



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 main window is titled 'Control Panel' and contains a 'Surveillance Settings' sub-window. The 'Surveillance Settings' window features a table of camera configurations. The table has the following columns: Channel, Camera Name, Camera Brand, IP Address, Resolution, Frame Rate, Action, and Quick Link. The table lists 16 cameras with various specifications. A sidebar on the left shows a navigation menu with 'Camera Configuration' selected. The background shows a desktop environment with a clock displaying 18:05 on Monday, June 8, and a system tray 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	[Stop] [Refresh] [Help]	[Link]
2	Camera 02	HUNT	10.65.12.101	2562x1944	15 fps	[Stop] [Refresh] [Help]	[Link]
3	Camera 03	Axis	10.65.12.102	2562x1944	15 fps	[Stop] [Refresh] [Help]	[Link]
4	Camera 04	Canon	10.65.12.103	1920x1080	30 fps	[Stop] [Refresh] [Help]	[Link]
5	Camera 05	Arecont	10.65.12.104	Full	1 fps	[Stop] [Refresh] [Help]	[Link]
6	Camera 06	BeWARD	10.65.12.105	1280x720	10 fps	[Stop] [Refresh] [Help]	[Link]
7	Camera 07	ACTi	10.65.12.106	N2048x1536/P2048x1536	6 fps	[Stop] [Refresh] [Help]	[Link]
8	Camera 08	Avtech	10.65.12.107	1920x1080	30 fps	[Stop] [Refresh] [Help]	[Link]
9	Camera 09	Foscam	10.65.12.108	960P	2 fps	[Stop] [Refresh] [Help]	[Link]
10	Camera 10	EtrorVision	10.65.12.109	D1	10 fps	[Stop] [Refresh] [Help]	[Link]
11	Camera 11	Sony	10.65.12.110	1920x1080	8 fps	[Stop] [Refresh] [Help]	[Link]
12	Camera 12	GRUNDIG	10.65.12.111	1280x720	10 fps	[Stop] [Refresh] [Help]	[Link]
13	Camera 13	Grandstream	10.65.12.112	1280x860	10 fps	[Stop] [Refresh] [Help]	[Link]
14	Camera 14	IQeye	10.65.12.113	720p H.264 + 720p MJPEG	15 fps	[Stop] [Refresh] [Help]	[Link]
15	Camera 15	MOBOTIX	10.65.12.114	2592x1944	16 fps	[Stop] [Refresh] [Help]	[Link]
16	Camera 16	Panasonic iPro	10.65.12.115	1920x1080	5 fps	[Stop] [Refresh] [Help]	[Link]
17	--	--	--	--	--	[Stop] [Refresh] [Help]	[Link]
18	--	--	--	--	--	[Stop] [Refresh] [Help]	[Link]

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

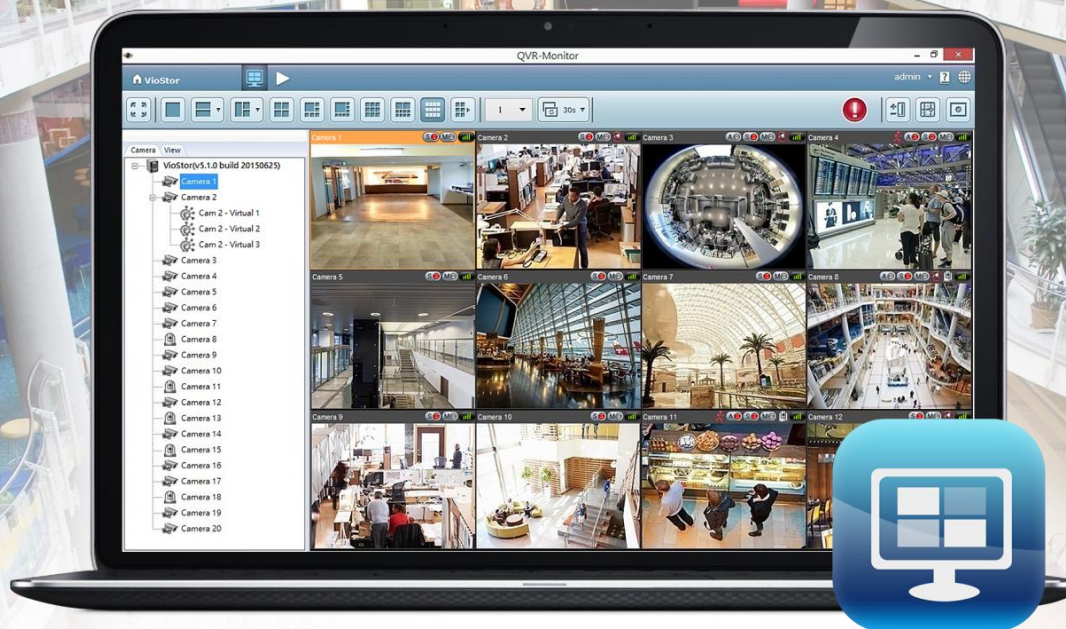
Playback and Speed Control by Shuttle Bar

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



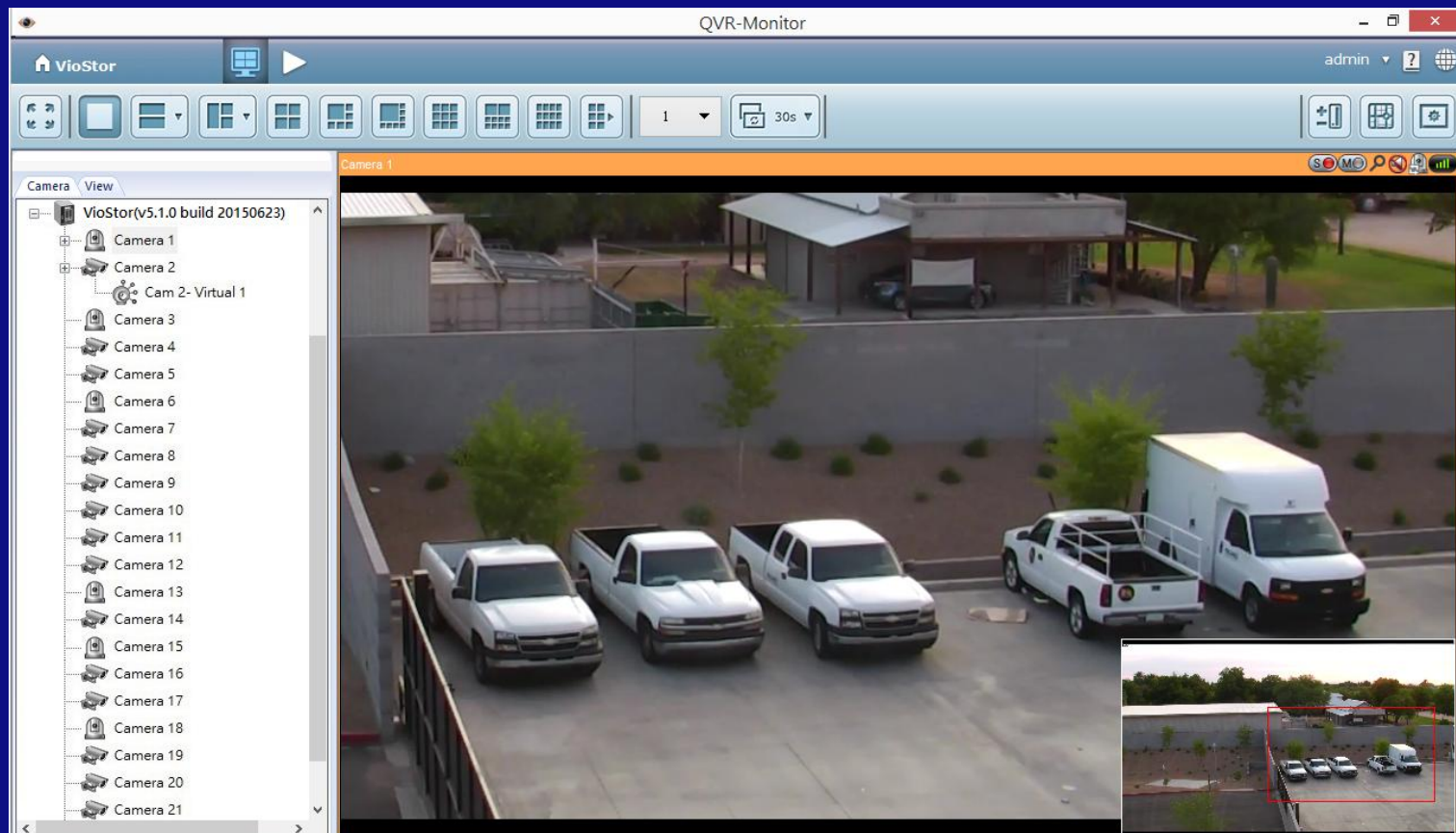
Interactive Control Buttons

The screenshot displays the VioStor web interface. At the top, there is a navigation bar with the VioStor logo and a play button. Below this is a toolbar with various camera control icons and a dropdown menu showing '1' and a '30s' timer. On the left side, there is a 'Camera View' sidebar listing several camera locations: 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 a concert hall, labeled 'London' at the top. Overlaid on the bottom of the video feed are ten interactive control buttons, each with a corresponding icon and a label in a blue box:

- Manual Recording**: Represented by a red target icon.
- Audio**: Represented by a speaker icon.
- Snapshot**: Represented by a camera icon.
- Digital Zoom**: Represented by a magnifying glass icon.
- Instant Playback**: Represented by a play button icon.
- PTZ Mode**: Represented by a globe icon.
- Preset Point**: Represented by a gear icon with the number '123'.
- Camera Configuration**: Represented by a wrench icon.
- Camera Information**: Represented by a document icon.
- ROI**: Represented by a camera icon with a red box.

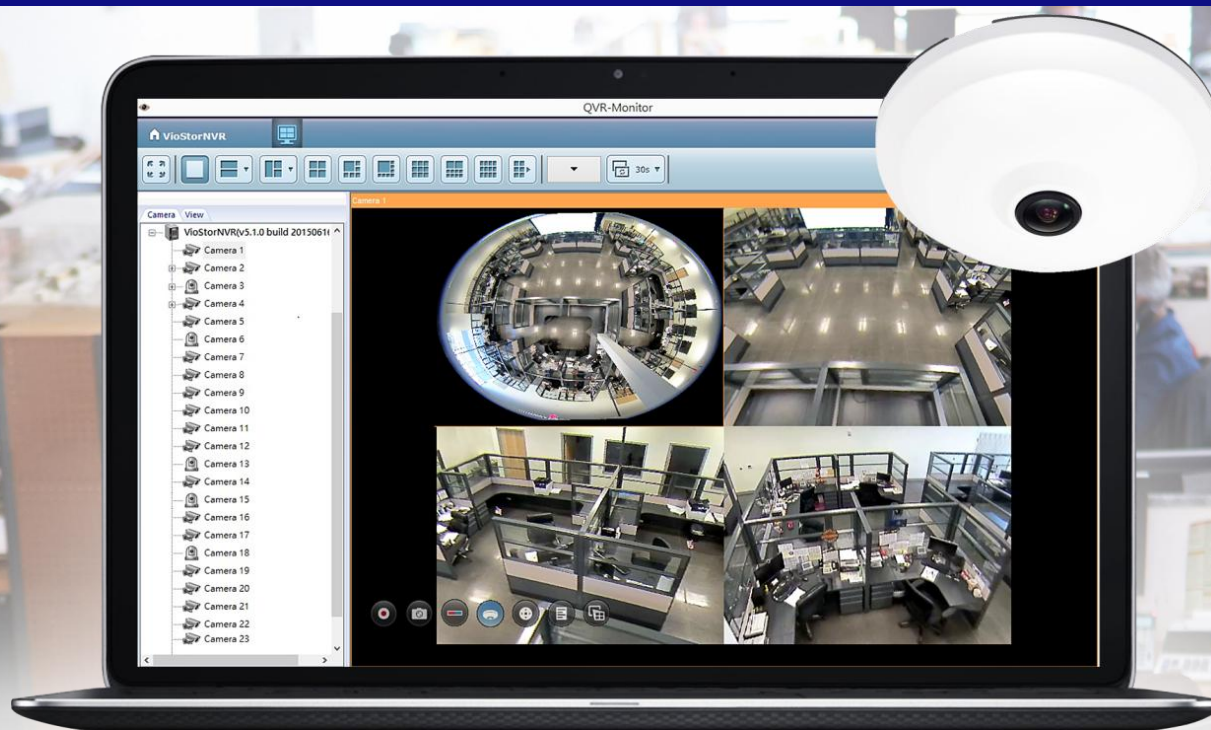
Zoom in to See Details

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



Qdewarp

QNAP Fisheye Dewarp technology



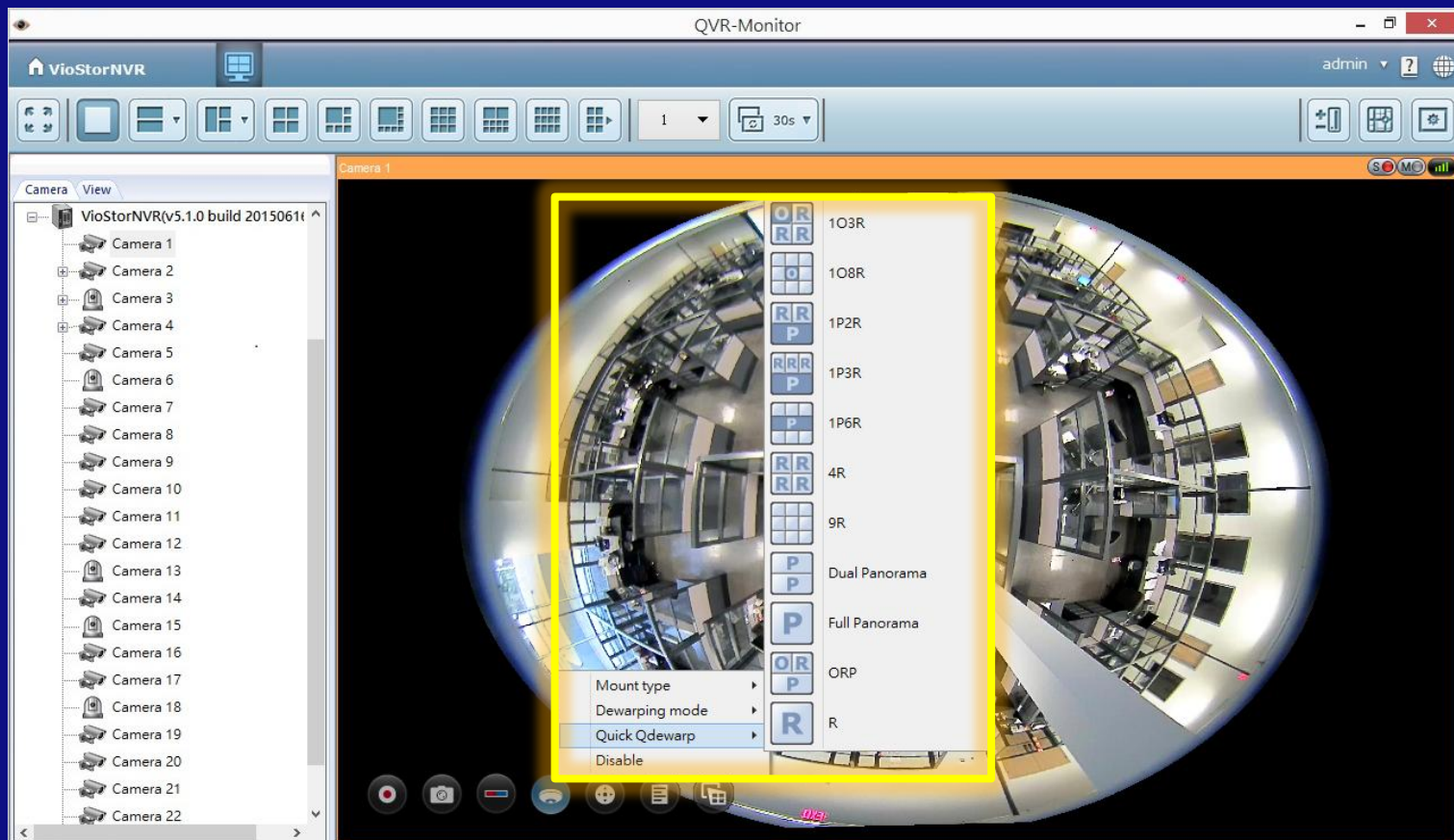
Dewarp Technology for Generic Fisheye Cameras

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

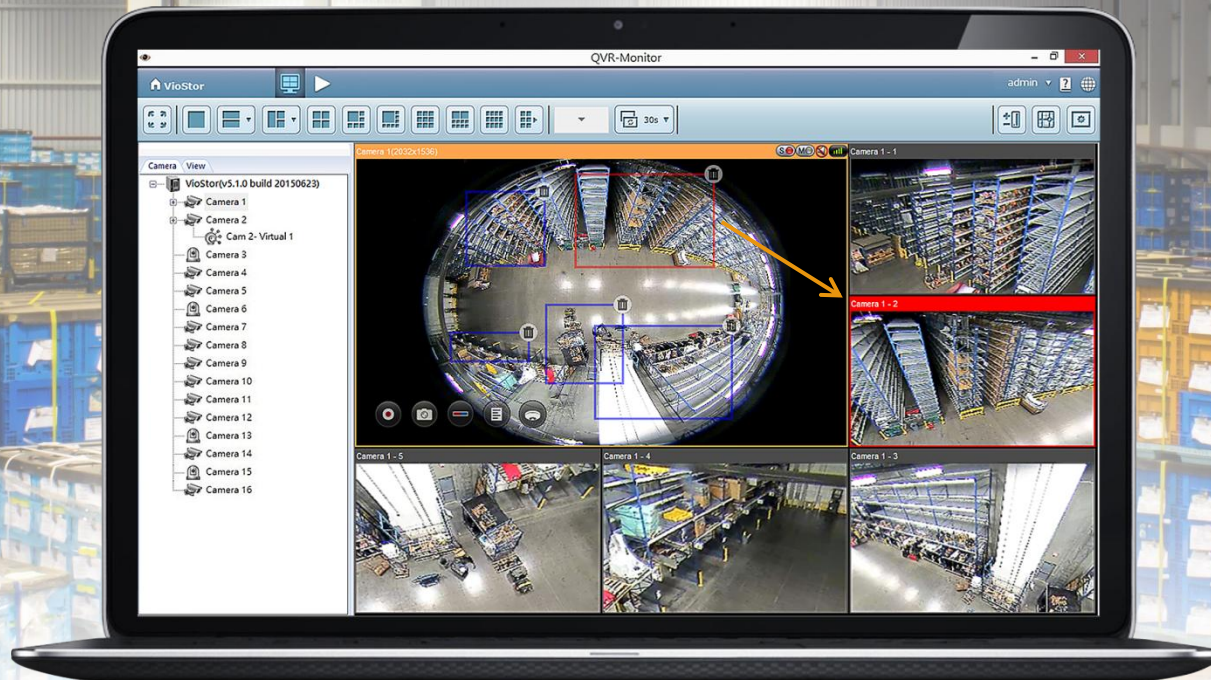
Supports Multiple Fisheye Dewarping Modes

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



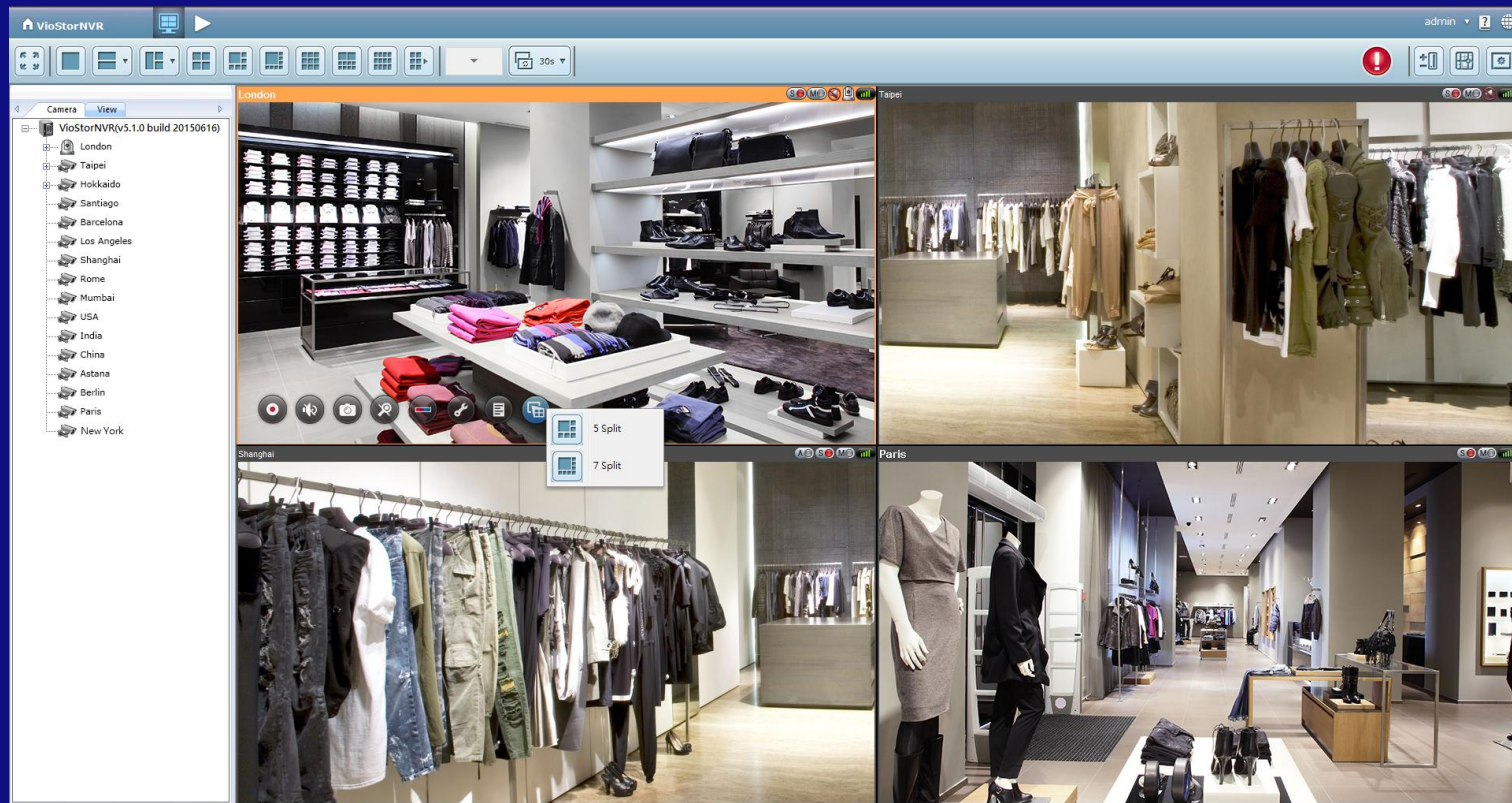
ROI

Region of Interest



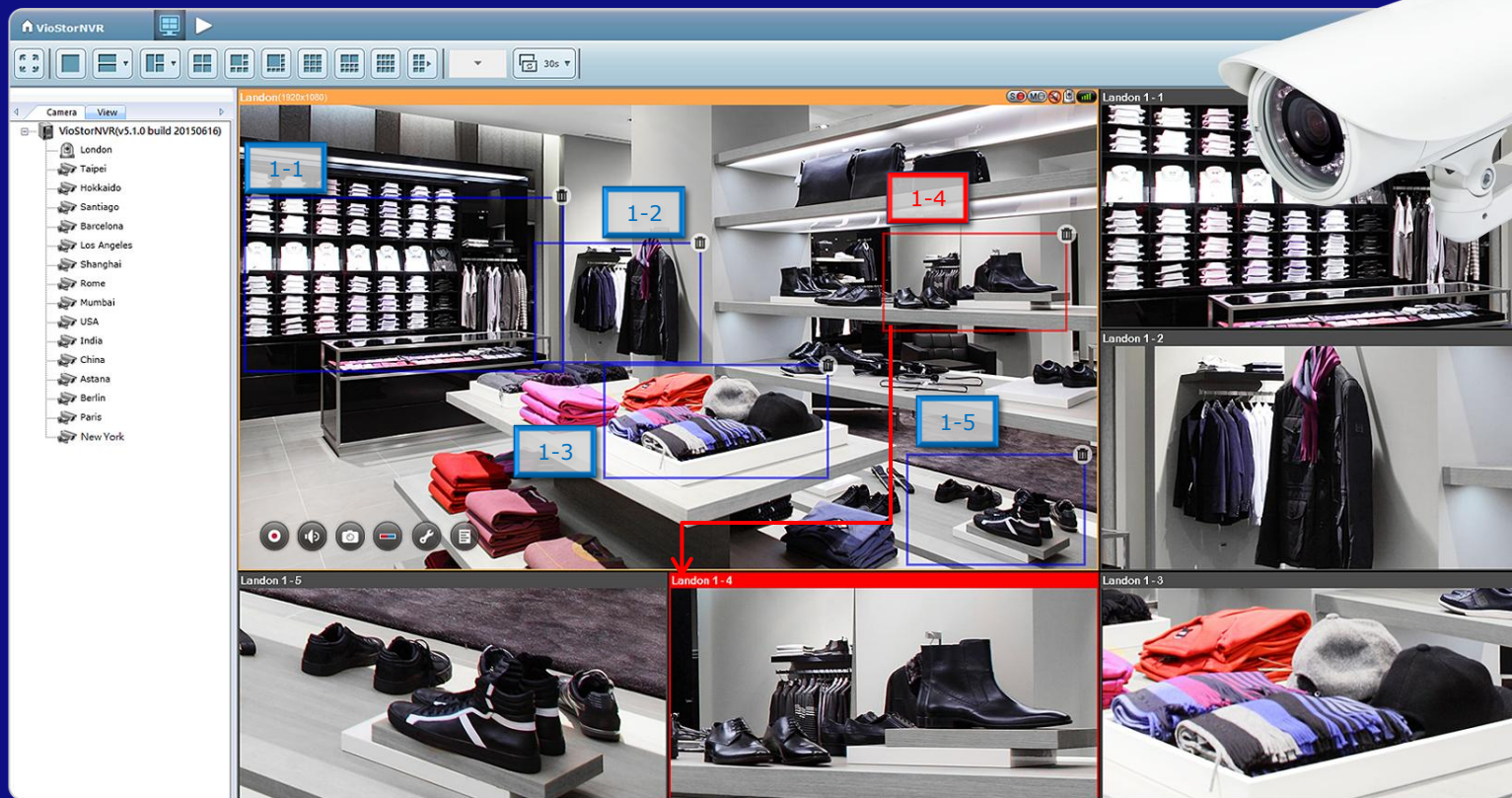
Independent ROI Interface

Select a 5 or 7 split view.



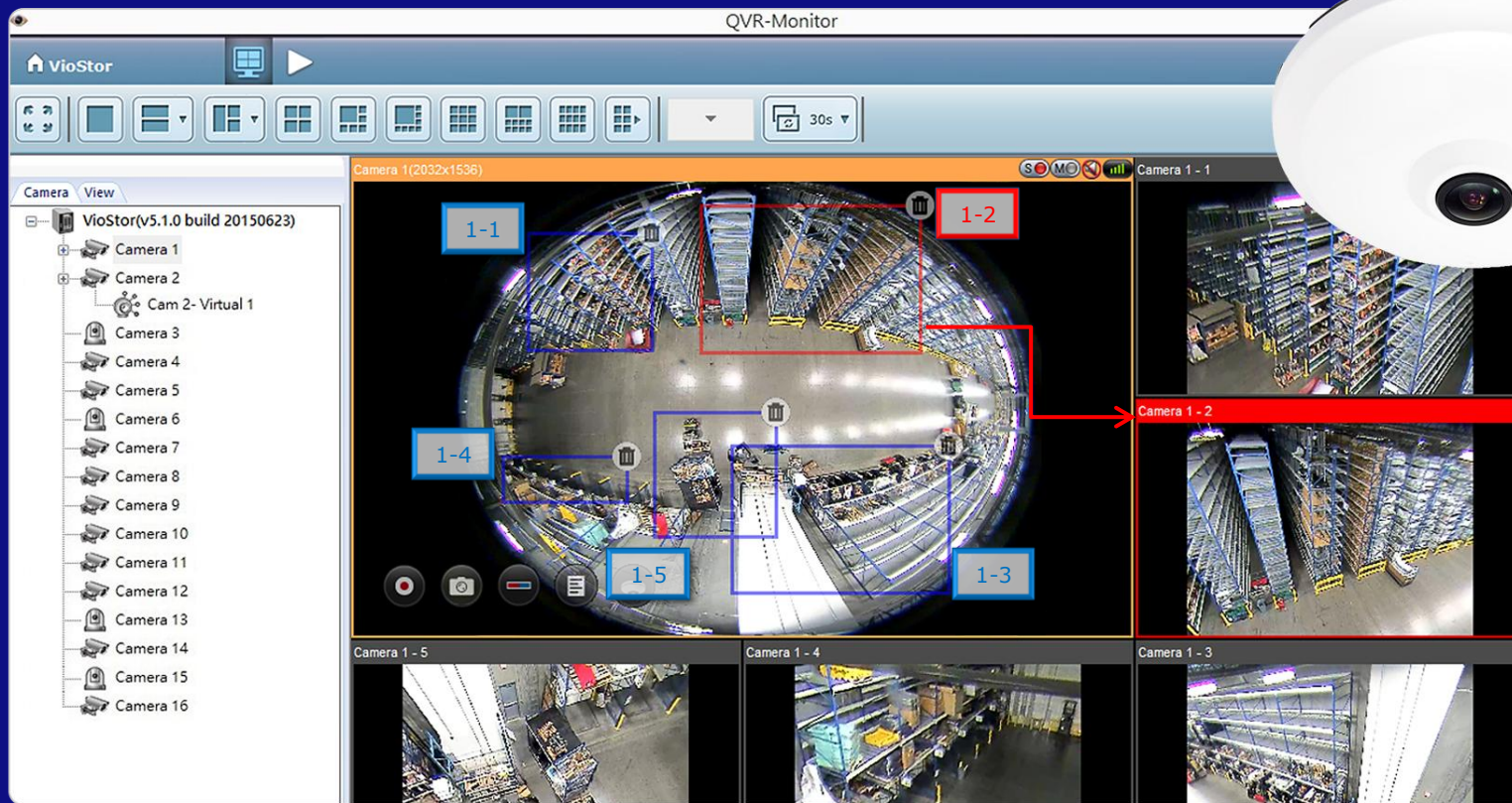
ROI View

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 'Surveillance Settings' window is open, showing a table of cameras. A red arrow points from the 'Add' button in the table to the 'Add' dialog box. The dialog box contains the following fields:

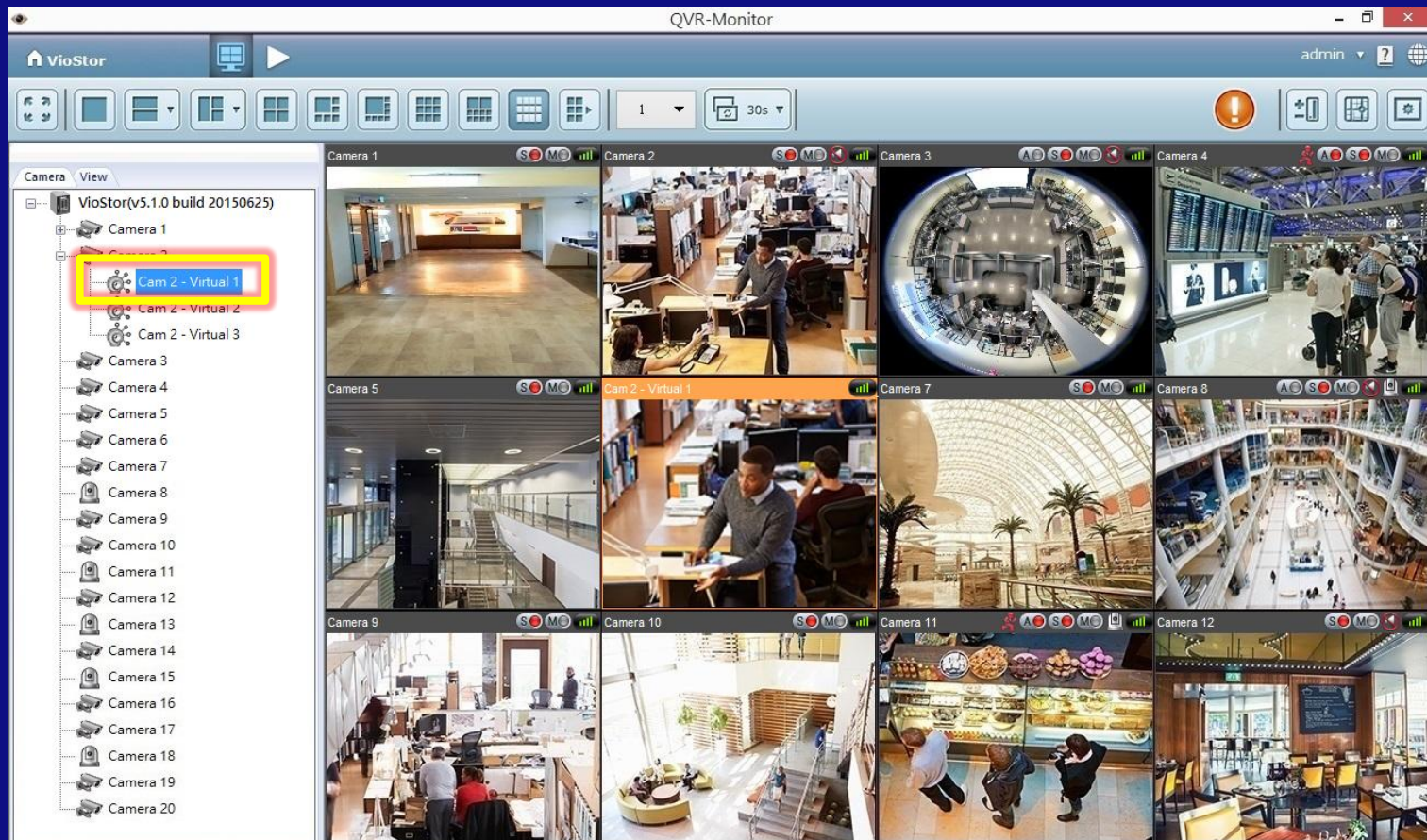
- Channel: Channel2
- Camera Name: Camera 2
- Virtual Camera Name: Cam 2- Virtual 1
- Virtual Camera Index: 1
- Position (compared to upper-left corner):
 - Horizontal Offset(%): 25
 - Vertical Offset(%): 25
- Area Size of Virtual Camera:
 - Height(%): 50
 - Width(%): 50

The dialog also includes a preview window titled 'Preview Virtual Camera' showing a video feed of a person at a desk. The 'Apply' and 'Cancel' buttons are at the bottom.

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

Virtual Camera

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



View Management

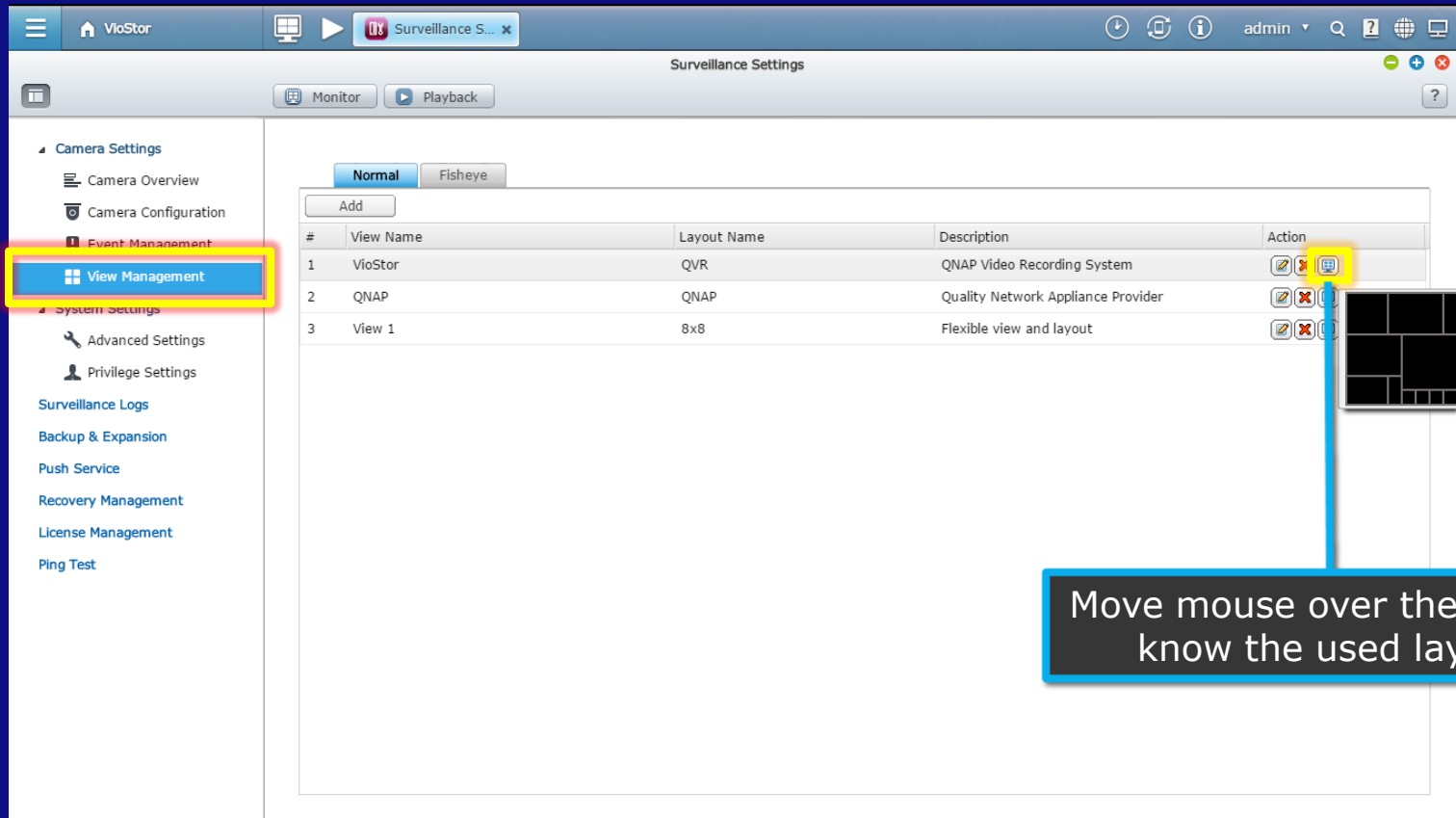
Customize Your Own Layouts and Views



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

Flexible View Management

Customize your own view and manage views in View Management.



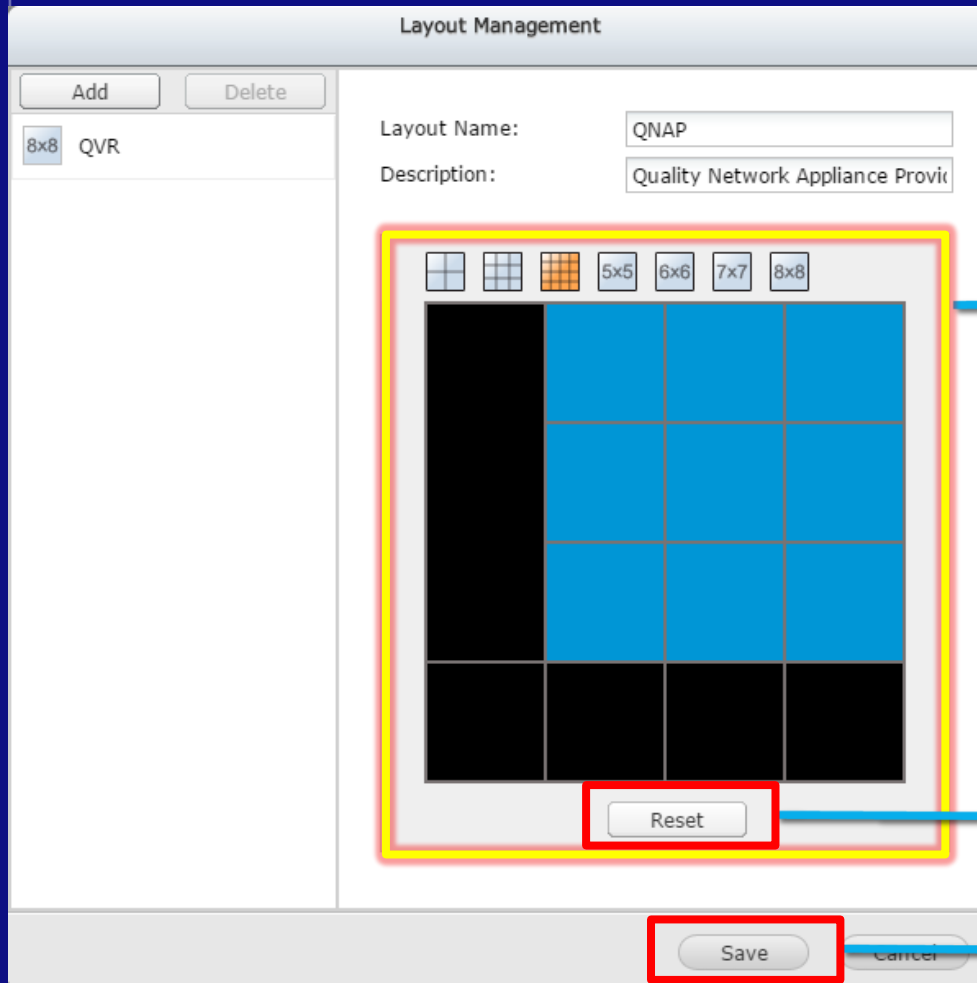
The screenshot displays the QNAP Surveillance Settings interface. The left sidebar contains a navigation menu with the following items: Camera Settings (Camera Overview, Camera Configuration, Event Management, View Management), System Settings (Advanced Settings, Privilege Settings), Surveillance Logs, Backup & Expansion, Push Service, Recovery Management, License Management, and Ping Test. The 'View Management' item is highlighted with a yellow and red border. The main content area shows the 'Surveillance Settings' window with 'Monitor' and 'Playback' buttons. Below these are tabs for 'Normal' and 'Fisheye'. An 'Add' button is present above a table of views.

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

A tooltip is shown over the 'Layout' icon in the 'View 1' row, displaying a grid layout icon. A blue arrow points from this tooltip to a text box.

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: ?

QNAP v

Camera

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



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.

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).

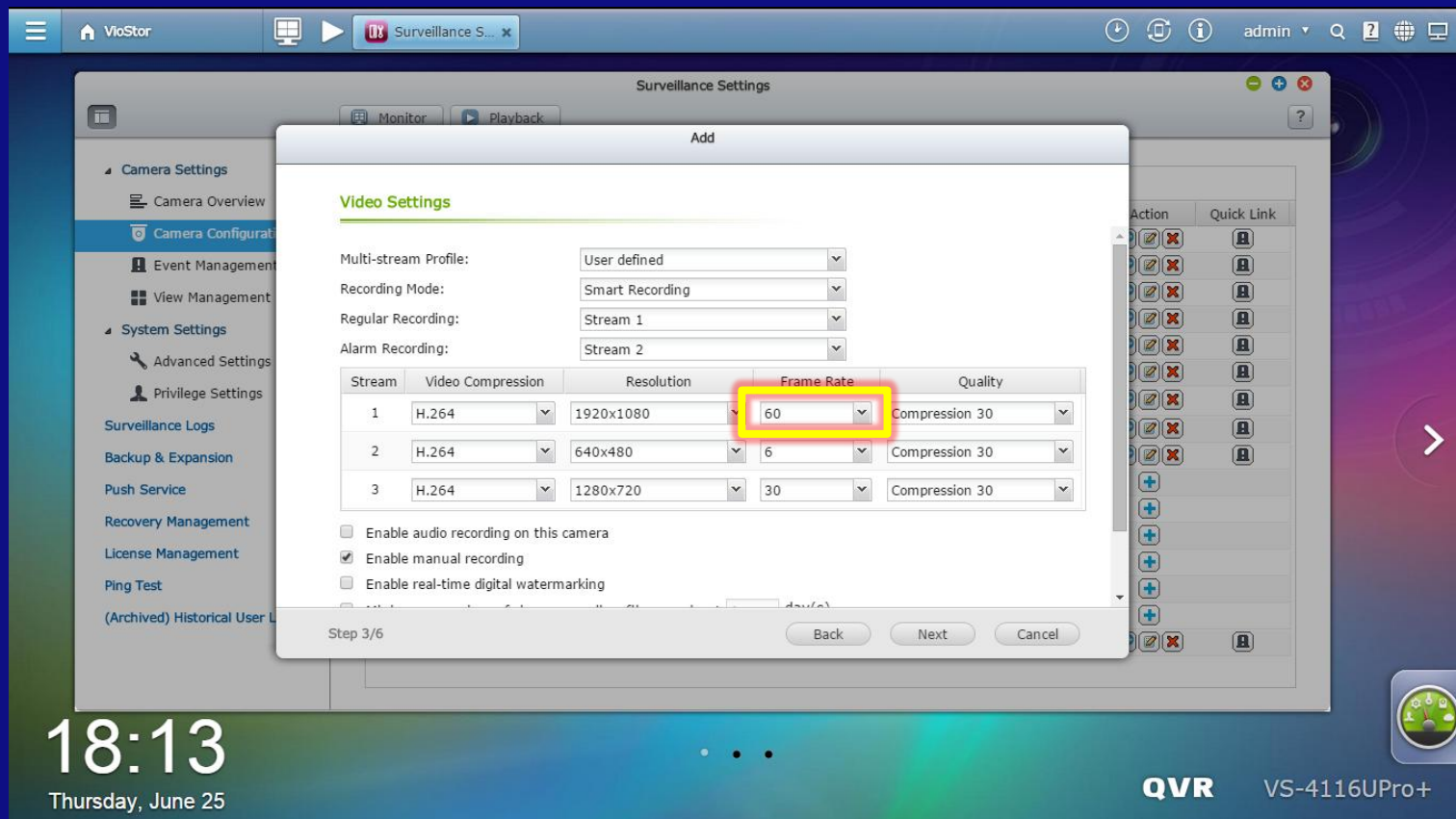
Recording

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 VioStor Surveillance Settings interface. A dialog box titled 'Add' is open, showing the 'Video Settings' configuration. The 'Frame Rate' dropdown menu is highlighted in yellow, indicating that 60 FPS is selected. The background shows the main settings page with a sidebar menu and a table of camera configurations.

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

Additional settings visible in the dialog box include:

- Multi-stream Profile: User defined
- Recording Mode: Smart Recording
- Regular Recording: Stream 1
- Alarm Recording: Stream 2
- 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 shows the VioStorNVR interface with the 'Surveillance Settings' window open. The 'Edit' dialog is active, 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 below shows 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

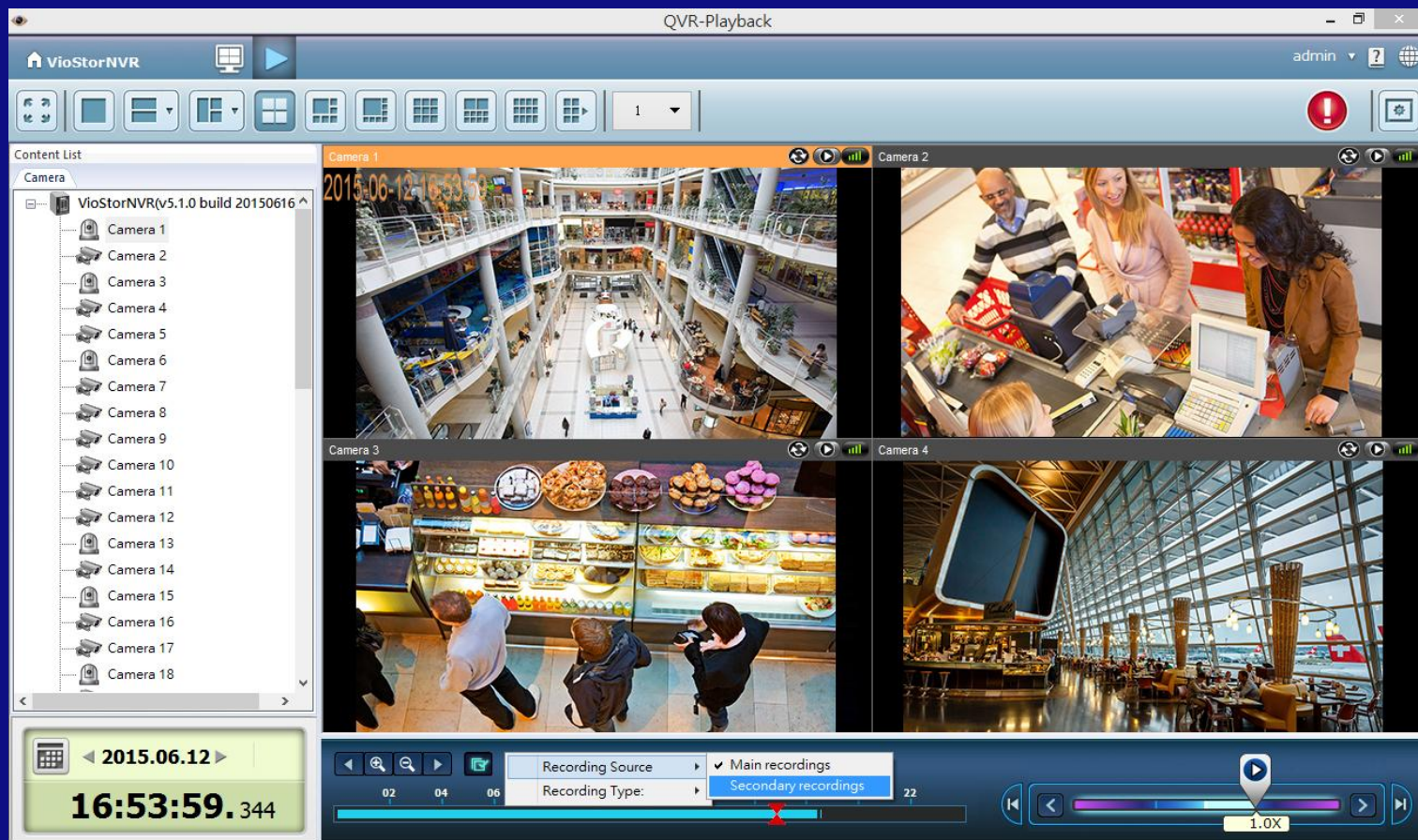
Additional settings in the dialog include:

- Multi-stream Profile: User defined
- Recording Mode: Dual-stream Recording
- Main Stream: Stream 1
- Sub Stream: Stream 2
- 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 interface also shows a sidebar with navigation options like 'Camera Settings', 'System Settings', and 'Surveillance Logs'. The bottom of the screen displays the time '15:16', the date 'Thursday, June 18', and the device model 'QVR VS-2212 Pro+'.

Dual Recording

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



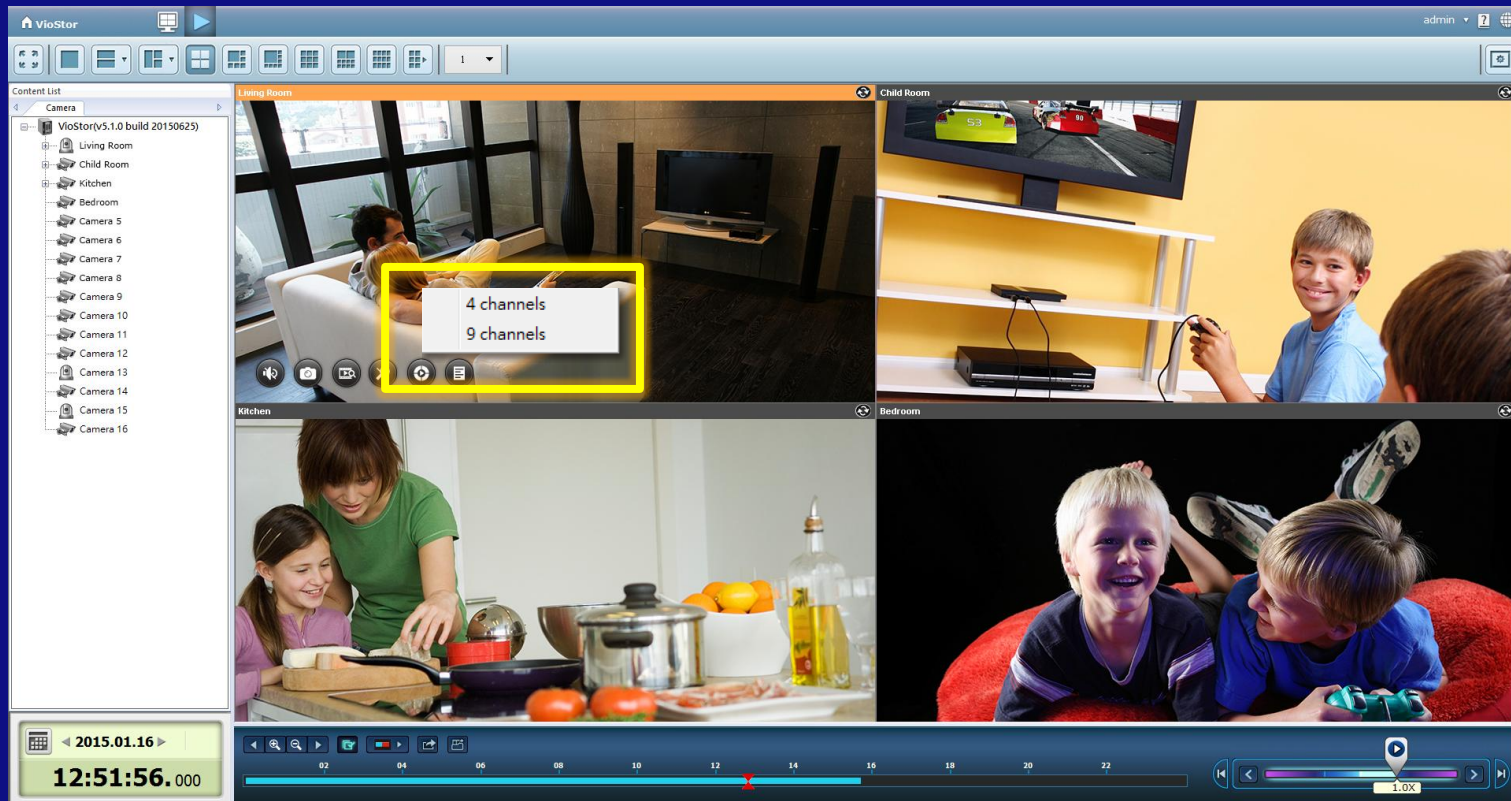
Playback

QVR Client for Windows

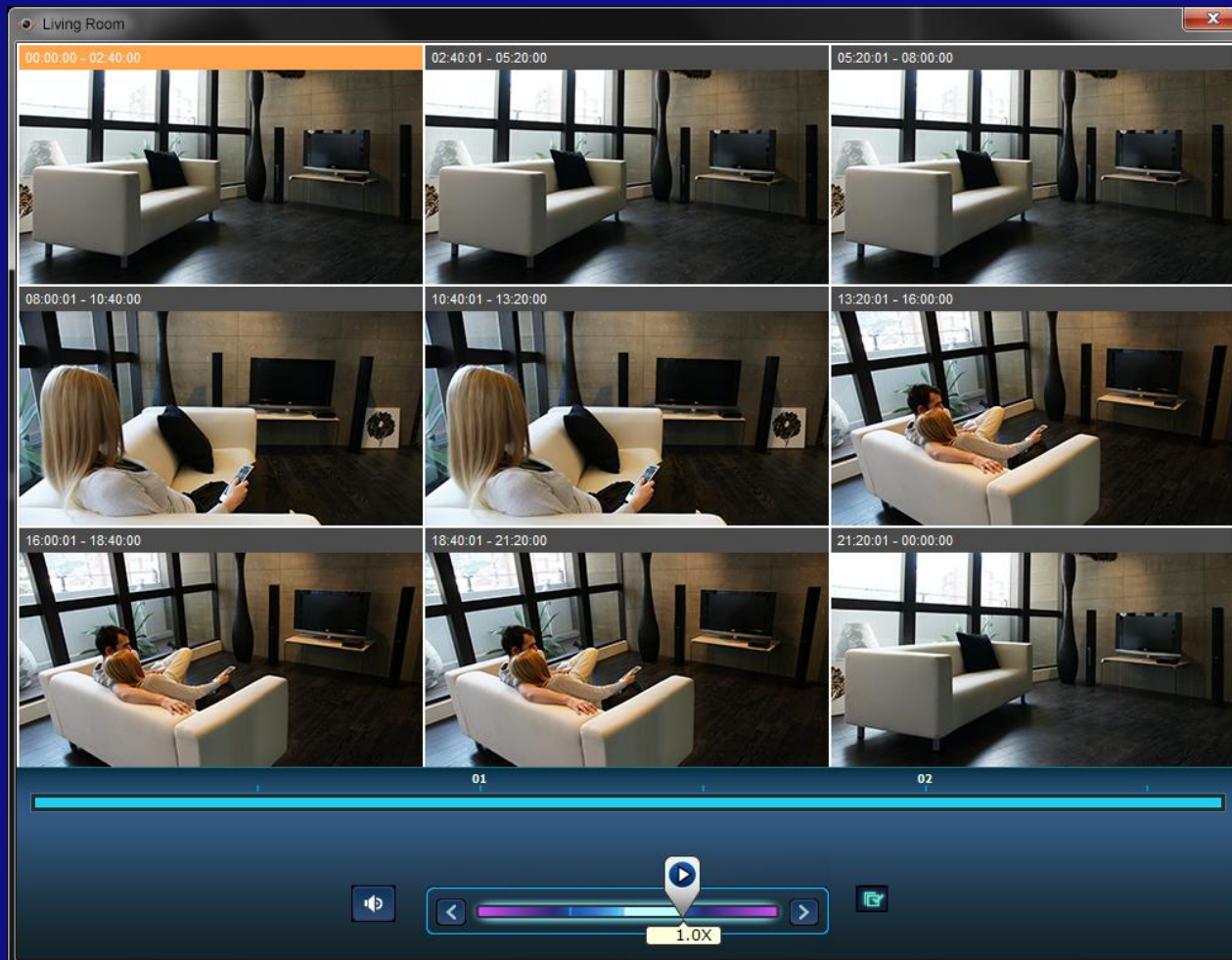


Time-divided Playback for One Day Recording

Select a 4 or 9 channel time-divided playback.

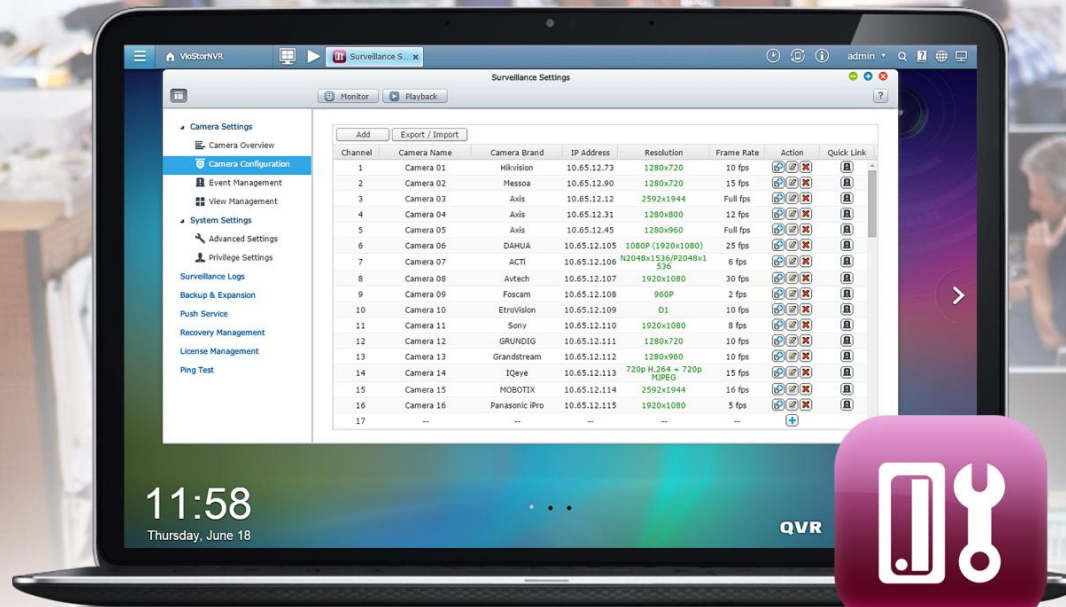


9 Channel Time Divided Playback for One Day Recording



Surveillance settings

Camera Configuration Enhancement



Export / Import Camera Settings

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

The screenshot displays the 'Surveillance Settings' window. On the left is a navigation menu with categories like 'Camera Settings', 'System Settings', and 'Surveillance Logs'. The 'Camera Configuration' option is selected. The main area shows a table of camera channels. A red box highlights the 'Export / Import' button in the table's header, with a red arrow pointing to the 'Export / Import Camera Settings' dialog box that is open in the foreground.

Export / Import Camera Settings

Export Camera Settings

This will export all of the camera settings (including camera, recording, schedule, and alarm settings) to a settings file.

Import Camera Settings

To import all camera settings, please click (Browse) to select a previously saved setting file and click (Import) to confirm.

Camera Preview

Preview different video settings before applying them to recording settings.

The screenshot displays the 'Edit' configuration window for a camera, with the 'Video Settings' tab selected. The settings are as follows:

- Multi-stream Profile: System configured
- Video Compression: H.264
- Resolution: 2592x1944
- Frame Rate: Full
- Quality: Compression 30

Below the settings, there is a section for recording options:

- Enable manual recording
- Enable real-time digital watermarking
- Minimum number of days recording files are kept: 1
- Enable auto snapshot

A red box highlights the 'Quality Preview' button, with a red arrow pointing to the 'Preview' window. The 'Preview' window shows three video preview thumbnails with their respective resolutions:

- Thumbnail 1: 2592x1944 resolution, with a 'Preview' button highlighted in a red box.
- Thumbnail 2: 1080x1080 resolution, with a 'Preview' button highlighted in a red box.
- Thumbnail 3: 1280x720 resolution, with a 'Preview' button highlighted in a red box.

At the bottom of the main window, there are 'Apply' and 'Cancel' buttons.

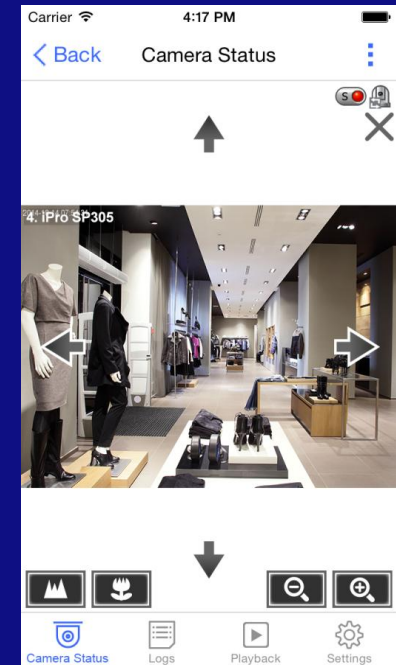
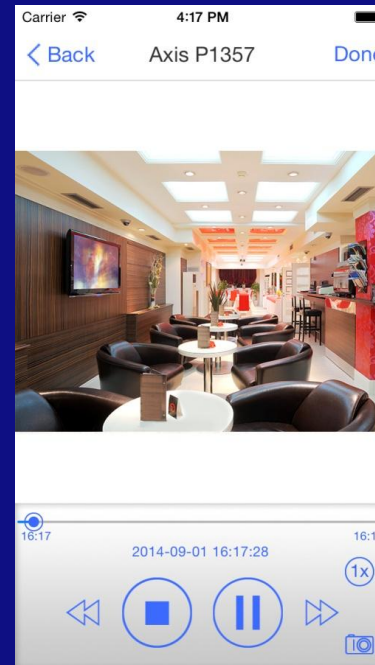
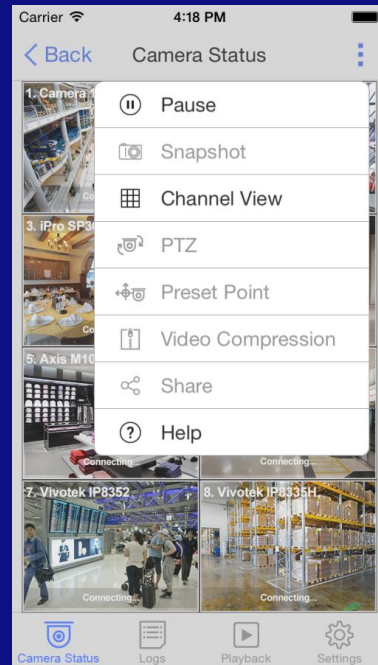
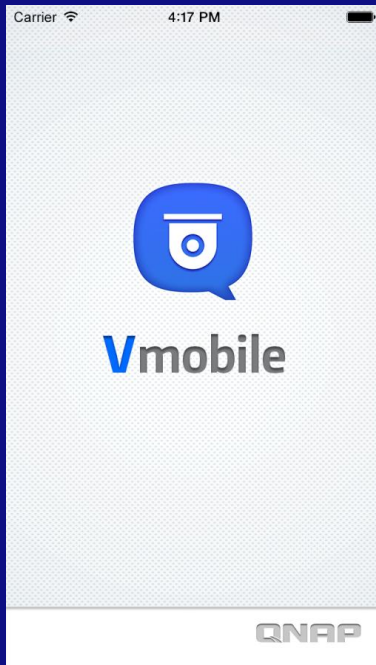
VMobile and Vcam App

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

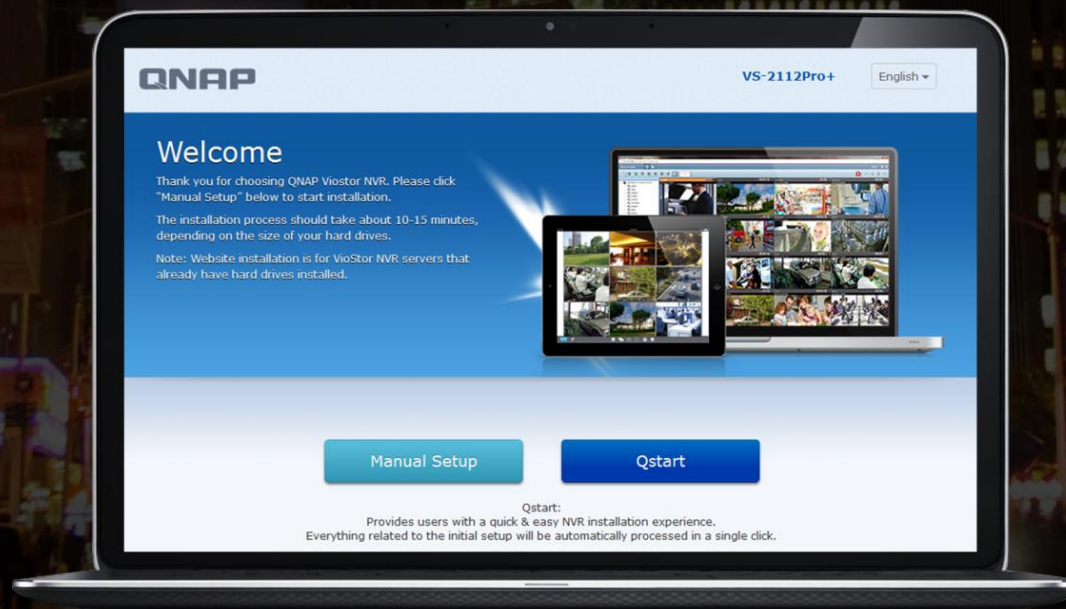
- Use your mobile device as an IP camera or mobile camera.
- Record to a VioStor NVR or upload live images anywhere, anytime.



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

Qstart

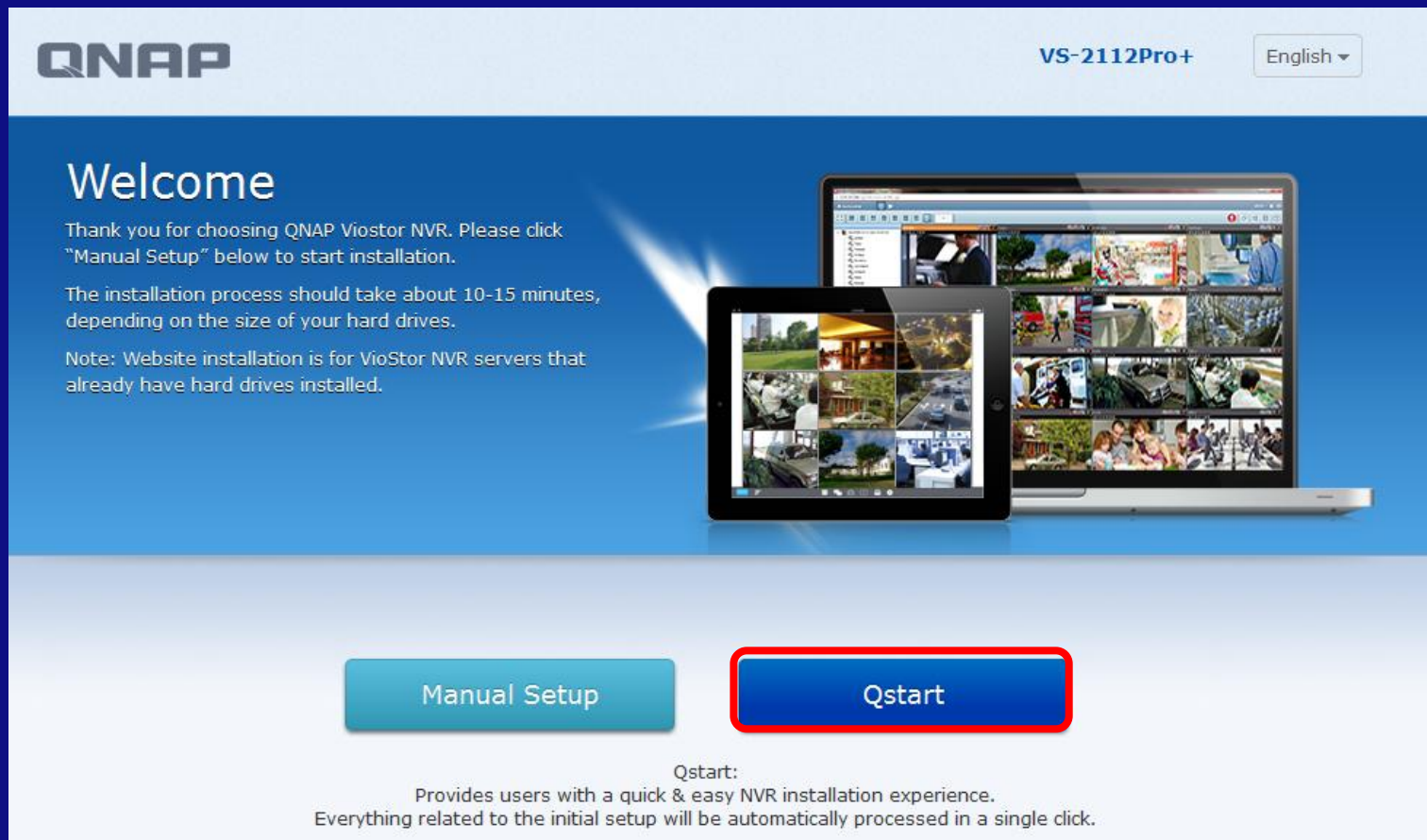
Auto configuration / Auto port detection / Switch management



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.



The screenshot shows the QNAP web interface for the VS-2112Pro+ model. The top navigation bar includes the QNAP logo, the model name 'VS-2112Pro+', and a language dropdown menu set to 'English'. The main content area has a blue background with the heading 'Welcome'. Below the heading, there are three paragraphs of text: a thank-you message, an installation time estimate, and a note about website installation. To the right of the text is a graphic of a laptop and a tablet, both displaying a multi-camera security feed. At the bottom of the interface, there are two buttons: 'Manual Setup' and 'Qstart'. The 'Qstart' button is highlighted with a red border. Below the buttons, there is a section titled 'Qstart:' followed by a description of the feature.

QNAP 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.

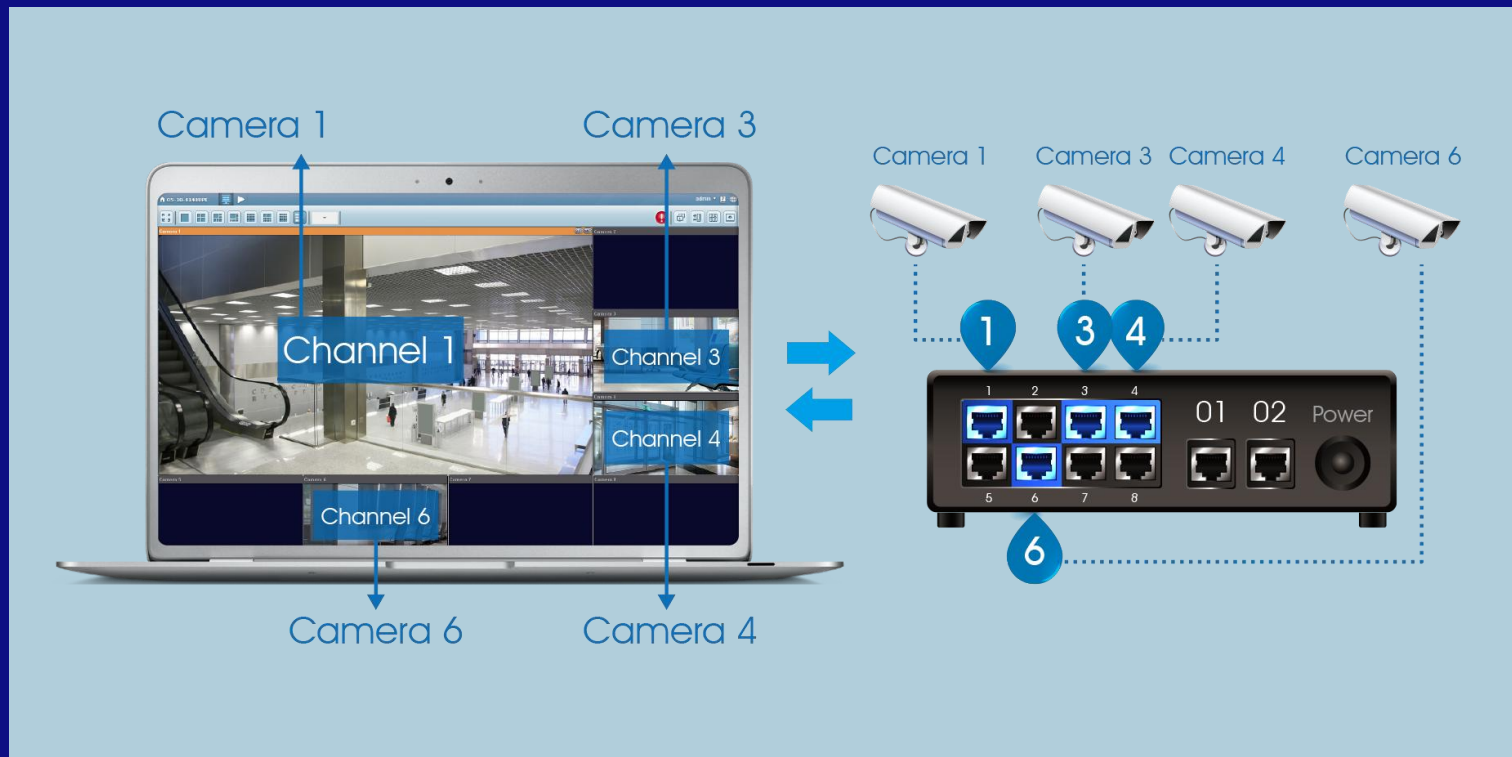
Note: Website installation is for VioStor NVR servers that already have hard drives installed.

[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 are window controls and buttons for 'Topology', 'Refresh', and 'Event Notifications'. The main area is titled 'Switch' and features a visual representation of a switch with 24 ports (1-24) and two FX ports (25, 26). A 'Console' port and a 'Power' button are also visible. A 'Switch Info' panel on the right provides details:

- Firmware Version: 101140429
- IP Address: 169.254.101.199
- Mac Address: 00:03:ce:13:e5:f5
- Total Power: 400.00
- Remaining Power: 375.00

Below the visual representation is a table with the following columns: Port, IP Address, MAC Address, Transferred, Received, Link Status, Consumed Power, Network Switch, POE Switch, and Reset Transfe... (truncated). The table lists data for ports 1 through 6.

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