

Use USB webcams to build a small-scale surveillance system with QUSBCam2



Simple steps make it easier to play QNAP NAS

1 What is QUSBCam2

2 Why QUSBCam2

3 Installation & Setting

4

Popular Use Case
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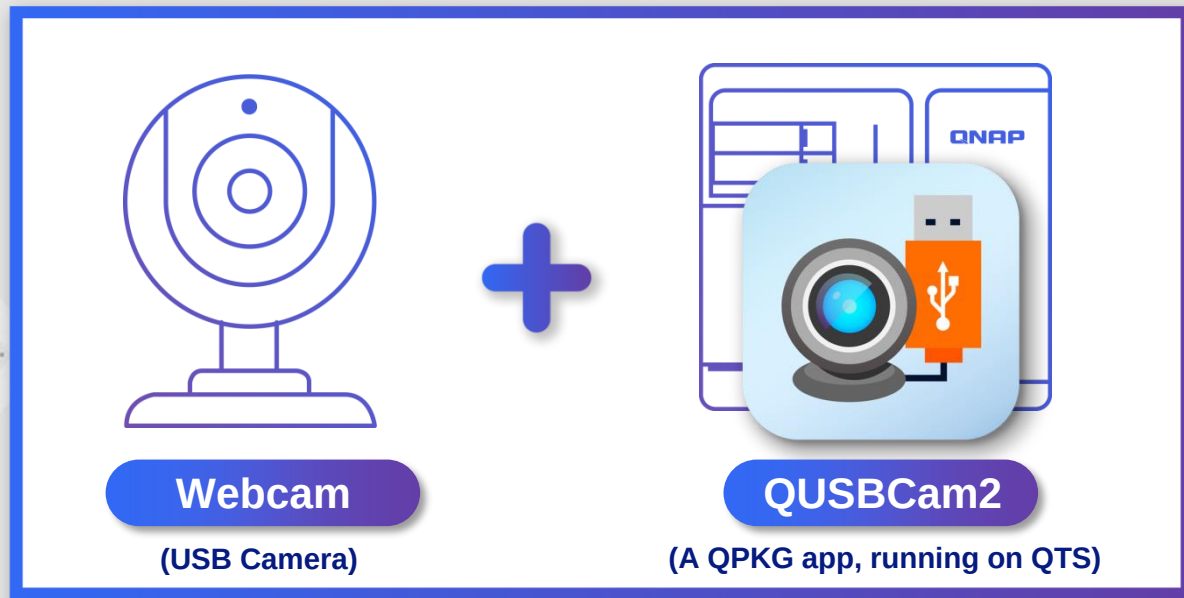
Live Demo



What is QUSBCam2 ?



Turn Webcam into an IP Cam



QTS: Based on Linux, QTS 4 is designed to deliver high-performance applications and services fulfilling your needs in file sharing, storage management, backup, virtual environments, multimedia, surveillance and more.

ONVIF: ONVIF (Open Network Video Interface Forum) The purpose is to make the integration that cross multiple brands more smooth. Make sure the VMS, Camera or related surveillance provider could integrate each other based same foundation.

RTSP: (Real Time Streaming Protocol) This is a network application layer protocol, major function is transit video and audio stream, this protocol is a favorite and necessary foundation in NVR industry.



ONVIF®

Combine The Advantages of USB Camera & IP Camera

Affordable USB Camera

Affordable

Plug & Play

Full HD
or 4K



Does not
support
surveillance
sw

Flexible IP Camera

Expensive

Need IP
from
Router

Need
power
from POE
Switch



supports
surveillance
software

Remote Live
Available



QUSBCam2

Why QUSBCam2 ?



Four Advantages

1

Affordable



2

Plug & Play



3

Remote Access



4

No Extra Power
Cables Needed



Affordable



	Webcam		IP Camera
Sample Model	Logitech BRIO 4K HD		Panasonic WV-V1170
Size	Compact		Huge
Resolution	4K (4096 x 2160) (30 fps)		4K (3,840 x 2,160) (30 fps)
Motion Detection	Not Support		Embedded
Remote Live & Management	Not Support		Support
Function	Easy		Rich
Price	US\$199		US\$1,618
Communicate Interface	USB 2.0 or USB 3.0		Ethernet (Need power supply)

Plug & Play

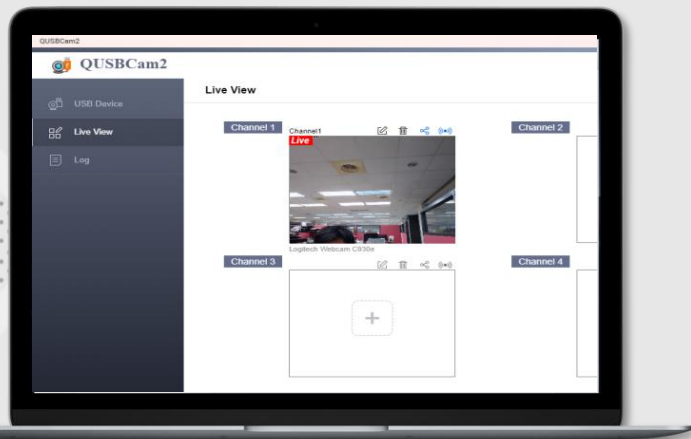


- Easy preparation, just need a Webcam and a NAS. (Webcam needs to support UVC) 
- Only 3 steps for installation. 
- X86 NAS support up to 4 USB camera (also limited by the number of NAS USB slot)
- AMD NAS support 1 USB camera.

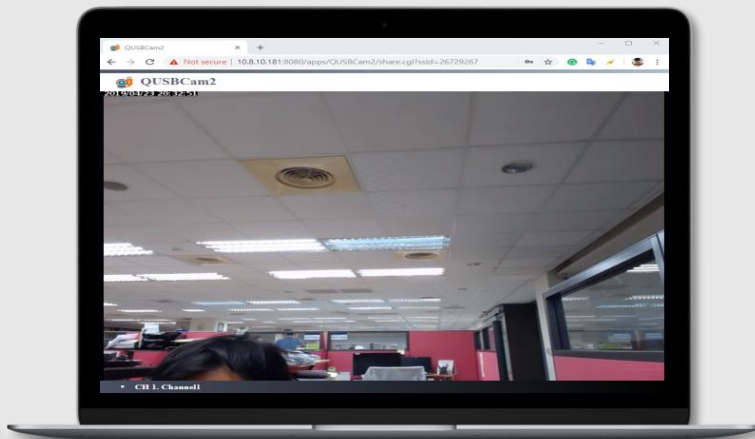


- Need IP cam, needs a router, PoE switch.
- You will need the Camera Finder from camera manufacturer to scan the IP address and set the password for the camera.

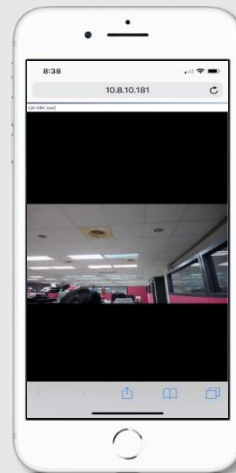
Remote Access



See Live at QUSBcam2



Share live link with friends
(Via computer browser)

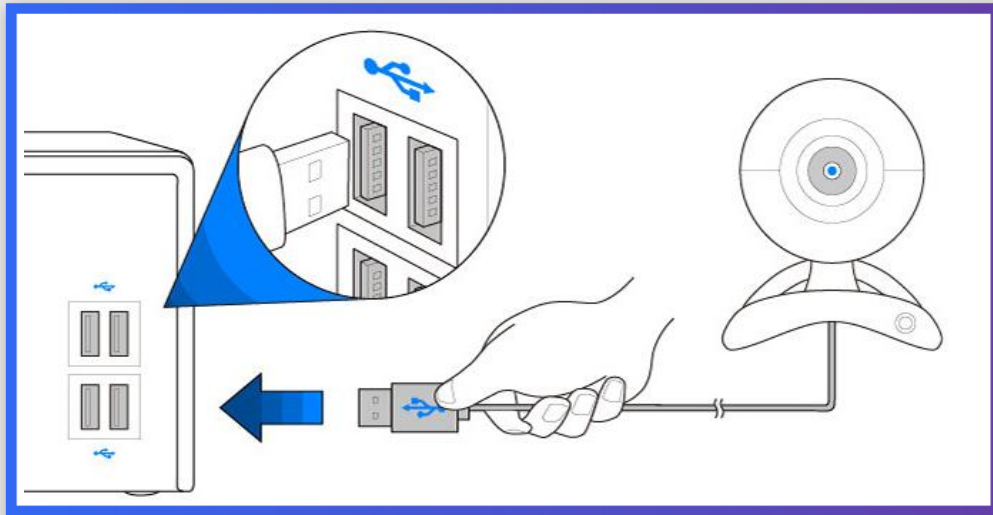


Share live link
with friends
(Via mobile browser)

No Extra Power Cables Needed



No need for power
from a PoE switch



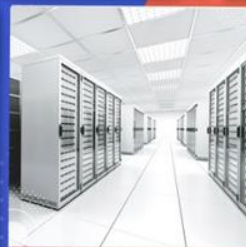
You just need plug in the
USB slot of the NAS

Various Surveillance Applications



Easy Installation & Setting!

Just 3 Steps!



Prepare to Installing QUSBCam2

logitech

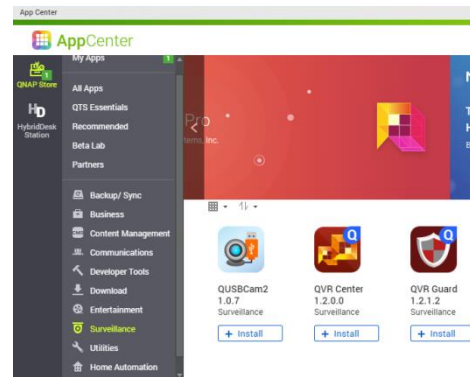


With UVC Compatible

USB Camera
(Supports UVC)

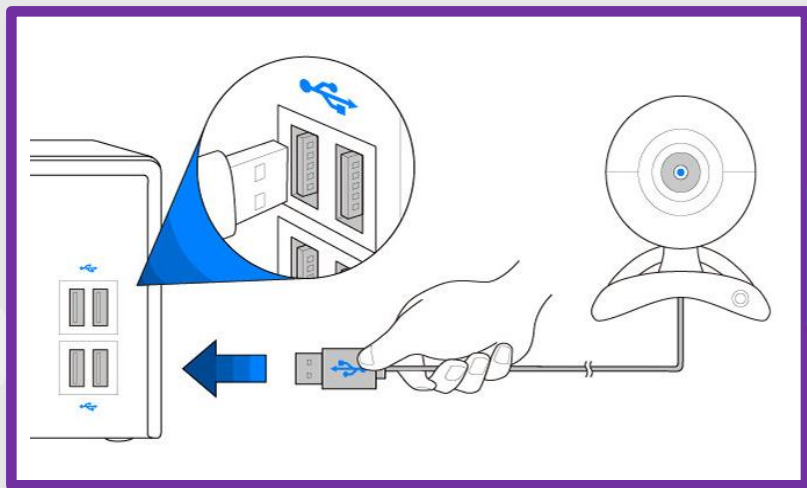


QNAP NAS
(QTS 4.3.5 or later)



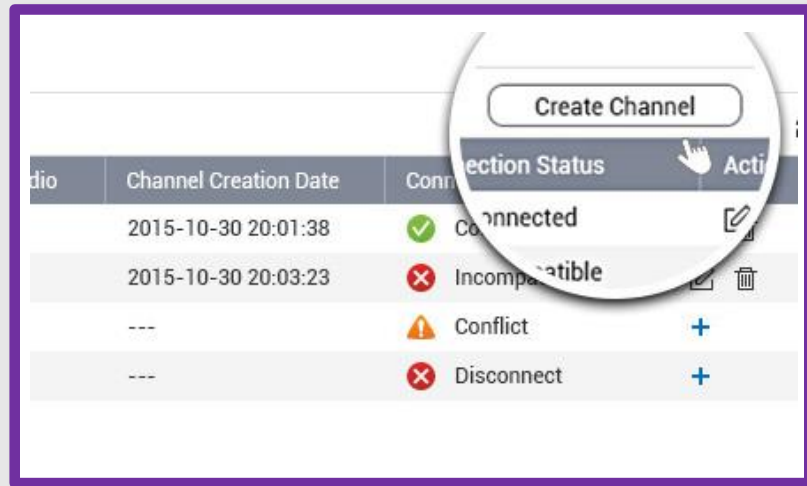
Install
QUSBCam2
Application

3 Steps Only!



Step 1

Plug the USB cam into the USB slot of the QNAP NAS



Step 2

Create a QUSBCam2 channel

Sorry! Actually Only 2 Steps

Step 3

Done ! Click the 「Live」 to see live directly!

The screenshot displays the QUSBCam2 web interface. On the left, a sidebar contains navigation options: 'USB Device', 'Channel List', and 'Log'. The main area, titled 'Channel List', shows four channels, each with a live video feed and a 'Live' button. An orange callout bubble labeled 'Live Button' points to the 'Live' button of Channel 1. In the foreground, a 'Modify Channel' dialog is open, showing settings for Channel 1, including video format (H.264), resolution (800x600), FPS (24), and audio settings. The QNAP logo is visible in the bottom left corner.

QUSBCam2

Channel List

Channel 1 **Live**

Channel 2 **Live**

Channel 3 **Live**

Channel 4

Modify Channel

Channel Number: Channel1

Channel Name: Channel1

USB Device Name: Logitech Webcam C930e

Video and Audio

Video Format: H.264

Resolution: 800x600

FPS: 24

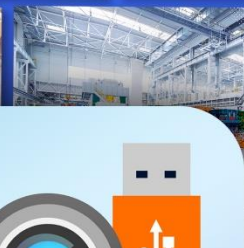
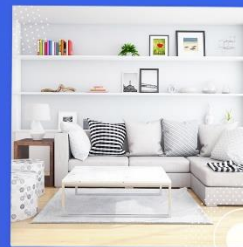
☒ Enable Audio

Volume:

Apply Cancel

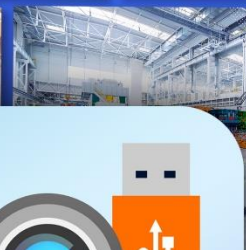
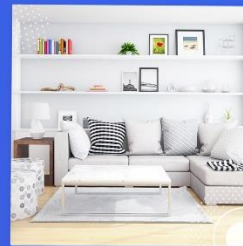
QNAP

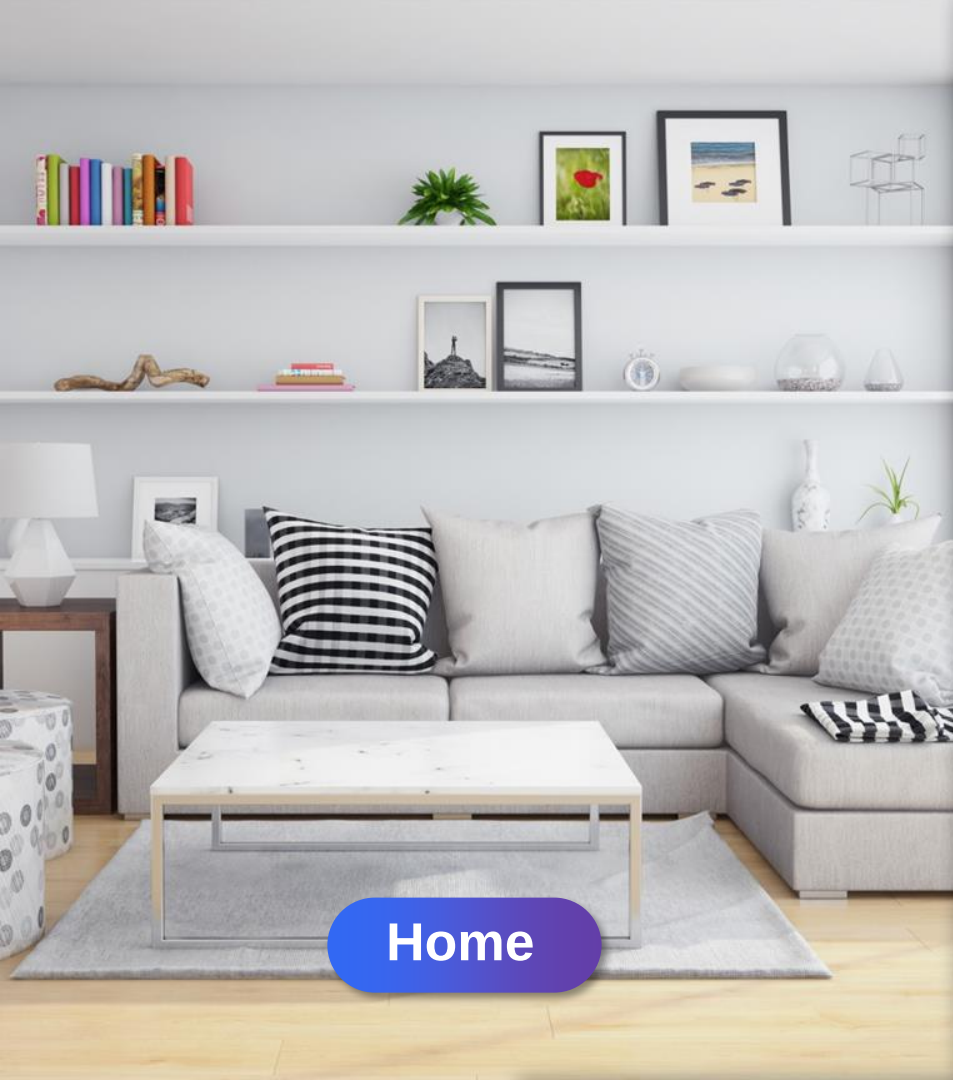
Popular Use Case Scenarios



Use Case Scenario

Personal





Home



Business

User Feedback | Smart Video BU Sales



Suggested Model :
TBS-453DX

Suggested Camera :
Logitech Webcam C930e

08.00

Heard you came back from your business trip, how did it go?

Better than ever. This time I brought a TBS-453DX and a Webcam to demo the QVR Pro. It was very convenient.

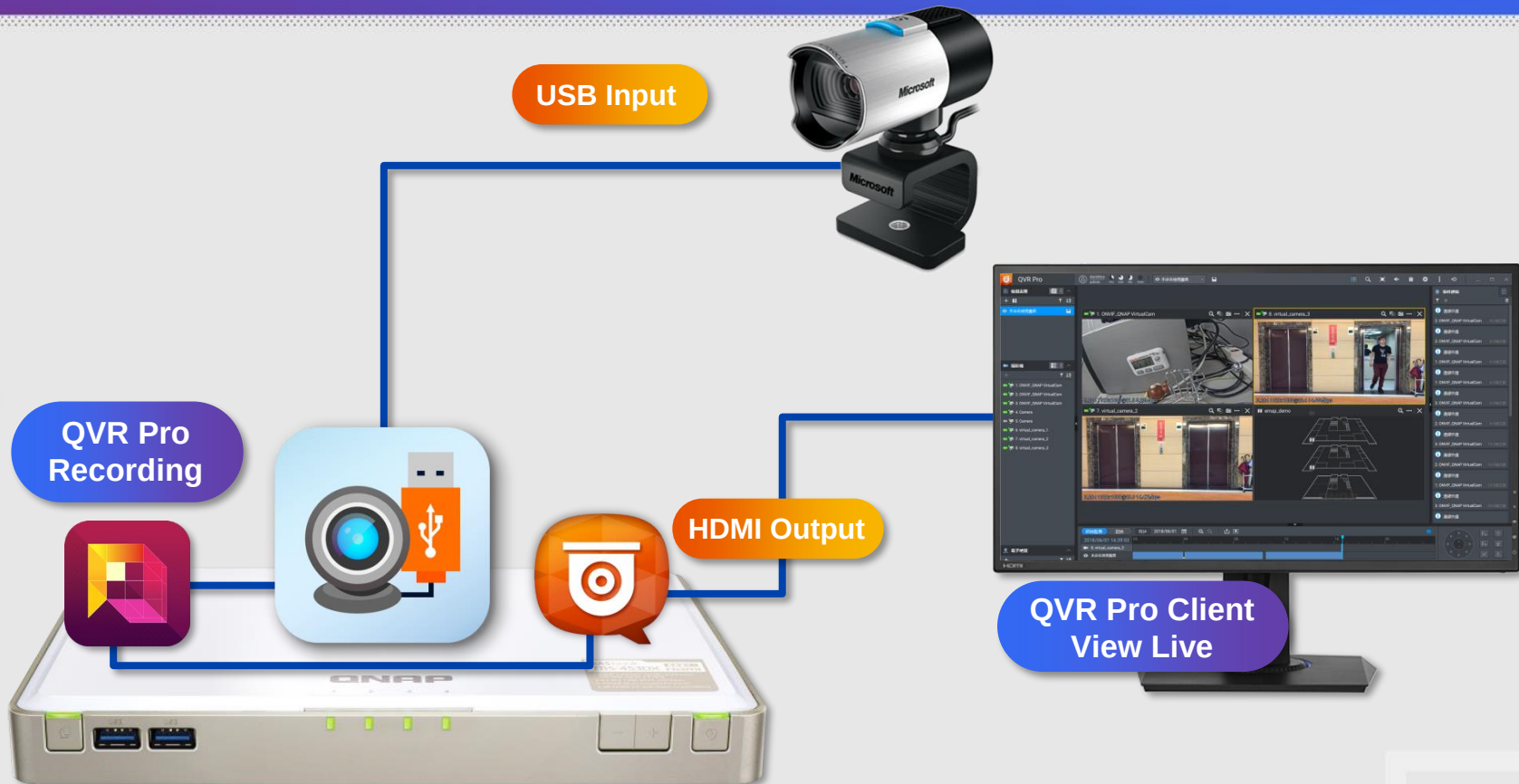
Oh is that so, I heard that the TBS-453DX is very light.

Yes! The weight is under 1 KG. I do not have to carry a Router and a PoE switch again, and I do not have to worry whether I can access their internet connection or not over there at the customers offices.



That looks better than I thought !

Small-Scale Surveillance System With QUSBCam2



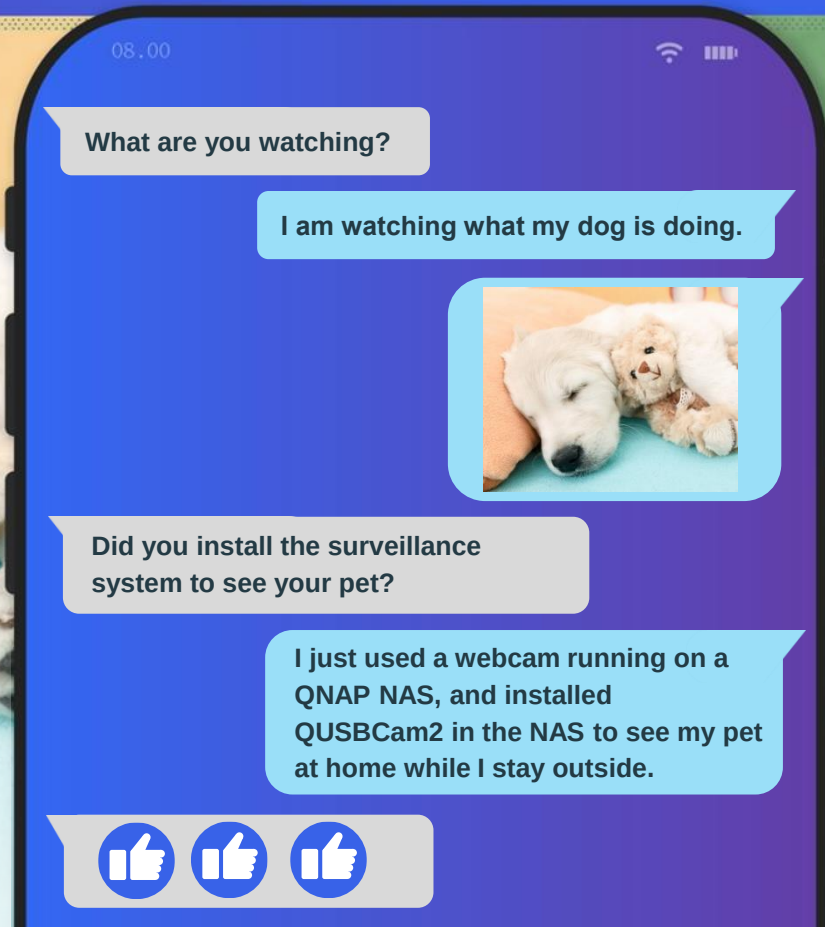
User Feedback | Remotely Monitor Your Pet



Suggested Model :
TBS-453DX



Suggested Camera :
MS LifeCam Studio



What are you watching?

I am watching what my dog is doing.



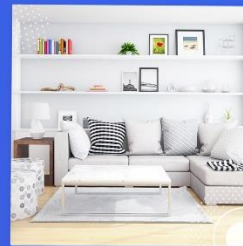
Did you install the surveillance system to see your pet?

I just used a webcam running on a QNAP NAS, and installed QUSBCam2 in the NAS to see my pet at home while I stay outside.

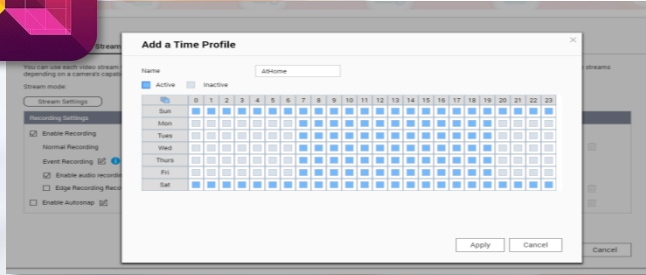


Use Case Scenario

Home



User feedback | Nursing



Suggested Model :
TS-253B



Suggested Camera :
Logitech C930e

The USB Camera does not require an additional PoE Switch and can be placed directly on the NAS machine to monitor the home environment!

With QVR Pro - event scheduling video, video recording is only available when no one is at home, taking into account the balance between security and privacy.

The scheduling feature is really great! I am worried about going to work and want to see if the caregivers are taking good care of my father, but my son is protesting against the holiday home and does not want to be monitored!

Thanks for your support!

It's a great feature!

User Feedback | Guard



Suggested Model :
TS-253B

Suggested Camera :
Logitech C930e

08:00



Is that the customer service phone clear? Thank you very much for choosing QNAP products!

Very clear! Thank you!

I just discovered that I can watch it on my mobile phone and tablet! I thought I could only use a computer! In this way, if the user is not registered, I can prove that I did not receive it, it is not lost!

Thank you!

I even could share live stream to our neighbor. This is a wonderful function.

Thanks for your feedback!



Home



Health Care

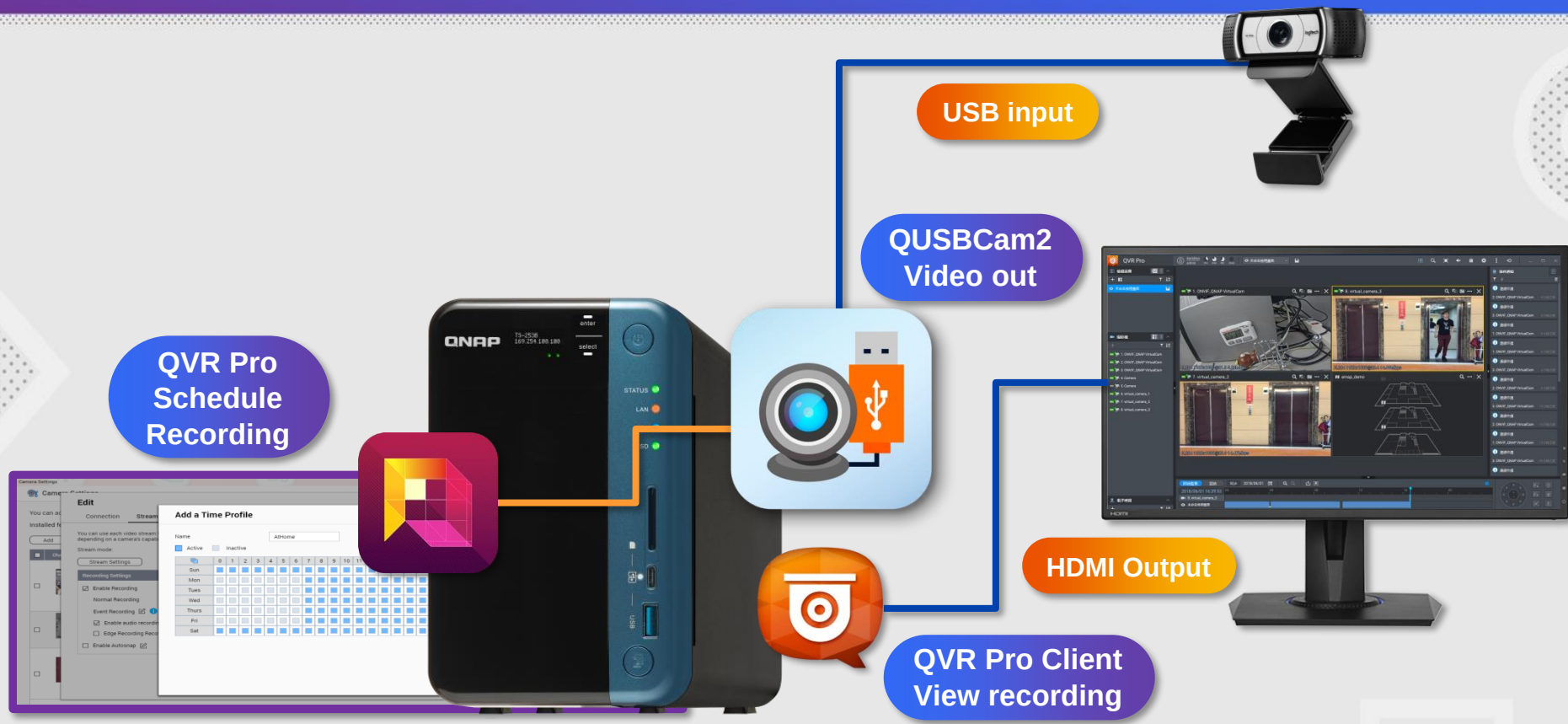


Guard



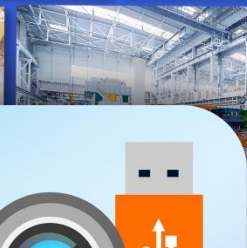
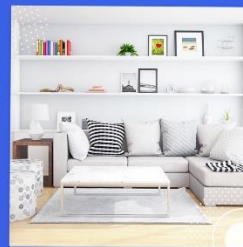
Access Control

Schedule Recording With QVR Pro



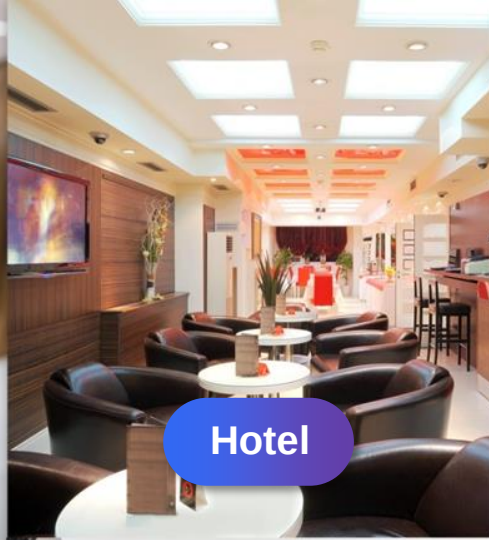
Use Case Scenario

Enterprise





Retail / Counter



Hotel



Factory / Logistics



Airport



Education



Hospital



E-Commerce



Gym

Use Case | Server Room



Motion Detection Settings

Configure 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

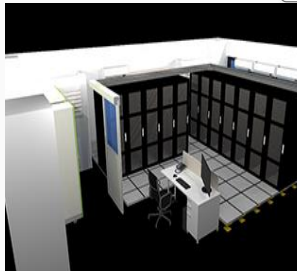
Detection zone:

☐ Full

☒ Regional

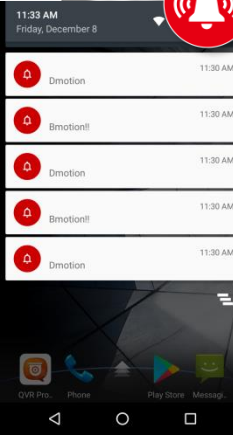
[Edit](#)

Preview:



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

[Apply](#)



Suggested Model :
TS-853BU



Suggested Camera :
Logitech BRIO 4K HD

Does QUSBCam2 meet your requirements?

I like the lightweight USB camera with good video quality. I could see the door access video footage clearly.

Thank you for your feedback

But I wish I could receive notifications when the door opens. Can QUSBCam2 do the detection?

You just need the motion detection of QVR Pro, it could detect the people opening server room door, then notify you through push notification.

Data Center Surveillance Architecture



In addition to using the traditional IP Camera, you can install the Webcam on the NAS to record the image around the device directly on the NAS.

Use Case | Factory



Suggested Model :
TS-853BU

Suggested Camera :
Logitech BRIO 4K HD

08.00



How's the IP Camera resolution on QUSBCam2?

You could use 4K USB camera to record the details of production line by QUSBCam2 and QVR Pro.

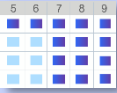
Support up to 4K resolution, it could keep the detail of video.

Thank you for your quick answer !

The picture is really clear, thank you.

You are welcome!

Summary

	 Personal	 Home	 Enterprise
Suitable Application	Share the URL (Password protected) 	 + 	 + 
Function		Recording schedule at QVR Pro	Motion Detection at QVR Pro
Suitable NAS Model	TBS-453DB 	TS-253B 	TS-853BU 
Reason	Compact	Balance	Huge Storage
Suitable Webcam	Logitech C930e 	Microsoft LifeCam Studio 	Logitech BRIO 4K HD 
Reason	Compact	Good Video Quality	4K Resolution

Live Demo

How to select a Webcam
Installation & Configuration
Sharing live link



QUSBCam2

*QNAP NAS is your
best choice!*

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