

QNAP

QVR Pro

surveillance solution

Business security application



Agenda

1. Business security requirement
2. Business security Demo Video
3. Business security solution
4. Business security Live Demo



**QVR
Pro**



Business security requirement



Business security major requirements



Is the function complete enough to meet the needs of different scenarios?



Is system and data protections solid enough?



Can events be elevated in time when they occur for immediate responses?



Four major concerns for business users



How does QVR Pro make it better?

System deployment

Instant recording and recording playback need to be configurable. Also, support specific camera models, cross-platform devices and flexible settings.

Convenient and practical functions

Can QVR Pro make it ?

Is the function of the surveillance system complete and meet the needs of the users? It has to be able to view surveillance images easily and clearly.



How does QVR Pro make it better?

System stability

Data is extremely important for enterprises. The system needs to be operational without interruption. The failover system is a required too.

How does QVR Pro make an awesome job ?

Event management

When emergency happens, the security staff must be informed immediately to prevent the significant losses due to handling were delayed.



Why QNAP QVR Pro ?



Complete surveillance features

**Powerful data protection/
failover system**

**NAS + Surveillance system
two in one**

QNAP

DEMO

Business security





Business security solution



Business security solution – Case study

Pet supplies stores need to install 32 cameras, which require playback of video recordings within 30 days, and a failover solution to avoid recording interruptions.



Description

In the store

There are lots of pet product orders in the office, which need to be kept properly. In addition, 24/7 recording is required to ensure uninterrupted monitoring and protection.
12 fisheye cameras: installed at the counter and store area.
12 regular cameras: installed in the entrance and exit, pet grooming area.

Outside of the store

8 regular cameras: only need to do the recording task when someone pass by at 20:00 ~ 10:00.

Privilege

Managers who often go abroad: can watch the video of all areas. Including the inside and outside of the store, warehouses, etc.
Clerk: can only watch the video inside the store.



Business security solution



QVR Pro



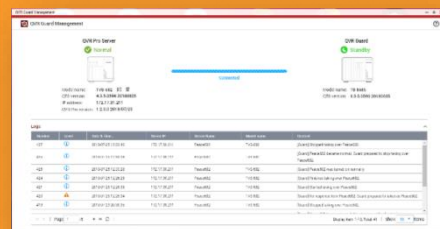
QVR Pro Client



QVR Pro Client



QVR Guard

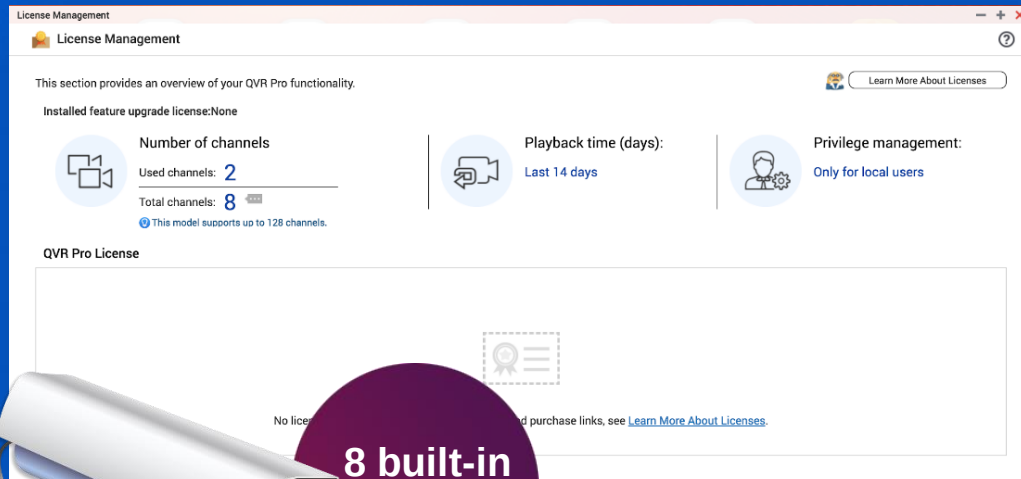


Business security solution

“System deployment”, How does QVR Pro make it better?



1. Eight default channels for free



**8 built-in
channels**

Built-in 8-channel license for playback of video recording within 14 days with QVR Pro Client. If business users have a larger number of cameras or playback days requirement, QVR Pro Gold (the maximum number of channels is 16 channels, and the number of recording playback days is unlimited) can be purchased. And additional camera channel extension license (up to 128 channels).

Business security solution

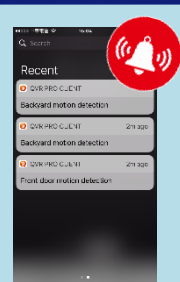
“System deployment”, How does QVR Pro make it better?



2. Record and surveillance



QVR Pro records the video and sound. Support more than 5,000 different IP camera models. QVR Pro Client supports 6 platforms (Windows, Mac, Ubuntu, HDMI Local Display, iOS, Android) you can switch between live and playback with just one click.

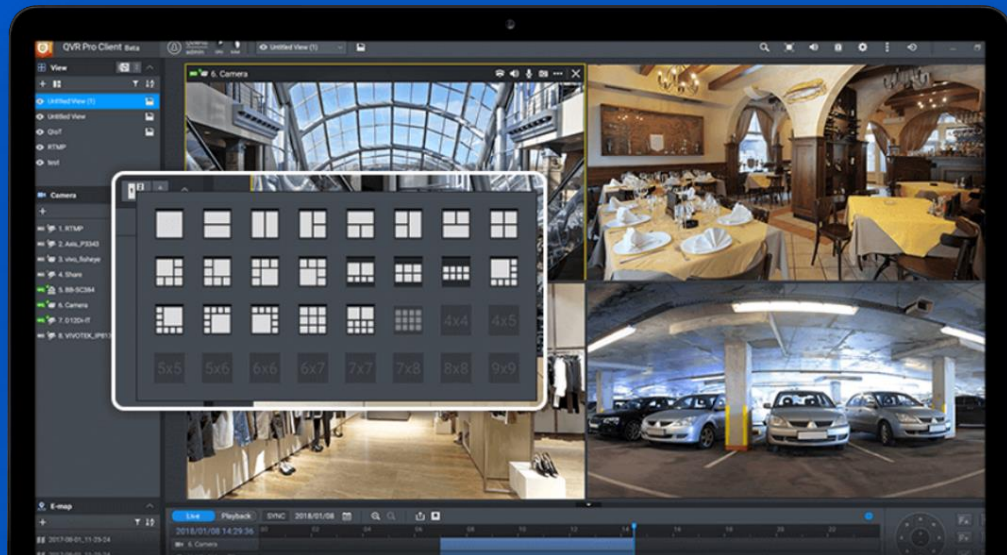


Business security solution

“System deployment”, How does QVR Pro make it better?



3. Flexible view layout and sequential



If you want to enlarge the camera screen of important locations (such as counters and gates), you can adjust the display camera channel scale and position. You can also use sequential mode to rotate different views, so that you can monitor a large number of camera screens in turn.

Business security solution

“System deployment”, How does QVR Pro make it better?



4. Flexible storage settings

Edit Recording Space Settings

Allocated Volume(s) Spare Volume(s)

You can specify the recording space name and select the retention ratio. Each volume functions as a single recording space.

Name: Overwrite Trigger Threshold:

Number of allocated volume(s): 1

	Volume Name	RAID Type/Disk
☒	DataVol1	RAID 1 (Disk1, 2)
☐	DataVol2	JBOD (Disk5, 6)
☐	DataVol3	JBOD (Disk5, 6)

To manage a volume, go to [Storage Manager](#).

Expand Recording Space

Expanded size: GB

Current size: 53.00 GB

Note: The expanded size must be larger than the current size.

OK Cancel

Apply Cancel

The user can configure the volume to create a recording space. And specify the cameras to record at different space.

As long as the volume has not been fully configured, the recording space can always be expanded afterwards.



Business security solution

“System deployment”, How does QVR Pro make it better?



5. Normal/Event recording

Recording Storage

Recording Storage

Overview

Recording Space

Recording Location and Days

Recording Management

Recording Import

Rebuild Recording Index

Advanced Settings

Recording File Explorer

Recording Space

You can add or modify recording spaces, review the status of recording spaces, and get an overview of your cameras

Storage Overview

Space1 (100.0 GB)

Camera Overview

Good

Total: 7
No Recording Space: 0
Overwrite disabled: 0

Recording Space(s)

Name	Status	Recording Space Capacity	Recording Status	Action
Space1	Normal	Used: 34% (34.19 GB) Total: 100.00 GB	Normal Recording 7 Channel Event Recording 7 Channel	  

Add

If the capacity of the hard disk allows, select "normal recording" in case you don't want to miss any second.

If the hard disk capacity is not large but you still want to record when things happened, select "Event Recording".



Business security solution

“System deployment”, How does QVR Pro make it better?



6. Schedule recording

Edit

Connection Stream **Recording**

Application

Enabling video recording allows you to perform normal recording and event recording. You can also enable edge recording and Autosnap.

work + [edit] [delete]

☒ Active ☐ Inactive

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tues																								
Wed																								
Thurs																								
Fri																								
Sat																								

Apply Cancel

Whether normal recording or event recording, you can all specify the recording time (detailed to hours), especially record the time that store is close.



Business security solution

“System deployment”, How does QVR Pro make it better?



7. Privilege setting

	CH 1	CH 2	CH 3	E-MAP

The company can specify different privilege settings base on positions and department (for example, the IT staff has the right to change the settings, and the senior supervisor has the right to view all the camera recordings).



Business security solution

“System deployment”, How does QVR Pro make it better?



8. Live feed routing distribution



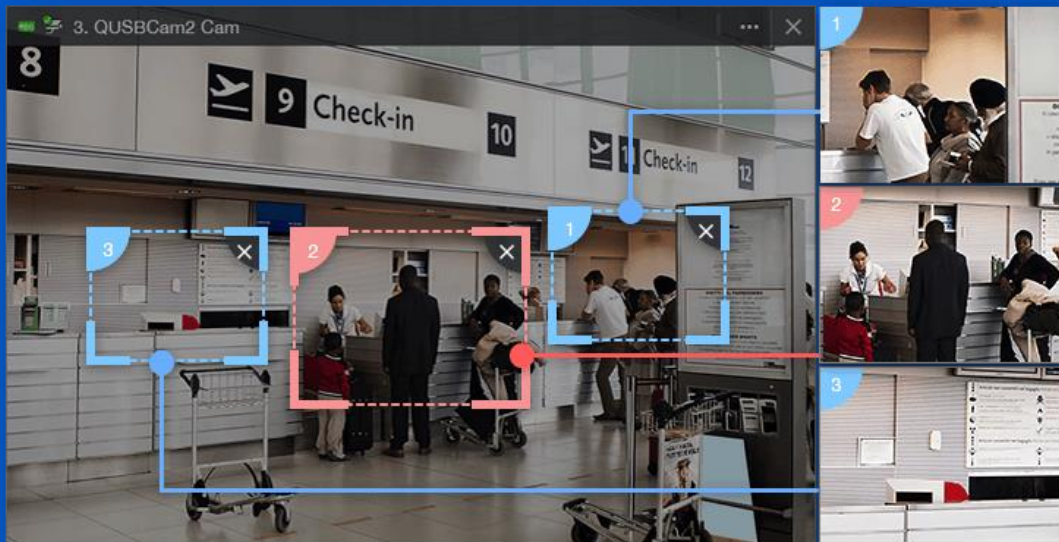
Use network interface assignment to avoid video recording stop due to the camera live feeds need large bandwidth.

Business security solution

“Convenient and practical functions”, Can QVR Pro make it?



1. Region of Interest



In the convenience store, when a dispute occurs, use region of interest to focus on the video area to clarify the situation.

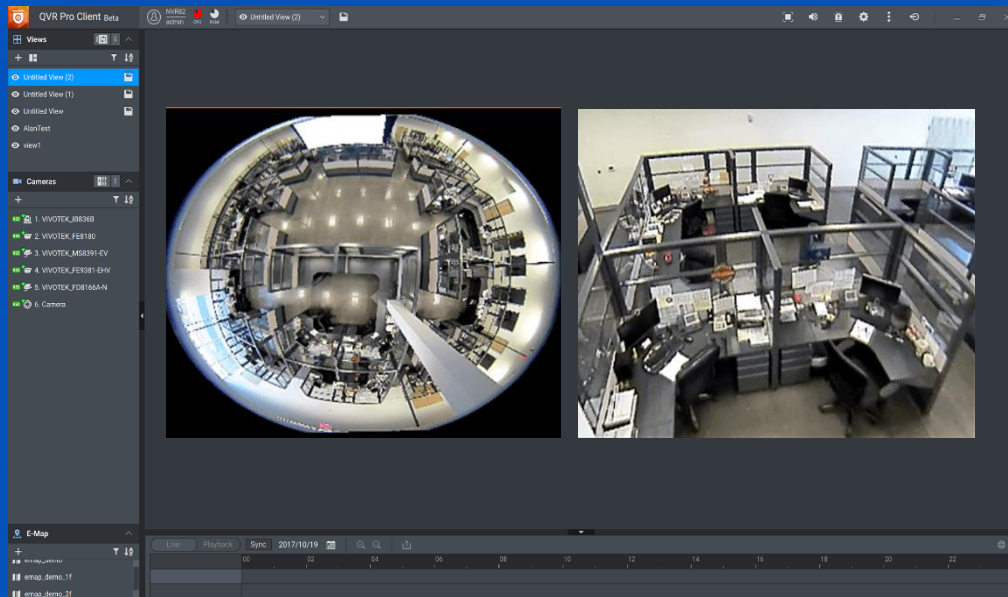


Business security solution

“Convenient and practical functions “, Can QVR Pro make it?



2. Fisheye dewarp technology



Fisheye camera is suitable for large-scale monitoring, QVR Pro is not limited to camera models and enables users to view standard fisheye camera recordings in proportional ratios and sizes without affecting original recordings.

Business security solution

“Convenient and practical functions “, Can QVR Pro make it?



3. Monitoring video wall



When you need to focus on the specific camera screen, you can directly use a single computer to operate, and with the monitoring video wall function, up to 8 screens can be supported at the same time.

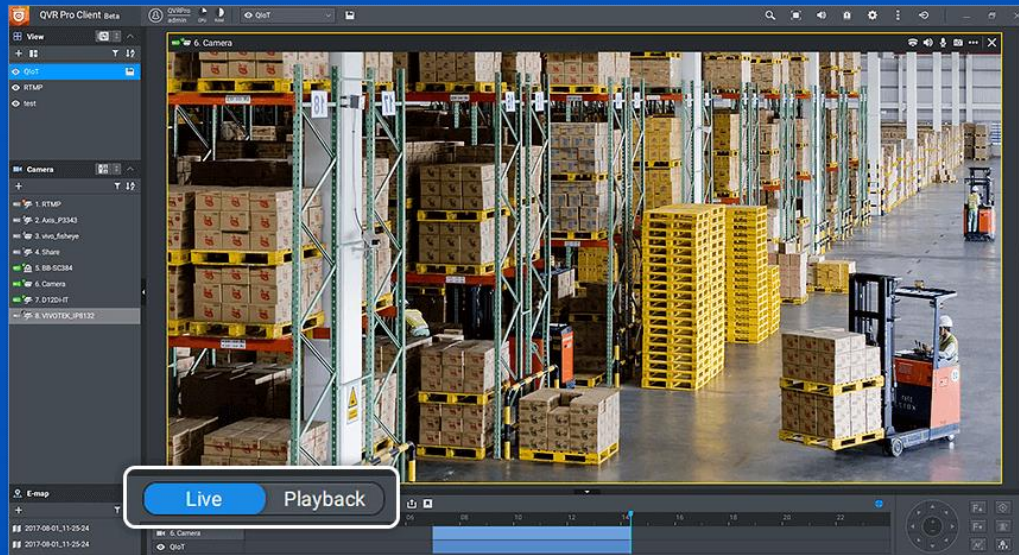


Business security solution

“Convenient and practical functions “, Can QVR Pro make it?



4. Flexible monitor mode



Monitor the live view or check the recordings playback ? You do not need to choose one.

QVR Pro Client can monitor them at the same time in a single view. Also, QVR Pro Client can one click switch between live and playback.

Business security solution

“Convenient and practical functions “, Can QVR Pro make it?



5. Monitor with mobile device



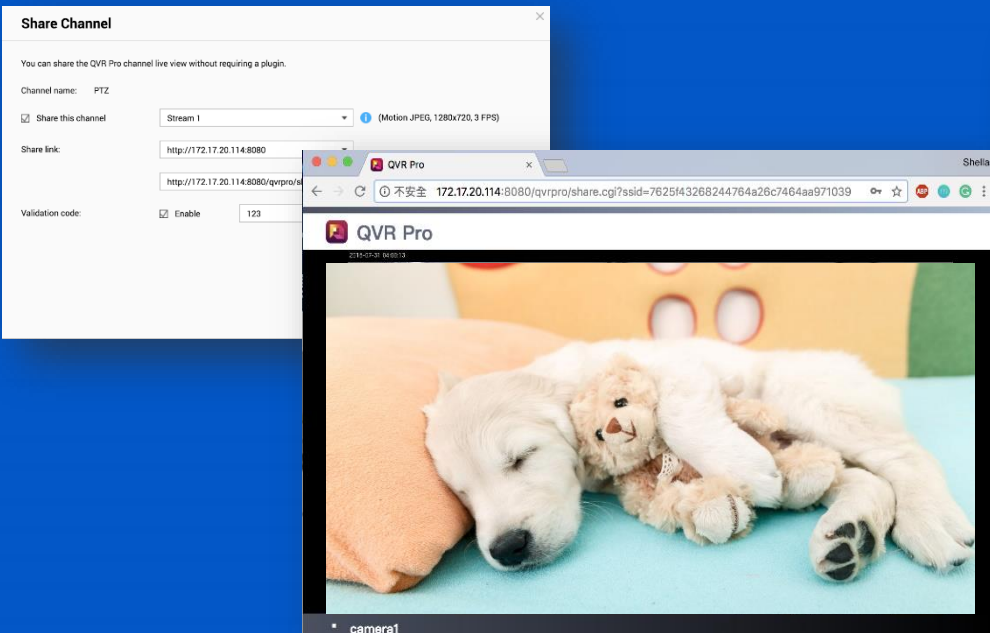
Just use QVR Pro Client for iOS and Android on your mobile device, and you can watch the live video or playback anytime, anywhere.

Business security solution

“Convenient and practical functions”, Can QVR Pro make it?



6. Easy to share



Just provide a short URL.
one can immediately enjoy
the live video with web
browsers. For example, pet in
the hotel, the pet owner can
see them anytime, anywhere.



Business security solution

“Convenient and practical functions”, Can QVR Pro make it?



7. Motion detection with webcam

Motion Detection Settings

Specify the following motion detection settings.

Camera name: ONVIF_QNAP QUSBCam2 (ch1)

Detector: QVR Pro

Sensitivity: 4

Minimum detectable movement: 1/625

☒ Display the value on the screen

Detection zone: Full

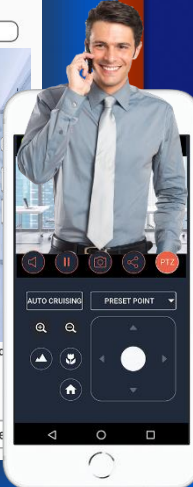
Apply Cancel

Preview:

Motion Detection **Event Management**

You can preview how the camera view is displayed in QVR Pro Client when motion detection is triggered.



The webcam, which is easy-to-buy and affordable, does not support motion detection by itself. But with QVR Pro video analysis you can still set up motion detection rules.

Business security solution

"System stability", How does QVR Pro make it better?



1. Support data protected methods



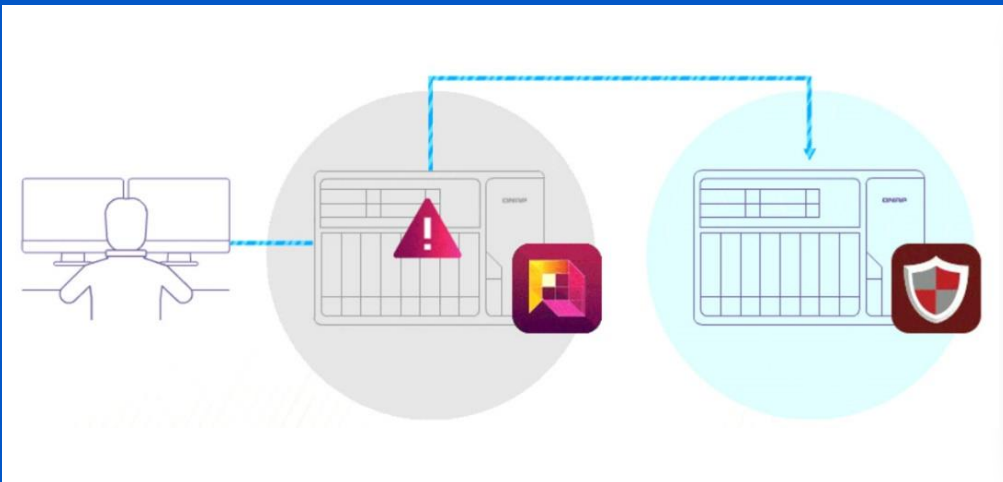
In addition to RAID support & snapshot function, you can also back up data to a remote NAS. When the main volume of QVR Pro is abnormal, you can also enable the spare volume to record, ensure video recording are saved.

Business security solution

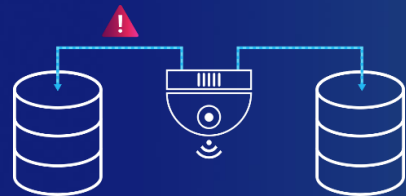
"System stability", How does QVR Pro make it better?



2. QVR Guard failover management



When the NAS was damaged, you don't need to worry about the recording stopped. QVR Guard will take over and ensure that important recording are not missed.

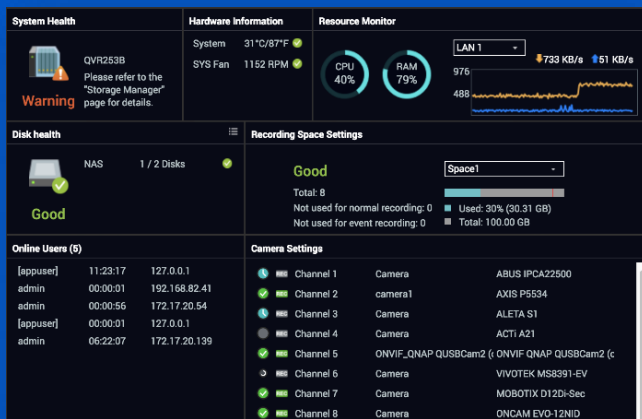


Business security solution

"Maintain operating system", How does QVR Pro make it better?



3. Clear dashboard interface



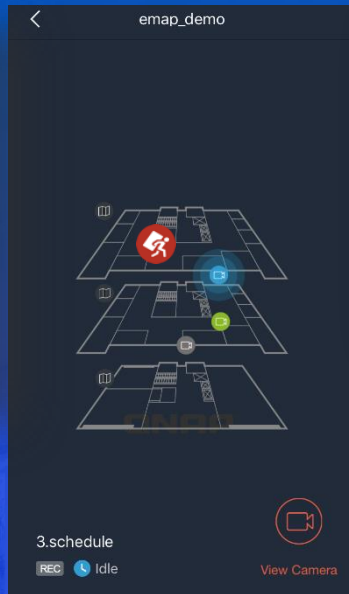
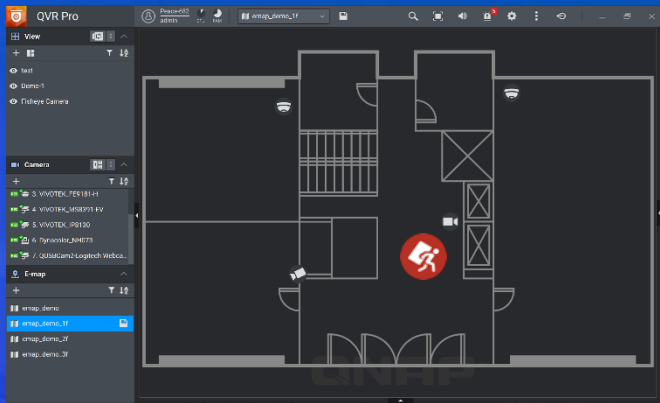
Through the dashboard, you can clearly control the current system/hard disk health, hardware usage, camera status.

Business security solution

“Event management” , How does QVR Pro make a awesome job ?



1. E-map



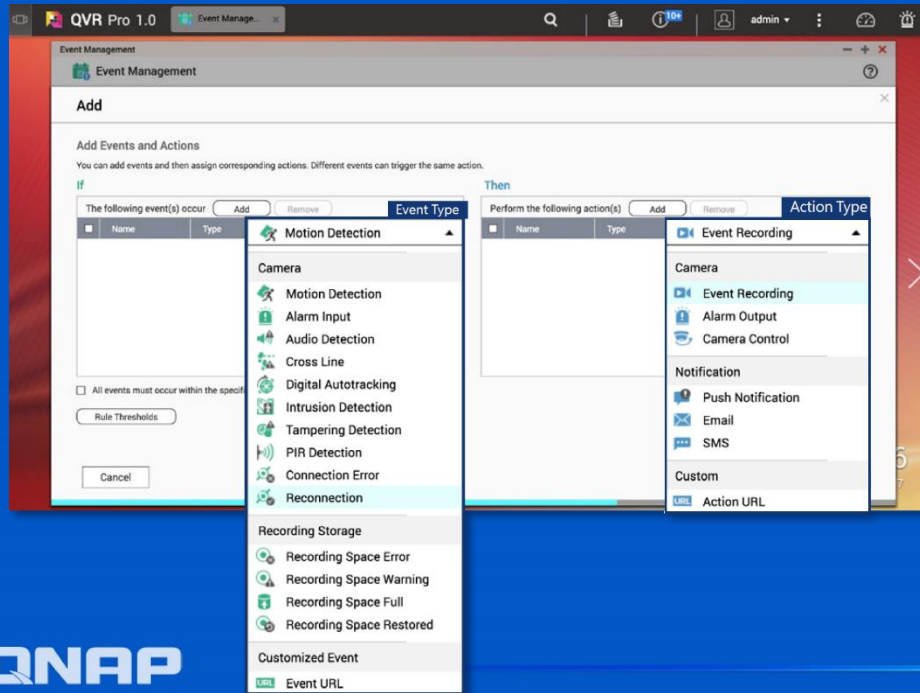
If an event occurs, you can quickly know the camera's location on the visualized e-map to ensure a timely response.

Business security solution

“Event management” , How does QVR Pro make a awesome job ?



2. Smart event engine



Face the camera to the exit and set up motion detection, alarm input.. etc. When the alarm is triggered, security guard can check the video see if someone breaks in.



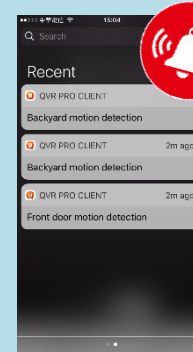
Business security solution

“Event management” , How does QVR Pro make a awesome job ?



3. Various notification methods

With the QVR Pro event engine, you can set up various notifications methods such as mobile push notification, Email & SMS. If necessary, set up the rule “IF motion detection THEN alarm output” to deter the intruder.



Business security solution

“Event management” , How does QVR Pro make a awesome job ?



4. Event logs

Logs

All Export Content Search

Number	Type	Level	Date & Time	Users	Content
2176971	Surveillance Events	✖	2018-08-05 17:36:26	System	Event recording (Stream 1) of camera 1 stopped recording due to recording space [Space1] has no free space.
2176970	Surveillance Events	ⓘ	2018-08-05 17:36:25	System	Some space in recording space [Space1] was available, Event recording (Stream 1) of camera 1 resumed recording.
2176969	Surveillance Events	✖	2018-08-05 17:36:25	System	Event recording (Stream 1) of camera 1 stopped recording due to recording space [Space1] has no free space.
2176968	Surveillance Events	ⓘ	2018-08-05 17:36:24	System	Some space in recording space [Space1] was available, Event recording (Stream 1) of camera 1 resumed recording.

Page 100 / 30000 Display item: 991-1000, Total: 300000 Show 10 Items

If IT staff want to check whether cameras are disconnected or other type of events in this month, they can search quickly via event logs interface.

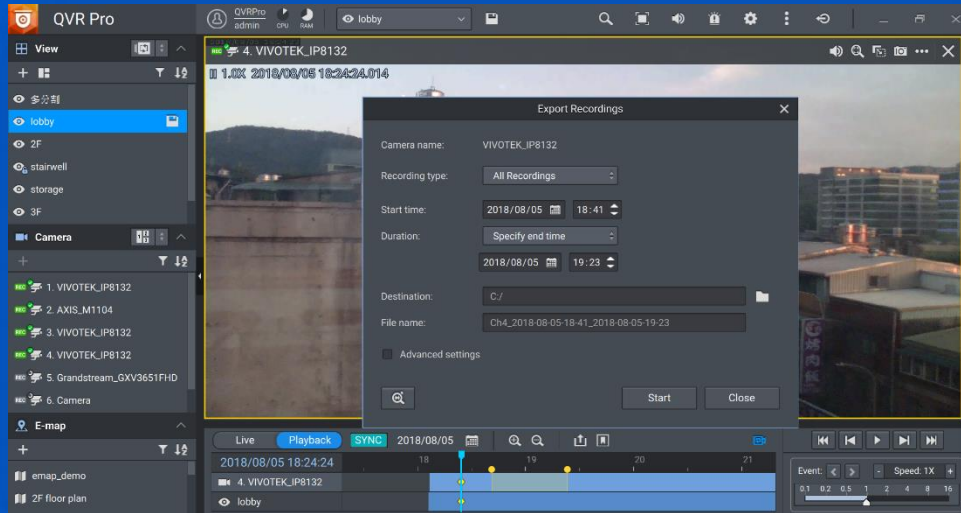


Business security solution

“Event management” , How does QVR Pro make a awesome job ?



5. Bookmark & Export recordings



When a store is broken into, you can add a bookmark on the timeline time period. Easy to search for the specific robbery video when needed. You can also export the video files for the police.



Business security solution – architecture



Business (With QNAP NAS)



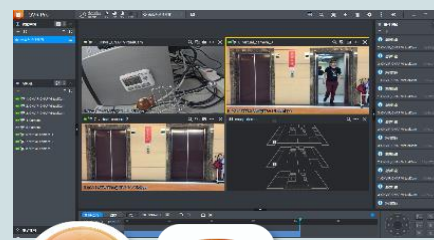
QUSBCam2



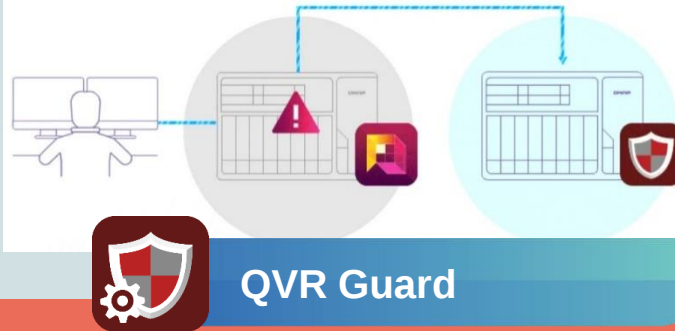
IP camera



**QVR Pro
(Max. 128
channels)**



QVR Pro Client



QVR Guard

QNAP

DEMO

Business security

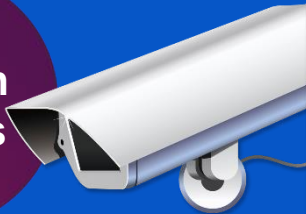


QNAP surveillance solution vs conventional surveillance solution



	Features	Data security	Maintain
Conventional IP cam+ Surveillance system	less (only for surveillance)	low (If hard disk broke, data is damaged and cannot be recovered)	hard (hard to maintain and control system status)
QNAP NAS (With QVR Pro App)	versatile (NAS features+ surveillance)	high (Support many backup functions, you do not need to worry even the hardware are damaged)	easy (QNAP NAS has it 's own dashboard to control the system status)

8 build-in channels



NAS for your business surveillance



Built-in HDMI
Local Display

TVS-951X-8G



3 HDMI for small scale Video
Wall solution

TVS-1282-i7-64G



HDMI 1
HDMI 2
HDMI 3

Expansion Unit support
for PB Level Storage

TDS-16489U-SA1



QVR PRO

QVR Pro is the best surveillance solution choice