

  
USA Vision UA-SNVR3240-N  
Linux Based Standalone  
SNVR and Decoder



# USA Vision UA-SNVR3240-N Linux Based Standalone SNVR and Decoder User Guide

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**USA Vision UA-SNVR3240-N Linux Based Standalone SNVR and Decoder**



## Product Information

### Specifications

- Model: UA-SNVR
- Variants: UA-SNVR3240-N, UA-SNVR1620-P, UA-SNVRL810-P
- Manufacturer: USA Vision Systems Inc.
- Address: 9301 Irvine Blvd, Irvine, CA 92618, USA
- Contact: Tel +1-[949-421-5910](tel:949-421-5910), Fax +1-949-583-152
- Website: <https://www.geovision.com.tw/us/>

## Product Usage Instructions

### Introduction

Before attempting to connect or operate the product, please read the instructions carefully and save the manual for future reference.

### Front View

Describe the front view of the product here.

### Rear View

Describe the rear view of the product here.

### Installation

Follow the steps below for installation:

### Connection Diagram

Refer to the provided connection diagram for proper setup.

### HDD Installation

Instructions on how to install the HDD in the product.

### Power Supply Connection

Guidance on connecting the power supply to the product.

### Getting Started

Follow these steps to get started with the product:

### Start Wizard

Initiate the Start Wizard to begin setup.

### **Start Wizard**

Detailed instructions on using the Start Wizard.

### **Connecting IP Cameras**

Steps to connect IP cameras to the system.

### **Getting Started for UA-SNVR3240-N**

Specific instructions for starting with UA-SNVR3240-N variant.

### **Live View Overview**

An overview of the live view feature.

### **Main Window**

Description of the main window during live view.

### **Recording Playback**

Guidance on accessing and playing back recordings.

### **Accessing the Playback Window on UA-SNVR**

Steps to access the playback window on UA-SNVR.

### **Exporting and Playing Recordings**

Instructions for exporting and playing recorded footage.

### **Frequently Asked Questions (FAQ)**

- **Q: Can I connect wireless cameras to this system?**
  - A: This system is designed to work with IP cameras, please check compatibility before connecting wireless cameras.
- **Q: How do I update the firmware of the UA-SNVR?**
  - A: Firmware updates can be obtained from our website, follow the provided instructions for updating the firmware.

### **Quick Start Guide**

#### **UA-SNVR**

- UA-SNVR3240-N
- UA-SNVR1620-P
- UA-SNVRL810-P

Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

UVSSNVR-QG-A

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- <https://www.geovision.com.tw/us/>

February 2023

Scan the following QR codes for product warranty and technical support policy



[Warranty]



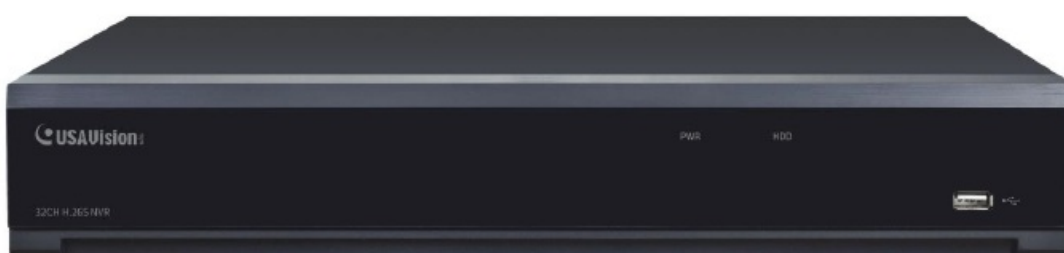
[Technical Support Policy]

## Introduction

Welcome to the UA-SNVR Quick Start Guide. In the following sections, you will learn about the basic installations and configurations. For more details, see UA-SNVR User's Manual.

**Note:** The first time you run the NVR, you will be required to set your password immediately in order to protect your privacy. Please be sure to record your username and password and save them in a secure place. If you forget your password, you will be unable to log in the system. For this case, please contact your reseller to reset the password.

## Front View



Item	Description
Power LED	Show constant green when power is supplied.
HDD LED	Show constant red when the HDD is connected. Flash red when recording or playback is enabled.
USB Port	Connect the supplied mouse or USB flash memory.

## Rear View

### UA-SNVR3240-N



Item	Description
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.
USB Port	Connect a USB device, such as USB mouse and USB flash disk.
Sensor / Alarm / RS-485 Terminal Block	Connect to sensor, alarming devices, and/or RS-485 PTZ cameras.
Reset	Restore the device to its default settings. The reset hole is under the U SB Port.
HDMI Port	Connect a HDMI-supported monitor.
VGA Port	Connect a VGA monitor, such as PC monitor.
LINE IN	Connect a microphone.
Audio Output	Connect a speaker.
WAN Port	Connect to an external network.
LAN Port	Connect to a router or switch for connecting cameras.

**IMPORTANT:** WAN and LAN ports are not linked, and the LAN port does not have the internet access. If you want to connect IP cameras to the LAN port to create a separate and local network, see 3.2 Getting Started for UA-SNVR3240-N.

### UA-SNVR1620-P



Item	Description
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.
USB Port	Connect a USB device, such as USB mouse and USB flash disk.
Sensor / Alarm Terminal Block	Connect to sensor or alarming devices.
Reset	Restore the device to its default settings. The reset hole is under the USB Port.
HDMI Port	Connect a HDMI-supported monitor.
VGA Port	Connect a VGA monitor, such as PC monitor.
LINE IN	Connect a microphone.
Audio Output	Connect a speaker.
WAN Port	Connect to an external network.
LAN Port	Connect up to 16 cameras, with PoE supply.
RS-485 Terminal Block	Connect to a PTZ camera.

## UA-SNVRL810-P

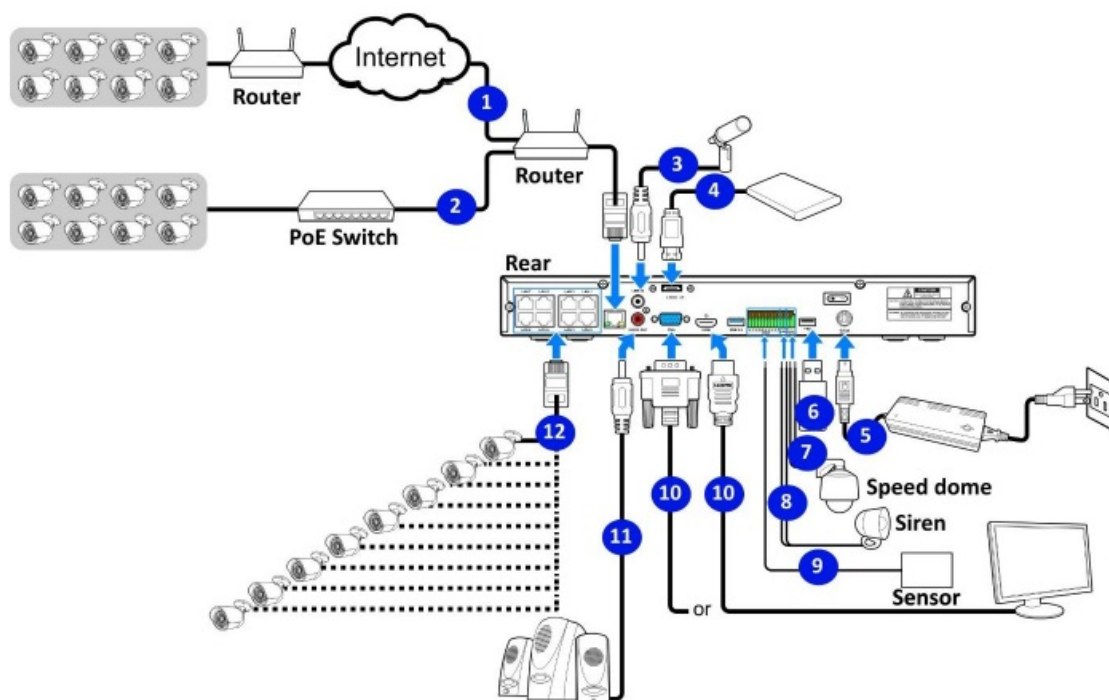


Item	Description
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.
USB Port	Connect a USB device, such as USB mouse and USB flash disk.
Reset	Restore the device to its default settings. The reset hole is under the USB Port.
HDMI Port	Connect a HDMI-supported monitor.
VGA Port	Connect a VGA monitor, such as PC monitor.
Audio Output	Connect a speaker.
WAN Port	Connect to an external network.
LAN Port	Connect up to 8 cameras, with PoE supply.

## Installation

### Connection Diagram

The following diagram is for reference only. The practical connection may be different depending on the NVR you purchased.



1. You can connect to other IP cameras remotely over the Internet.
2. Connect a CAT.5E or higher RJ45 Ethernet cable for local connectivity. You can connect to other IP cameras through your local network.
3. Two-way voice conversation with the remote PC.
4. Connect an external hard disk drive to back up files stored on the NVR.
5. Connect the included power cable.
6. Use the USB flash disk for backup, camera, or system upgrade.

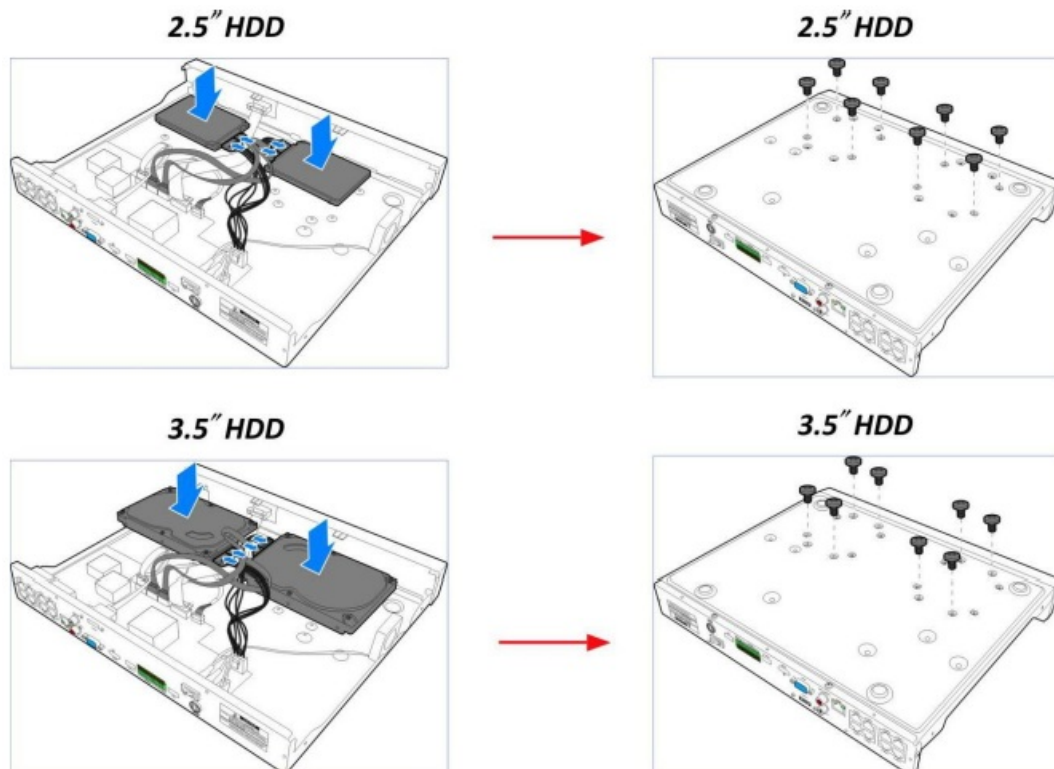
7. Connect a RS-485 device such as speed dome camera.
8. Connect an external alarm output device such as siren.
9. Connect external alarm sensors.
10. Connect the video output of the NVR to the TV or monitor via HDMI or VGA connection.
11. Connect speakers if you want to listen to the live audio or audio playback from the NVR.
12. Connect PoE IP cameras. It may take up to 1 minute for the cameras to start transmitting video to the NVR.

## HDD Installation

The number of 3.5" / 2.5" SATA hard drives that the NVR can support varies depending on the model. The following procedures are for reference only. The practical operation may be different depending on the NVR you purchased.

**Caution:** Do not install or remove the hard disk drive while the power is turned on.

- Connect the data and power cables to the two hard disk drives and place the hard disk drives on the NVR case.
- Carefully flip the NVR case and secure the hard disk drives to the NVR with the eight (8) screws

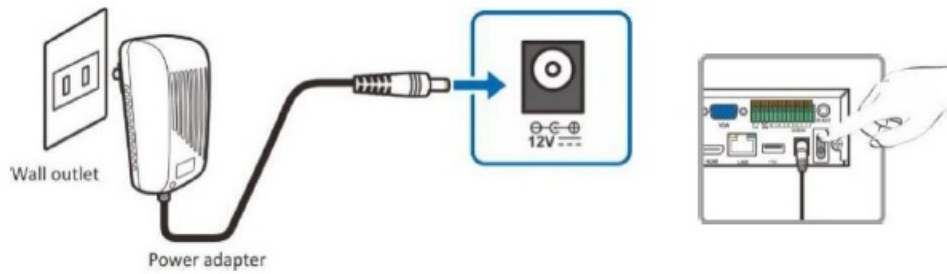


## Power Supply Connection

**Caution:** Only use the supplied power adapter that comes with the NVR.

Connect one end of the power adapter to the power connector on the back of the NVR. Plug the other end of the power adapter into the wall outlet. And press the Power Switch to turn on the power.





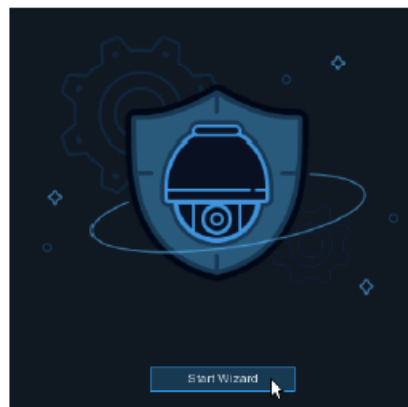
## Getting Started

### Start Wizard

**Note:** The Start Wizard does not work for UA-SNVR3240-N. For the first-time users of this model, see 3.2 Getting Started for UA-SNVR3240-N.

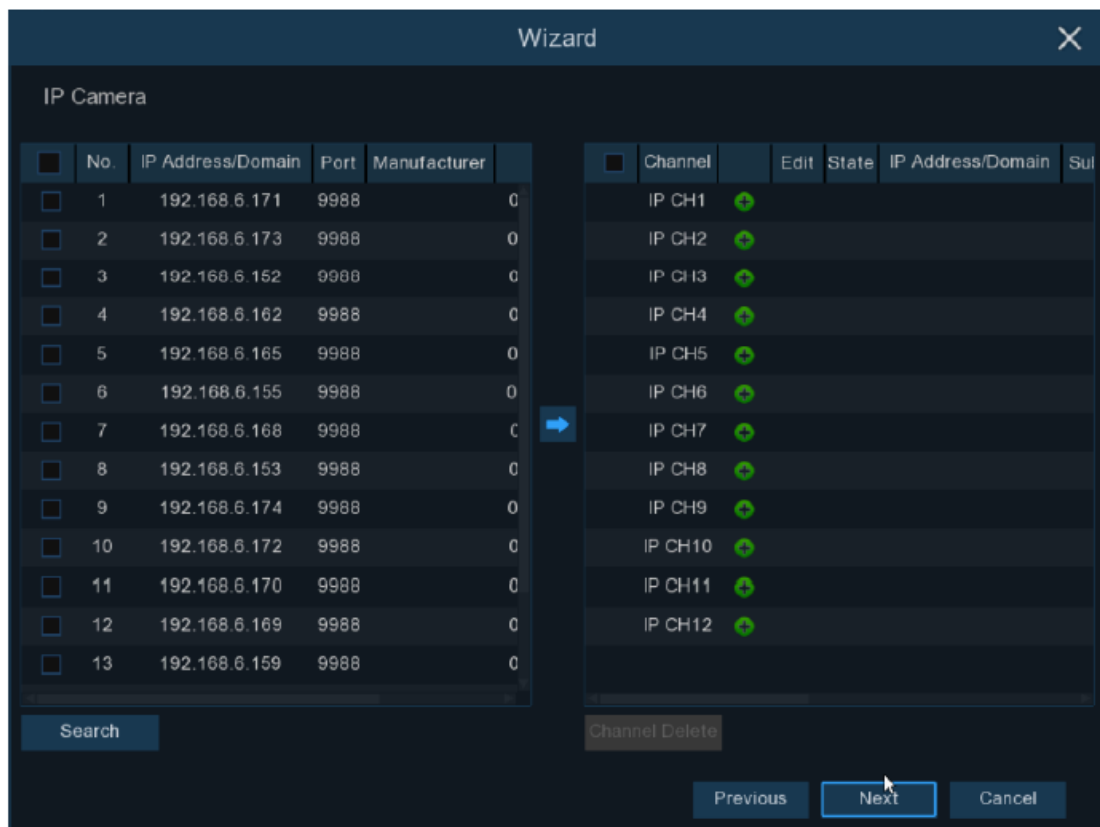
### Start Wizard


Click Start Wizard to proceed to the next step.




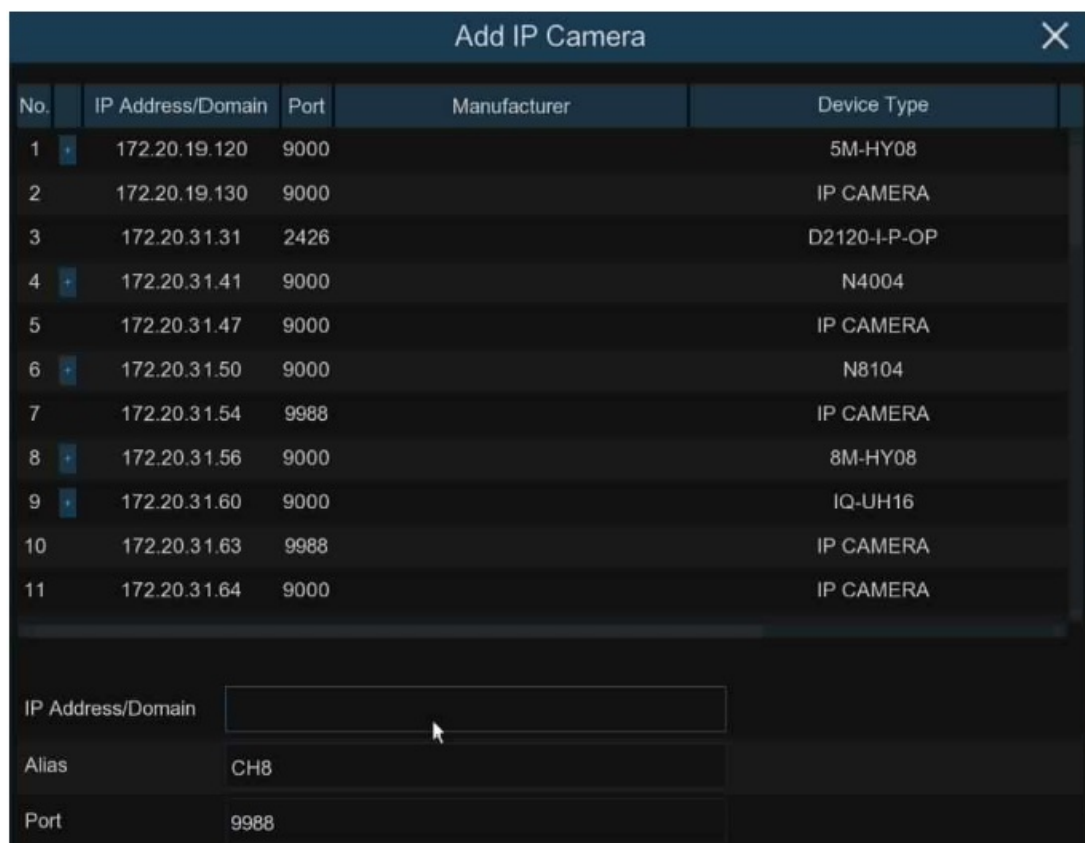
### Connecting IP Cameras

After finishing setting Network Configuration and Date and Time, this page appears.



Click Search to search for IP cameras in the same network. Select the IP camera(s) you want to add, and then click  icon to add to the NVR.

Or, click  button to manually add an individual IP camera to a single channel. This dialog box appears.



Protocol: Private

User Name: admin

Password: ..... ☐ Show Password

Search Default Password Add Cancel

- **IP Address/Domain:** Enter the IP address or domain name of the IP camera.
- **Alias:** Name the IP camera.
- **Port:** It is set to 80 by default. Modify it if necessary.
- **Protocol:** Select the protocol of the IP camera from the dropdown menu.
  - Select Onvif for UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA / GV-IP cameras
  - Select Private for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2
  - Select RTSP, and type the commands as shown below:
    - **Main Stream:** rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=0
    - **Sub Stream:** rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=1
- **User Name:** Enter the username of the IP camera.
- **Password:** Enter the password of the IP camera.

Click Add to add the IP camera to the NVR.

## IMPORTANT

1. The system fills in the ID and password using admin/admin123. for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2 by default. Make sure to enter the correct ID and password of the IP cameras if the login credentials have been changed on the IP cameras before connecting to UA-SNVR models.
2. The default password is 123456 for the following IP camera models: UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA. To modify the password on the camera's Web interface, refer to Network Cameras User Manual for details.

## Getting Started for UA-SNVR3240-N

UA-SNVR3240-N has two network ports, LAN and WAN. Both ports are not linked, and the LAN port does not have the internet access. Therefore, there are two methods for connecting IP cameras to UA-SNVR3240-N.

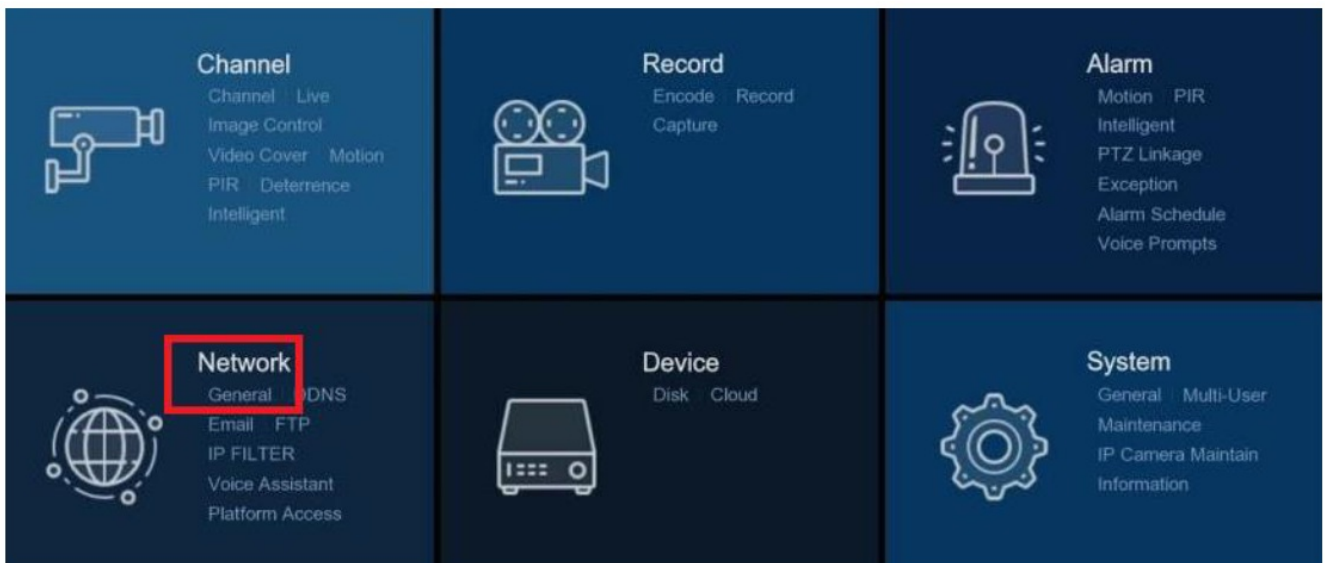
1. Connect IP cameras and UA-SNVR3240-N to the WAN port, using a router.
2. Connect IP cameras to the LAN port, using a router, to have a separate and local network.

## To connect IP cameras to the LAN port, follow the steps below

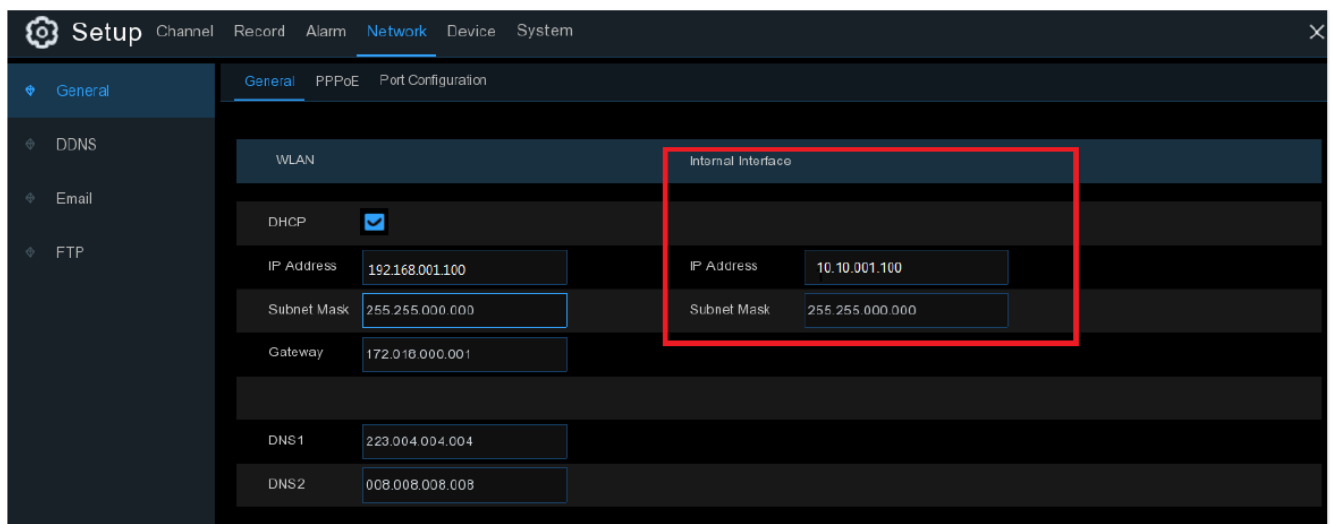
1. Before connecting, configure the following first:


- Prepare a router with a different IP address in the same network segment as the NVR.
- Set up the ID and Password for each IP camera.

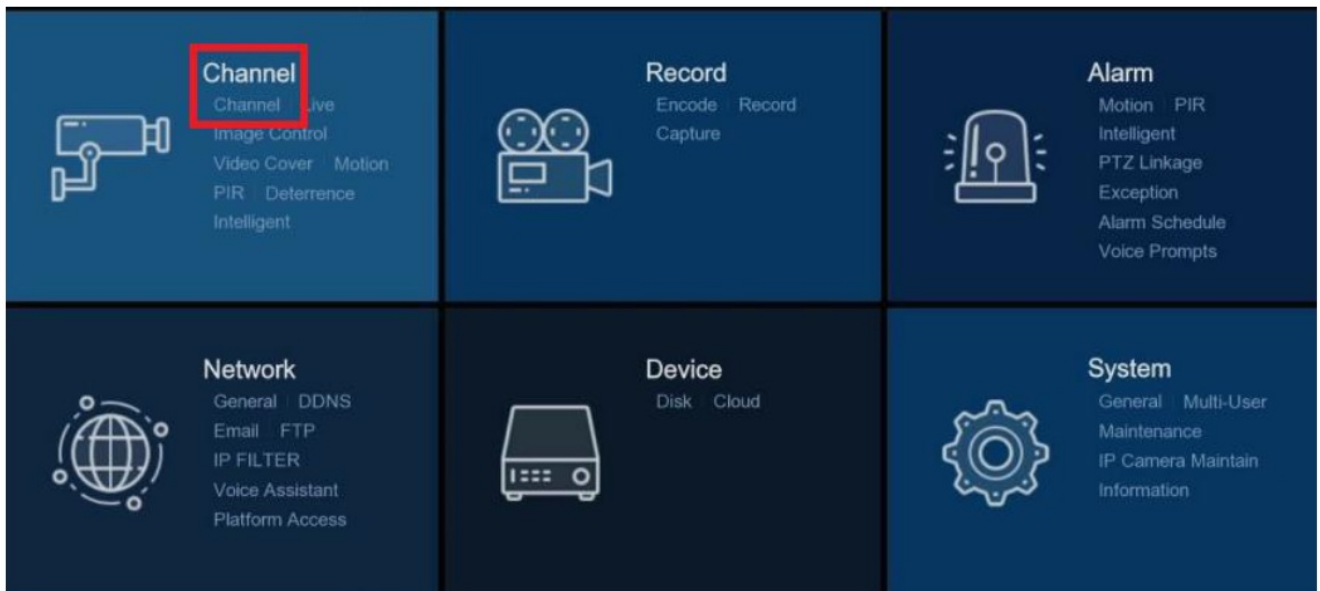
2. On the NVR's taskbar, click Start Menu  Setup > Network > General.



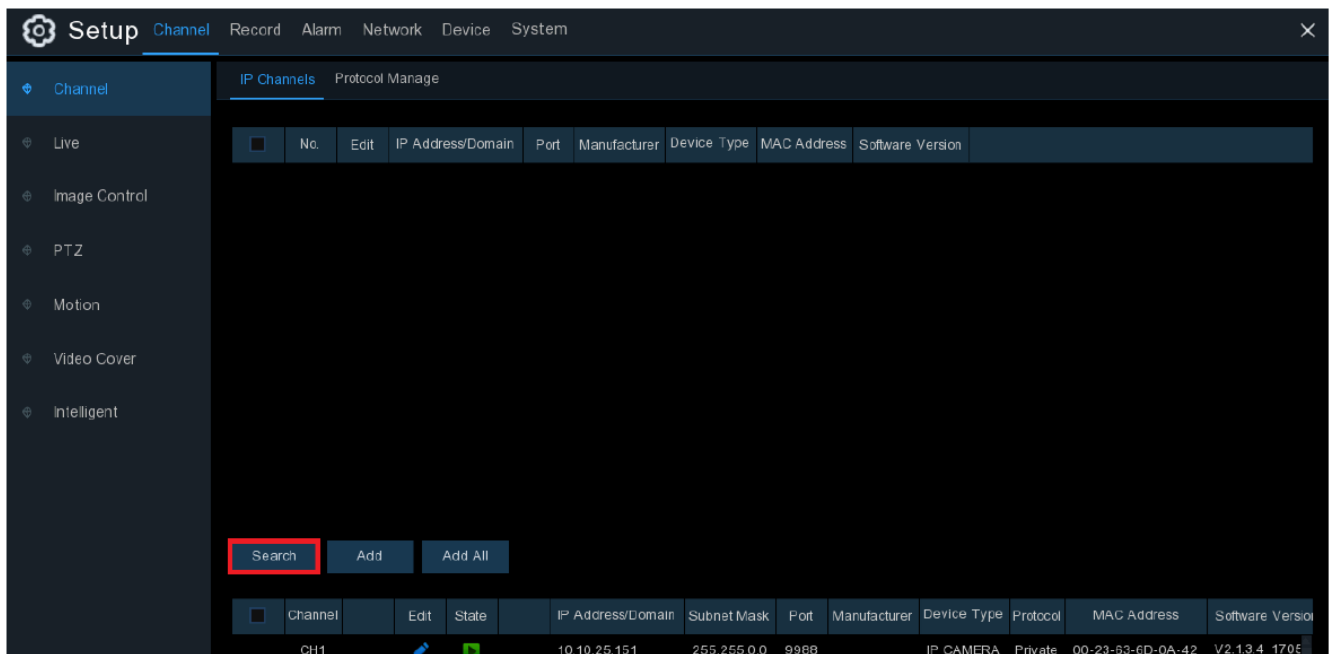
3. Under Internal Interface, enter the IP address and Subnet Mask of the router connecting to the NVR. The IP addresses of the WAN and LAN should not be identical, and both should have the same Subnet Mask.



4. On the NVR's taskbar, click Start Menu  >Setup > Channel > Channel.



5. Click Search to search for IP cameras from local network. The cameras found should be displayed in a list.



6. Select desired cameras in the list, and click Add or Add All. The Add IP Camera dialog box appears. The following is the dialog box when you click Add to add a camera.

ID	IP Address/Hostname	Port	Model	Protocol	User Name	Password	Bind channel
10	192.168.0.113	8000	GV-AS1620	None			
11	192.168.0.127	80	GV-AS1620	Private	admin	*****	CH1

IP Address/Hostname	192.168.0.127
Alias	CH1
Port	80
Protocol	Private
User Name	admin
Password	*****
Bind channel	CH1

Search
Default Password
Add
Cancel

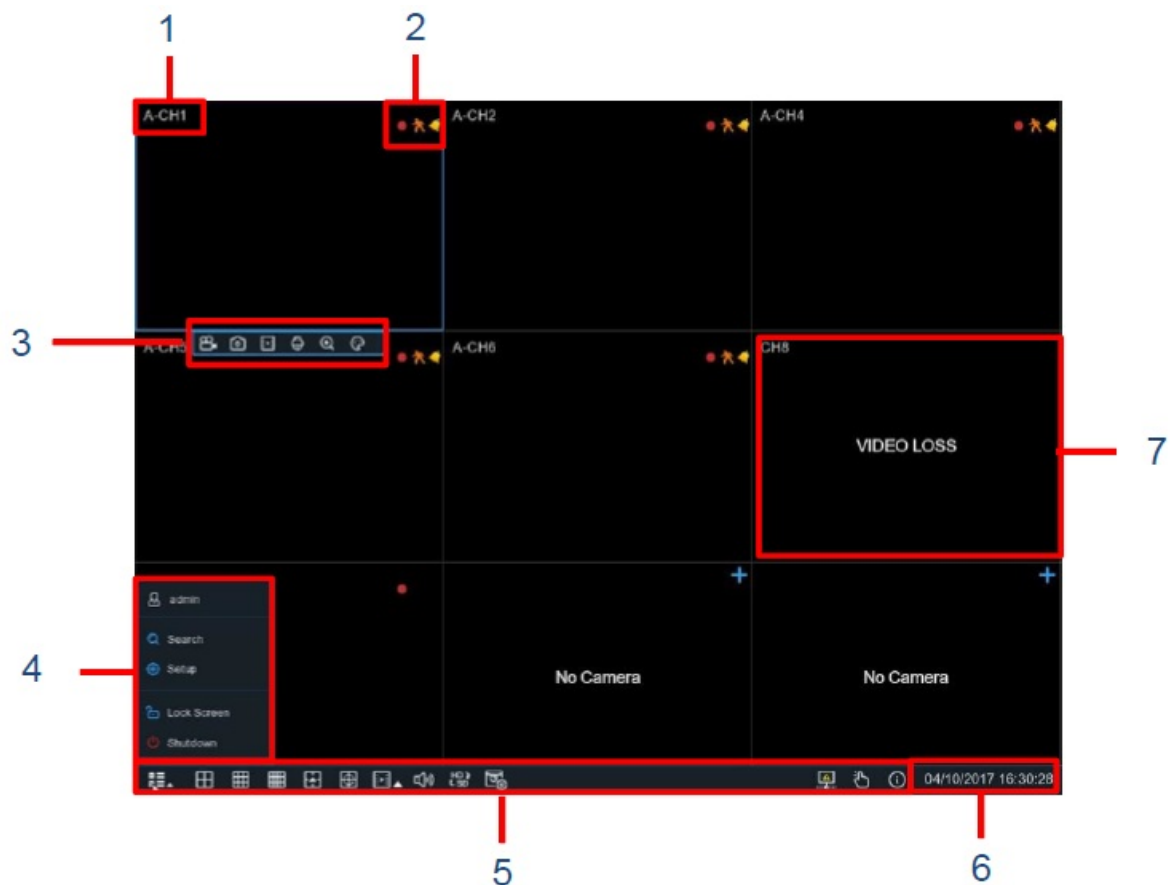
- **Port:** It is set to 80 by default. Modify it if necessary.
- **Protocol:** Select the protocol of the IP camera from the dropdown menu.
  - Select Onvif for UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA / GV-IP cameras
  - Select Private for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2
  - Select RTSP, and type the commands as the example below  
**Main Stream:** rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=0  
**Sub Stream:** rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=1
- **User Name:** Enter the username of the IP camera.
- **Password:** Enter the password of the IP camera.
- **Bind channel:** Select a channel of the NVR you want to attach to.








## IMPORTANT



1. The system fills in the ID and password using admin/admin123. for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2 by default. Make sure to enter the correct ID and password of the IP cameras when adding them to the NVR.
2. The default password is 123456 for the following IP camera models: UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA. To modify the password on the camera's Web interface, refer to Network Cameras User Manual for details.

## Live View Overview

### Main Window



No.	Name	Description
1	Camera Title	Display channel number.
2	Status Icon	 This indicates that the NVR is currently recording.  This icon appears when the camera has detected motion.  The icon indicates that the external I/O alarm device is triggered.  This icon indicates that the HDD is in error to work.  This icon indicates the HDD is unformatted.  This icon indicates the HDD is full.  This icon indicates the HDD is read-only.
3	Camera Quick Toolbar	Left-click on the screen to quickly access the camera's toolbar. Refer to 4.2.1 <i>Camera Quick Toolbar</i> in the manual for details.

4	Start Menu	<b>admin:</b> To switch user. <b>Search:</b> Search & Playback. <b>Setup:</b> System Setup. <b>Lock Screen:</b> Lock and unlock screen. <b>Shutdown:</b> Shutdown, reboot, and log out the system.
5	Task Menu Bar	Locate at the bottom of the live view screen. Refer to 4.2.2 <i>Taskbar</i> in the manual for details.
6	System Date and Time	Display the system's date and time.
7	OSD	<b>VIDEO LOSS:</b> The camera is disconnected.  <b>No Camera:</b> No camera is assigned.  <b>Decoding Failed:</b> The NVR doesn't support the current IP camera compression standard. Change the compression standard to H.264.   Click to open <b>Quick Add</b> menu to add IP camera.   Click to edit the current IP camera.

For details, see 4.2 Live View Screen Overview in the Manual.

## Recording Playback

### Accessing the Playback Window on UA-SNVR



On the main window, click the Playback icon on the toolbar at the bottom to play back the video. At the



lower left corner of the main window, you can also click the Start icon and Search to open the playback window to customize the playback channels and event types, and then play back the video. For details, see Chapter 6 Search, Playback & Backup in the User's Manual.

### Exporting and Playing Recordings

#### Saving Video Clips from Local UA-SNVR



1. At the lower left corner of the main window, click the Start icon and Search to open the playback window.



2. Insert a USB flash drive, and click the Save icon from the video playback controls to save the video clips.

### Exporting Video Clips from the Web interface of UA-SNVR

1. On the main page, click the Playback tab to open the playback page.





2. After searching for the desired recordings, click the Download icon from the video playback controls.
3. Select the desired files and click Start Download to download the video clips.

## Playing Video Clips Exported Locally or from the Web Interface of UA-SNVR

1. Install one of the following players:
  - USAVision Player
  - VLC Media Player
  - KM Player
2. Launch the player and locate the recordings, and wait for 3 ~ 30 seconds before it starts to play.

**Note:** Make sure to launch and player first and locate the recordings on the player to prevent latency.

## Remote Access via Web Client

Use the Web Client to remotely access your NVR at any time via a PC. Before you access the Web Client, ensure that your PC's system meets the basic requirements and that the network settings of the NVR are configured properly.

## Basic System Requirements

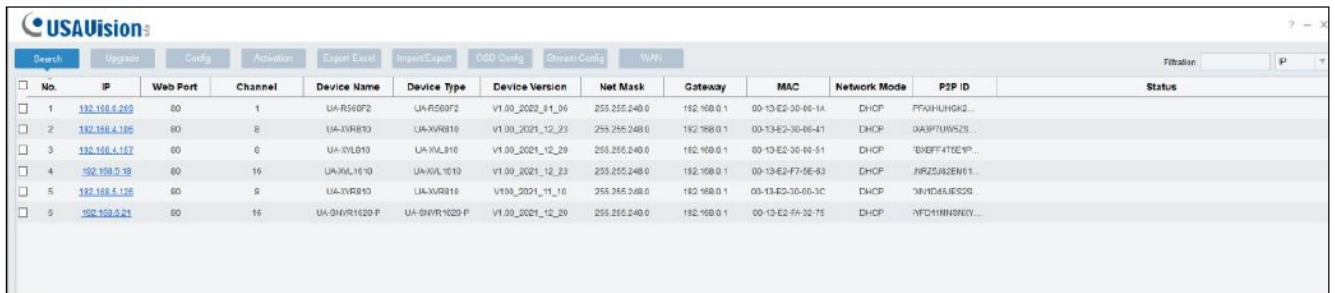
Item	Minimum	Recommended
CPU	Intel Core™ i5 CPU	Intel Core™ i5 CPU or higher
RAM	4G or more	8G or more
Hard Drive	500G or more	1000G or more
Display RAM	2G or more	4G or more
Display Resolution	1280*1024	1920*1080
OS	Windows 7 or above Mac OS X 10.9 or above	
DirectX	DirectX 11	
Direct3D	Acceleration Function	
Ethernet Adapter	10/100/1000M Ethernet Adapter	
Browser	<ul style="list-style-type: none"><li>• IE 10 / 11</li><li>• Safari V12.1 or above Firefox V52 or above</li><li>• Google Chrome V57 or above</li><li>• Edge V79 or above</li></ul>	

## Looking Up the Dynamic IP Address

By default, when the NVR is connected LAN with DHCP server, it is automatically assigned with a dynamic IP

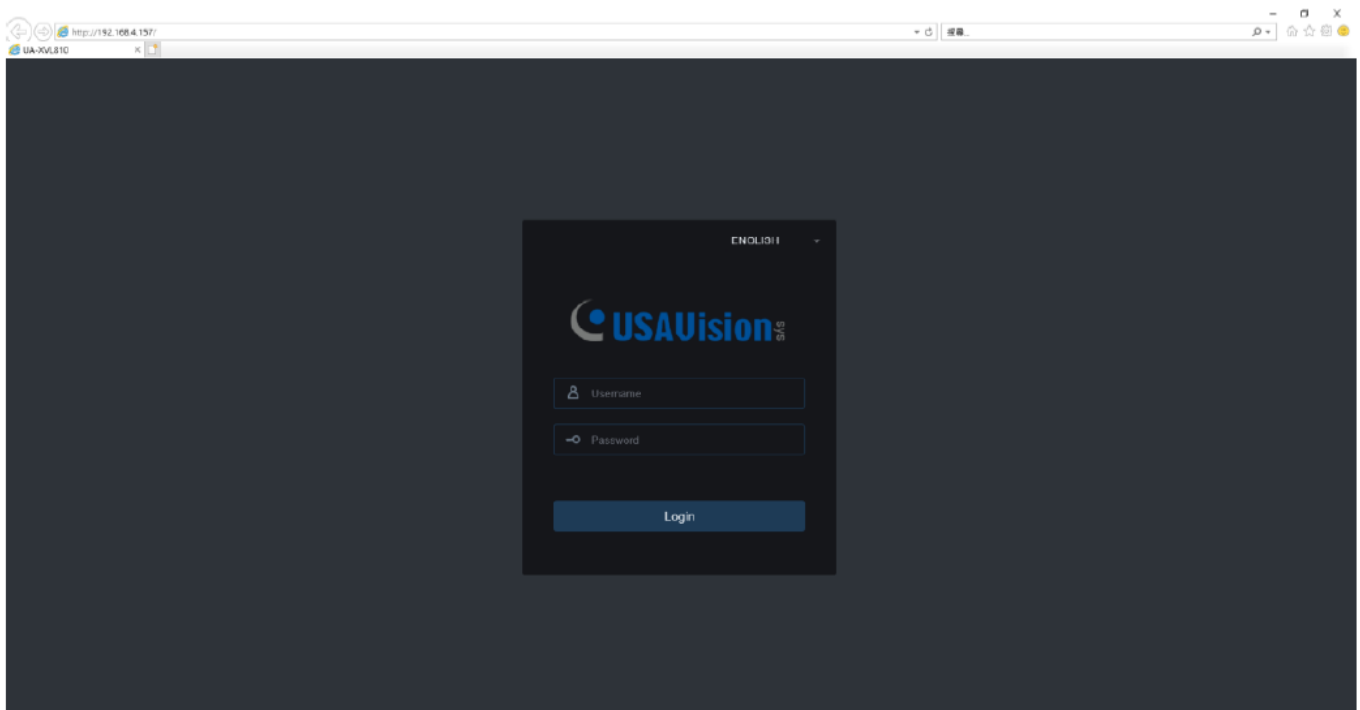
address. Follow the steps below to look up its IP address.

1. Download and install UVS Device Utility from our website.
2. On the UVS Device Utility window, click Search to search for the devices connected in the same LAN.
3. Find the device with its Mac Address and click on its IP address.



No.	IP	Web Port	Channel	Device Name	Device Type	Device Version	Net Mask	Gateway	MAC	Network Mode	P2P ID	Status
1	192.168.5.209	80	1	UA-R560F2	UA-R560F2	V1.00_2022_01_06	255.255.240.0	192.168.0.1	00-13-E2-30-66-1A	DHCP	FF0H-HUGK2...	
2	192.168.4.106	80	8	UA-XVR810	UA-XVR810	V1.00_2021_12_23	255.255.240.0	192.168.0.1	00-13-E2-30-66-41	DHCP	DA3PTUWSZS...	
3	192.168.4.137	80	6	UA-XVL810	UA-XVL810	V1.00_2021_12_20	255.255.240.0	192.168.0.1	00-13-E2-30-66-51	DHCP	1B0FF4TDEP...	
4	192.168.5.18	80	16	UA-XVL1610	UA-XVL1610	V1.00_2021_12_23	255.255.240.0	192.168.0.1	00-13-E2-F7-5E-93	DHCP	JRZ2J8ZEM1...	
5	192.168.5.126	80	8	UA-XVR810	UA-XVR810	V1.00_2021_11_10	255.255.240.0	192.168.0.1	00-13-E2-30-66-3C	DHCP	WHD4SKESS2...	
6	192.168.5.21	80	16	UA-SMVR1620-F	UA-SMVR1620-F	V1.00_2021_12_20	255.255.240.0	192.168.0.1	00-13-E2-FA-32-75	DHCP	NFD11HNB00Y...	

4. The login web page appears.

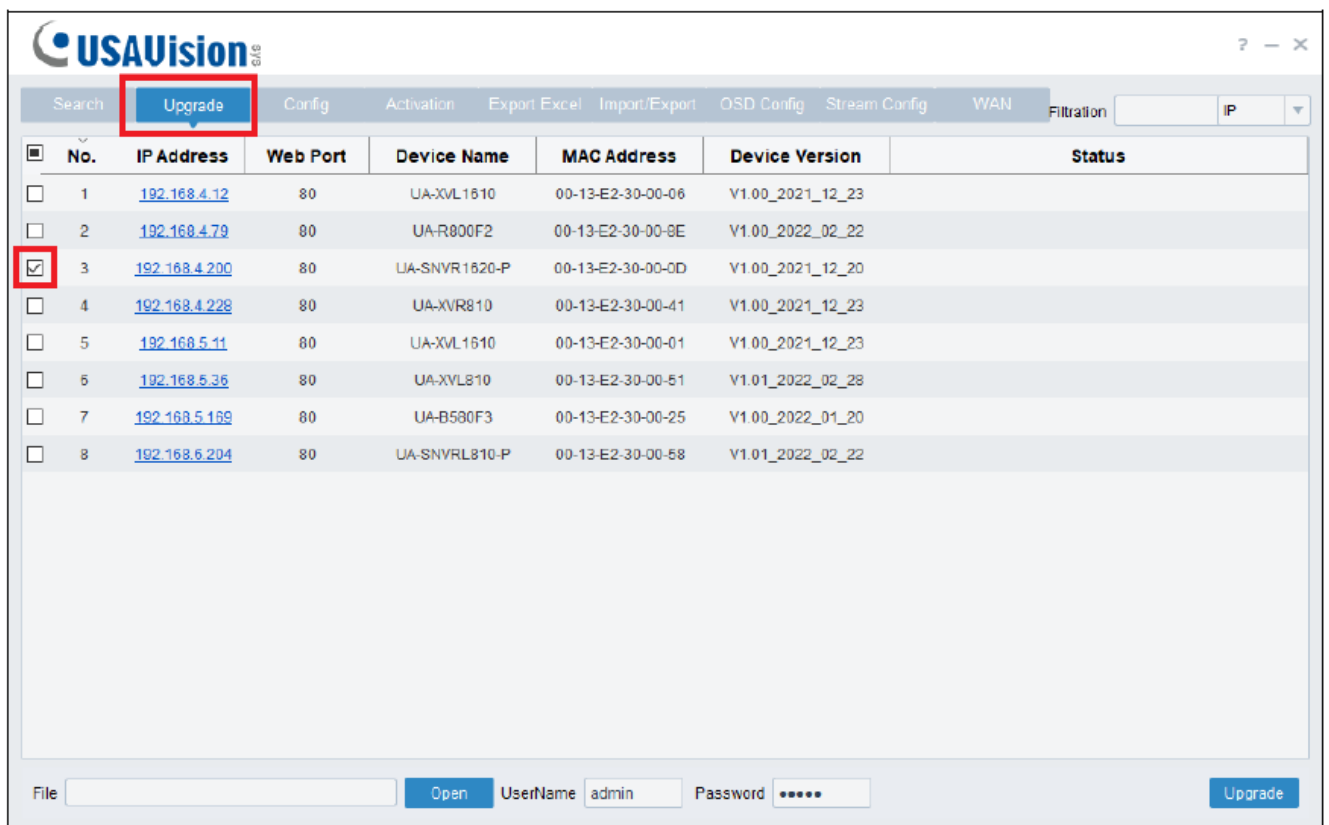


## Upgrading Firmware

You can upgrade the firmware on the device remotely through UVS Device Utility. Follow the instructions below.


### Upgrading Firmware

1. Download and install UVS Device Utility from our website.
2. On the UVS Device Utility window, click Upgrade and select the device you wish to upgrade the firmware on.  
Optionally, select several devices to upgrade the firmware at once.



3. Click Open to locate the firmware file saved at your local computer.
4. Enter the username and password of the device.
5. Click Upgrade to process the upgrade.

## Documents / Resources

 <p>Quick Start Guide UA-SNVR</p>	<p><a href="#">USA Vision UA-SNVR3240-N Linux Based Standalone SNVR and Decoder</a> [pdf] User Guide UA-SNVR3240-N, UA-SNVR1620-P, UA-SNVR1810-P, UA-SNVR3240-N Linux Based Standalone SNVR and Decoder, UA-SNVR3240-N, Linux Based Standalone SNVR and Decoder, Based Standalone SNVR and Decoder, Standalone SNVR and Decoder, Decoder</p>
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## References

- [KMPlayer Official Site | Best Video Player - We Play All](#)
- [Official download of VLC media player, the best Open Source player - VideoLAN](#)
- [User Manual](#)

[Manuals](#), [Privacy Policy](#)

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