).

Vcam

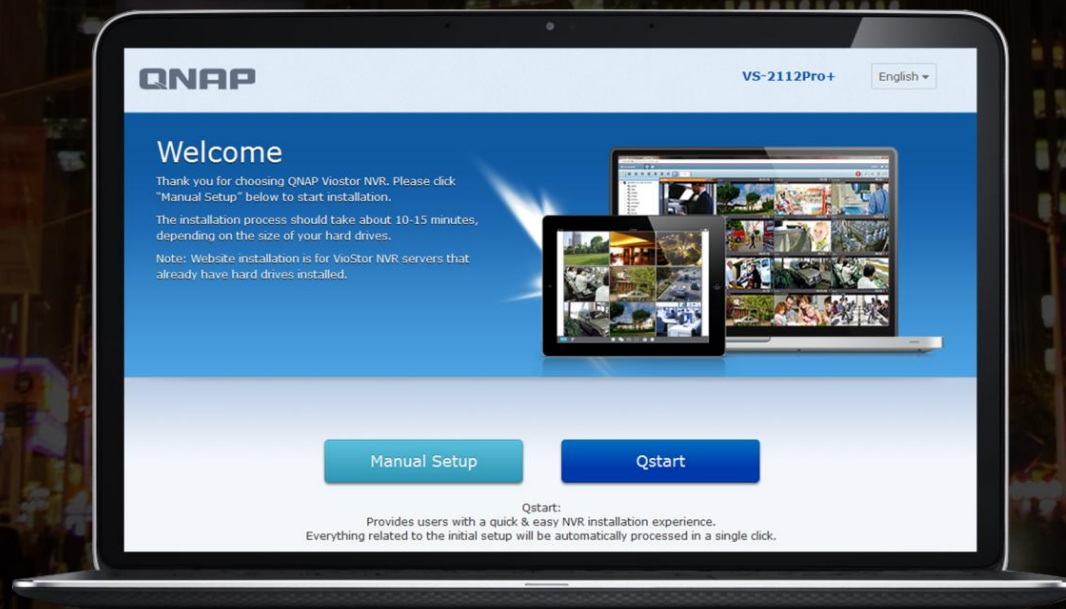
- Use your mobile device as an IP camera or mobile camera.
- Record to a VioStor NVR or upload live images anywhere, anytime.



For more information, please refer to [Vcam tutorial](#).

Qstart

Auto configuration / Auto port detection / Switch management



Qstart is available for 2-bay, 4-bay, 6-bay Tower NVR series

Innovative One-click Automatic Configuration

Qstart simplifies system initialization by automatically assigning default settings with a single click.

VS-2112Pro+English ▾

Welcome

Thank you for choosing QNAP VioStor NVR. Please click "Manual Setup" below to start installation.

The installation process should take about 10-15 minutes, depending on the size of your hard drives.

Note: Website installation is for VioStor NVR servers that already have hard drives installed.



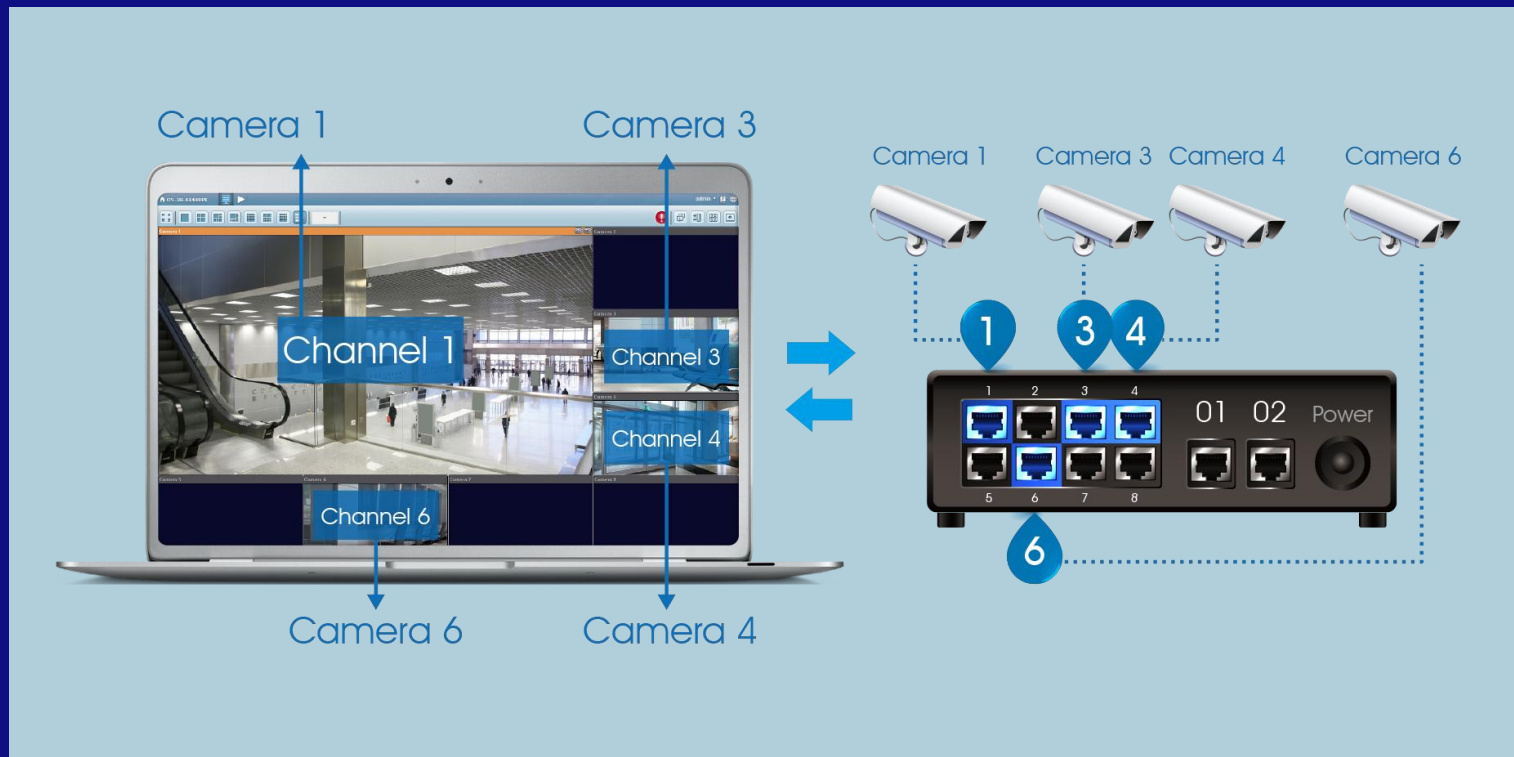
Manual Setup

Qstart

Qstart:
Provides users with a quick & easy NVR installation experience.
Everything related to the initial setup will be automatically processed in a single click.

Intuitive Channel Mapping, Auto Port Detection

The auto detection not only shows the direct linkage from switch ports to live view display but automatically completes all of the settings whenever there is any change to the port connection.



Network Topology & Device Control UI

By integrating supported switches, Qstart provides comprehensive network topology and a device list for users to fully manage network health and device status.

The screenshot displays the 'Switch Control' interface. At the top, there's a 'Topology' tab and buttons for 'Refresh' and 'Event Notifications'. Below this, a 'Switch' section shows a visual representation of the switch hardware, including 24 ports, a console, and power indicators. To the right, a 'Switch Info' panel provides details: Firmware Version (101140429), IP Address (169.254.101.199), Mac Address (00:03:ce:13:e5:f5), Total Power (400.00), and Remaining Power (375.00).

Port	IP Address	MAC Address	Transferred	Received	Link Status	Consumed Power	Network Switch	POE Switch	Reset Transfe...
1	169.254.198.1	3c:07:71:29:37:fc	737.75 KB	15.54 MB	on / 0Mbps	4.30 w	ON	ON	
2	169.254.101.192	08:00:23:96:33:5d	691.27 KB	11.81 MB	on / 0Mbps	2.50 w	ON	ON	
3	--	--	--	--	off / 0Mbps	0.00 w	OFF	OFF	
4	169.254.101.193	08:00:23:95:a4:8e	665.05 KB	11.13 MB	on / 0Mbps	2.70 w	ON	ON	
5	169.254.101.195	08:00:23:95:a6:a7	661.95 KB	12.08 MB	on / 0Mbps	1.80 w	ON	ON	
6	169.254.101.197	00:0f:7c:09:ae:bf	486.94 KB	46.29 KB	on / 0Mbps	2.40 w	ON	ON	

For more information, please refer to www.qnapsecurity.com/feature/Qstart/.

Thank you!

www.qnapsecurity.com