



QVR Pro Open Surveillance Platform

A Professional NVR Solution on NAS

The QVR Pro Open Surveillance Platform contains 4 components: QVR Pro, QVR Pro Client, QVR Center and QVR Guard.

QVR Pro allows you to create an independent and expandable surveillance environment on your NAS.

With the QVR Pro Client, you can monitor from different platforms and flexibly switch from live view or playback mode to take full control over monitored areas. QVR Center greatly simplifies your surveillance tasks by allowing central management of multiple QVR Pro servers.

QVR Guard is a high-availability failover management app to protect QVR Pro from system failure and to ensure uninterrupted surveillance recordings.





Optimized User Experience

QVR Pro Client provides a unified monitoring view for cross-platform users (supported platforms include Windows®, macOS®, ubuntu®, and QNAP HD Station) to simplify surveillance workflows and enable user-defined rules to manage recordings.



Unified Monitoring Interface

QVR Pro has overhauled the traditional surveillance system design and offers an integrated monitoring mode that covers both live view and playback. QVR Pro Client supports multiple-channel monitoring in a single view, and you can quickly play back footage with minimal buffering time. With the unified monitoring user interface, QVR Pro saves a lot of time from switching between different monitoring modes, making video surveillance efficient and easy.

1 Instant Playback

Monitor the live view of multiple channels and play recordings on a single interface. With just one click you can switch between live, individual playback and sync playback modes. You can also view recordings at a specific time by clicking the time line or by selecting a time range.



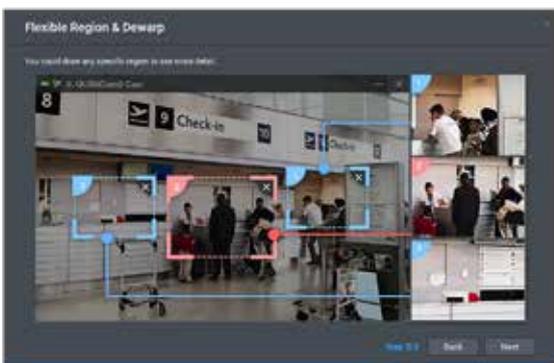
2 Dynamic Layout

QVR Pro supports customized layouts, so you can change the channel display aspect ratio and arrange the display layout freely. With default display modes and user-defined layouts, QVR Pro fulfills different surveillance purposes and is not limited to fixed-grid modes.



3 Region of Interest

The updated Region of Interest (ROI) feature supports multiple regional images from the same camera in live view and playback mode. You can define and enlarge multiple focused areas on the overview image with no selection limitation or additional licenses required.



4 Qdewarp Technology

The innovative Qdewarp enables users to view standard fisheye camera recordings in proportional ratios and sizes without affecting original recordings. The distorted parts on the edge can be returned to a clear panorama view.

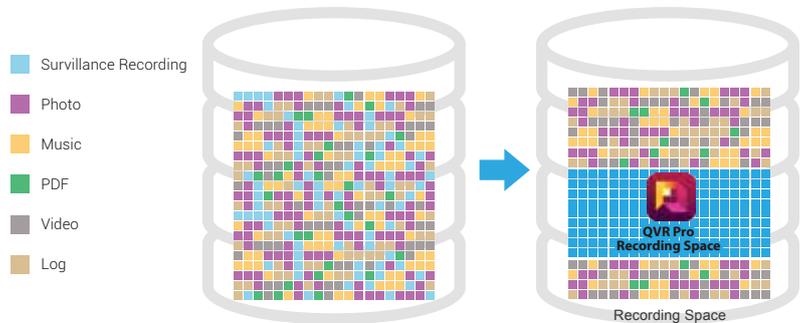


Quality Surveillance Recording

QVR Pro ensures an independent operating environment for surveillance recording, separated storage space, and versatile storage management functions from QTS. QVR Pro supports customized storage expansion deployment and volume management, enhancing surveillance data safety and NAS data storage efficiency.

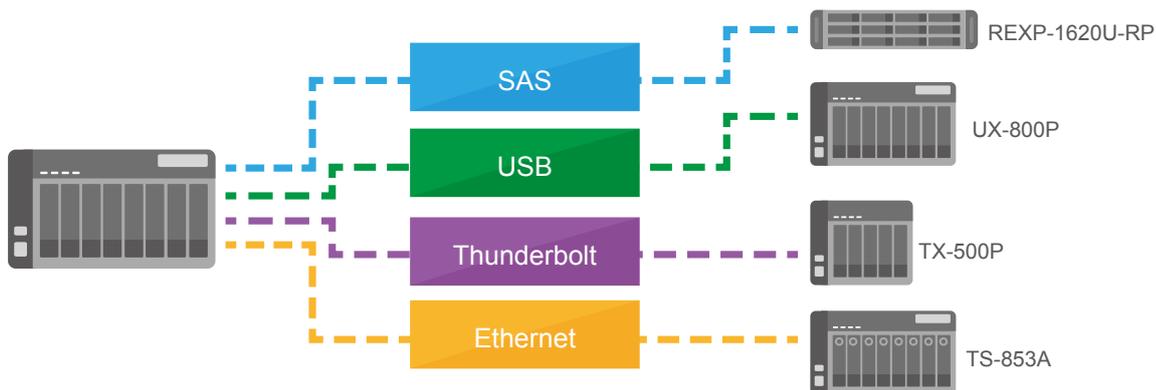
Independent Environment

QVR Pro runs all surveillance functions separate from QTS. You can save recordings from specific cameras or ROI areas to designated storage spaces based on hard drive types or other backup requirements. Even when running QTS and QVR Pro simultaneously, QNAP NAS can still ensure the data safety with no performance interference.



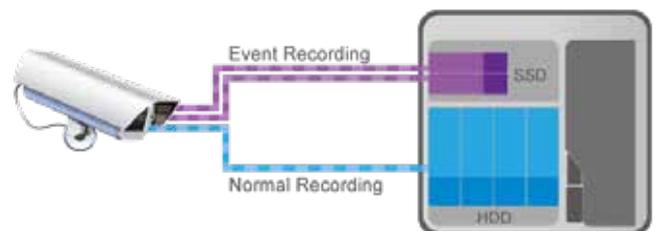
Flexible Storage Expansion

QVR Pro allows multiple volumes and backup deployment, so recording data will be saved completely even if part of the volume malfunctions. You can also assign storage locations to each camera or allocate event recordings to SSD/SAS drives for better storage efficiency. When NAS storage capacity is full, you can extend the storage capacity using several expansion solutions.



Superior Efficiency

QVR Pro supports tiered storage that fulfills various surveillance needs. You can assign 4K ultra-high resolution cameras to event recording tasks and save the footage to SSDs for optimal video quality regardless of writing speed concerns. Moreover, the network traffic distribution feature of QNAP NAS routes network bandwidth for QVR Pro and QTS data flows properly to optimize hardware efficiency.



Self-defined Rules

QVR Pro upgrades event management functions and provides image snapshot notifications in addition to SMS/email alerts. With the new snapshot feature, you can make prompt decisions in time. You can also set up event notification rules with self-defined events and actions. The innovative "If Event then Action" rule mechanisms allow multiple events to trigger multiple actions simultaneously, and it is much easier to define rules compared to other network automation services. You can customize monitoring rules, events and actions, making QVR Pro your own automated video surveillance service.



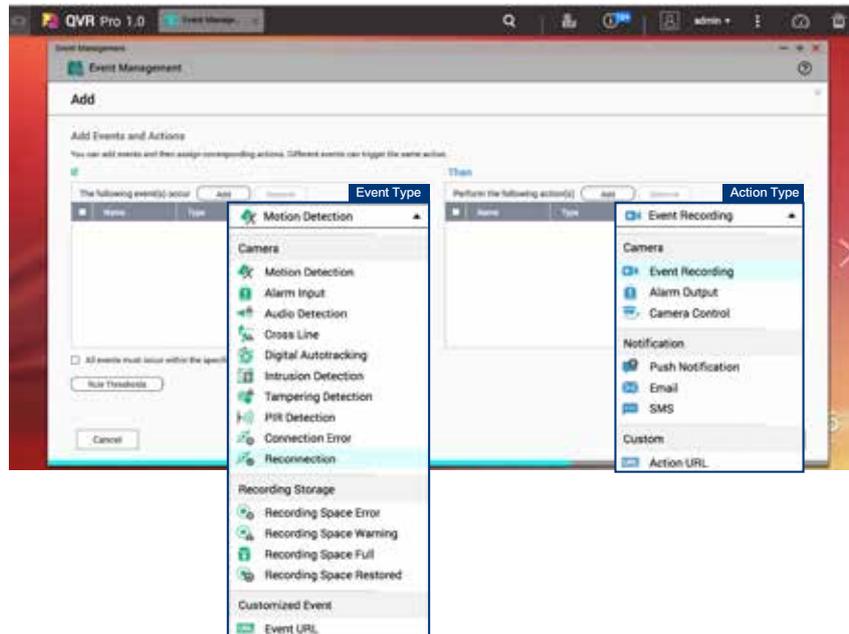
Event

QVR Pro categorizes events to camera related, recording space, and customized events. You can add a new event with built-in lists, or define a surveillance event with a specific title and actions. One rule can include multiple events and multiple actions at the same time.



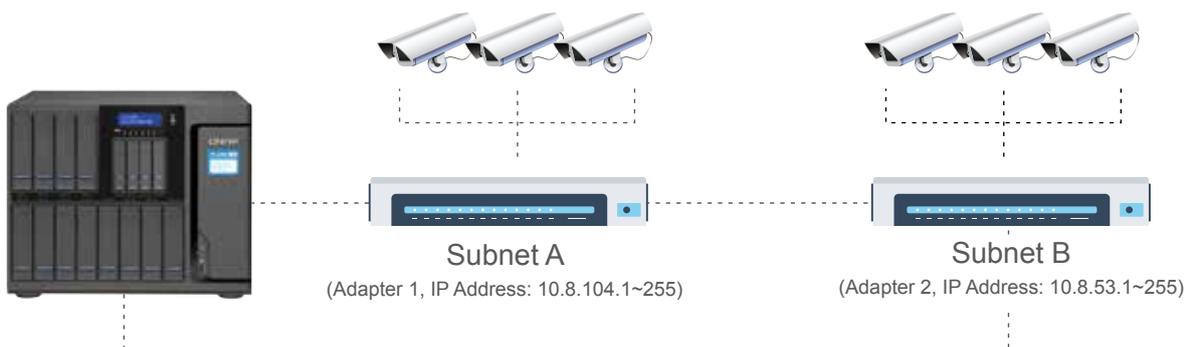
Action

QVR Pro actions include camera actions and notifications. When one event is detected, QVR Pro rules will trigger specific cameras to start event recording, activate alarm devices, and/or send out notifications to users. One event can trigger several actions for timely reactions.



Flexible Camera Controls

QVR Pro offers cross-segment automatic camera search under Local Area Networks (LAN). Simply enter network segments and QVR Pro will find and display all the IP cameras along with precise information within the same LAN. If you need to deploy multiple similar camera settings for one project, QVR Pro allows batch installing and configuring cameras for better efficiency. QVR Pro also supports multi-streaming recordings that offer various resolution video feeds and lower overall network bandwidth usage.



QVR Center - Distributed deployment, centralized management



Distributed deployment, centralized management

Whether your organization is based in one building or sprawled across a large campus, QVR Center greatly simplifies your surveillance tasks by allowing central management of multiple QVR Pros installed in your offices, classrooms, public spaces, and other areas. You can also centrally monitor live feeds, play back surveillance footage and receive event notifications from multiple QVR Pros to reduce response times to events.

Customizable events dashboard

You can customize the events dashboard based on your needs and view the analytics of event frequencies or business peak hours from visualized graphics to easily address potential issues. In addition, you can put related "Widgets" into a "Group" to monitor them centrally.



Cross-server central management with QVR Pro Client

QVR Center and QVR Pro use the same QVR Pro Client. You can start managing and monitoring all the QVR Pro servers right away.

Centralized monitoring feeds from multiple QVR Pro servers dashboard

Create a view and e-map from the feeds from multiple QVR Pro servers in QVR Center.



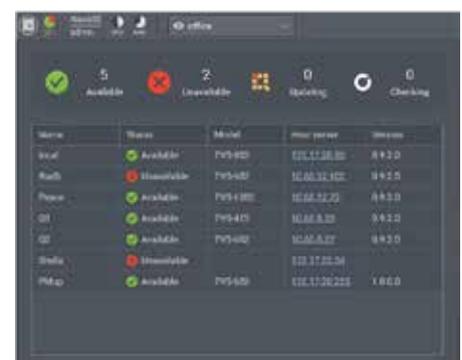
Event notifications from multiple QVR Pro servers

If an event occurs, an image of the event will be shown in the event notification column, including the images from the un-displayed cameras.



Monitor multiple QVR Pro server statuses

View the connection status between QVR Center and each QVR Pro server. If a camera feed isn't displayed normally, you can easily troubleshoot the problem.





QVR Guard - Uninterruptible Recording Tasks

QVR Guard is a high-availability failover management app to protect QVR Pro from system failure and to ensure uninterrupted surveillance recordings. QVR Guard features failover functionality that automatically takes over recording tasks from the QVR Pro server if an unexpected system fault or hardware failure occurs. Recording files are saved on the QVR Guard NAS until the QVR Pro system reboots and functions normally.



QVR Guard stands by while QVR Pro runs normally. The toolbar shows the current QVR Guard status - "Standby" or "Takeover"



QVR Guard will take over the surveillance recording tasks if QVR Pro is interrupted.

Monitor at anytime, from anywhere, with the QVR Pro Client mobile app



The QVR Pro Client mobile app provides multiple display layouts and allows you to monitor multiple channels simultaneously. Under the single channel view, you can quickly switch between live and playback modes. If your network connection is slow or metered/capped, you can choose the low-bandwidth mode to view a bandwidth-optimized stream without affecting the quality of recordings. In addition, you can remotely control PTZ cameras and the camera's preset point from the app. Other features include camera view from the e-map and mobile notifications.



QVR Pro API

QVR Pro offers a complete API to allow flexible integration with other systems. Accessible information includes device authentication, camera control, logs, instant video streaming, and video playback. From video to motion, QVR Pro offers plenty of resources to make your system even more powerful.

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