

Quick Start Guide

UA-XVL1611 / XVR1620



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

UVSUAAI-QG-B



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



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1. Introduction

Welcome to the UA-XVL1611 / XVR1620 Quick Start Guide. In the following sections, you will learn about the basic installations and configurations. For more details, see *UA-XVL1611 / XVR1620 User's Manual*.

1.1 UA-XVR1620 Packing List

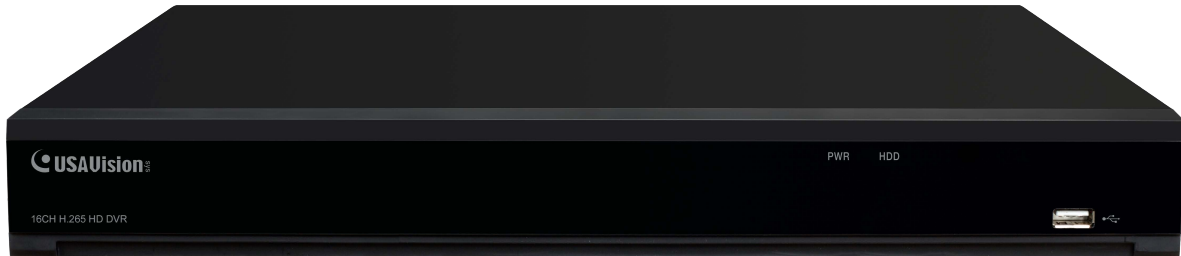
- UA-XVR1620
- 3.5" HDD screw kit x 2
- 2.5" HDD screw kit x 2
- Rack Mount x 2
- Screw for Rack Mount x 2
- Audio Cable
- USB Mouse
- Power Adapter (DC 12V, 5, 60W)
- Power Cord
- Download Guide

1.2 UA-XVL1611 Packing List

- UA-XVL1611
- 3.5" HDD screw kit
- 2.5" HDD screw kit
- USB Mouse
- Power Adapter (DC 12V, 5, 9W)
- Download Guide

1.2 Overview

1.2.1 UA-XVR1620 Front View



Item	Description
Power LED	Show constant green when power is supplied.
HDD LED	Blink red when the HDD is writing or reading data. No LED when no HDD is installed.
USB port	Connect the supplied mouse or USB flash memory.

1.2.2 UA-XVR1620 Rear View



Item	Description
e-SATA	Connect to e-SATA HDD for recording & backup.
Audio Input (1-4)	Connect with audio input signals, RCA port.
Audio Input (5-16)	Connect to the input ports with supplied connector.
CVBS	Connect to your TV or monitor, BNC port.
Audio Output	Audio signal output, RCA port.
Video Input	Connect with video input devices, BNC port.
VGA	Connect to your TV or a monitor with VGA input.
RS-485	Connect to PTZ devices.
Sensor & Alarm	Optional. Connect to external sensor & alarm devices.
HDMI	Connect to your digital TV or monitor with HDMI input.
LAN	Connect to your home network.
USB port	Connect the supplied mouse or USB flash memory.
Power	Connect to the supplied power adaptor.
Reset	Load default settings of the DVR. Note: The Reset button is below the USB port. Poke the Reset button to load default settings.
Power Switch	Turn on / off power supply.

1.2.3 UA-XVL1611 Front View



Item	Description
Power LED	Show constant green when power is supplied.
HDD LED	Blink red when the HDD is writing or reading data. No LED when no HDD is installed.
USB port	Connect the supplied mouse or USB flash memory.

1.2.4 UA-XVL1611 Rear View



Item	Description
Video Input	Connect with video input devices, BNC port.
Audio Input (1-4)	Connect with audio input signals, RCA port.
Audio Output	Audio signal output, RCA port.
VGA	Connect to your TV or a monitor with VGA input.
HDMI	Connect to your digital TV or monitor with HDMI input.
RS-485	Connect to PTZ devices.
Sensor & Alarm	Optional. Connect to external sensor & alarm devices.
Power Switch	Turn on / off power supply.
LAN	Connect to your home network.
USB port	Connect the supplied mouse or USB flash memory.

Reset	Load default settings of the DVR. Note: The Reset button is below the USB port. Poke the Reset button to load default settings.
Power	Connect to the supplied power adaptor.

2. Installation

2.1 HDD Installation

Follow the instructions below to install the HDD in the DVR for video data storage.

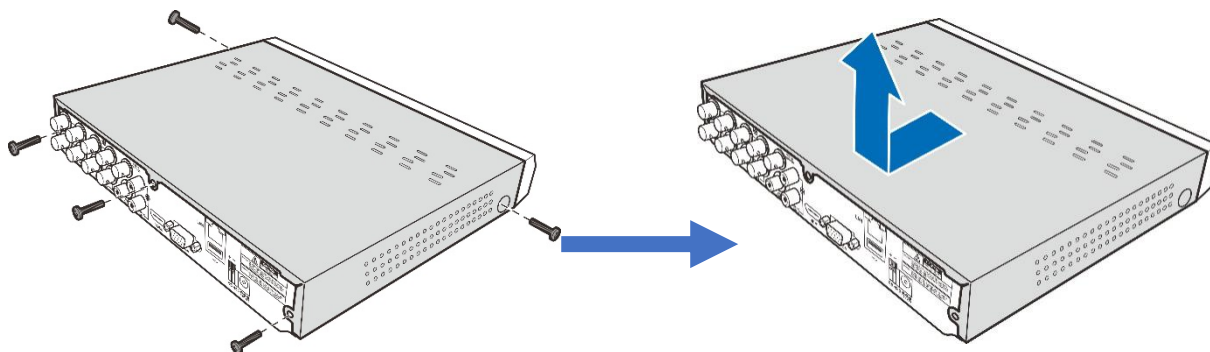
Caution: DO NOT install or remove the hard drive while the power is turned ON.

Note:

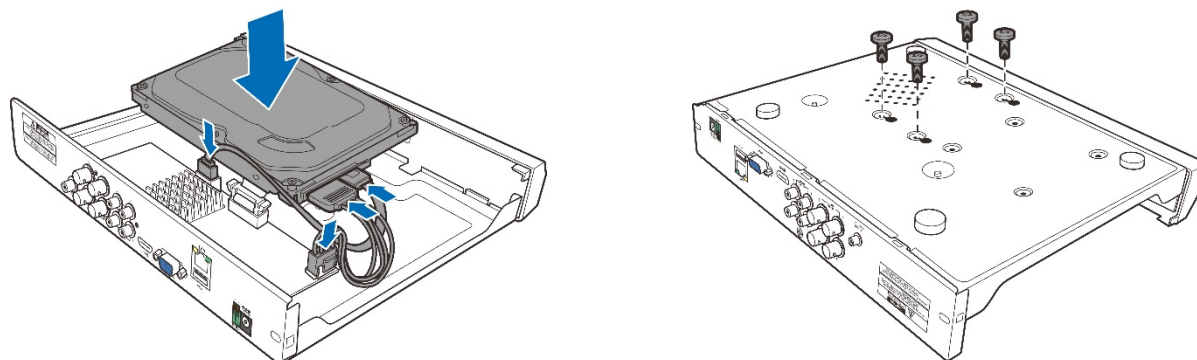
1. The DVR supports 3.5" and 2.5" SATA HDD of up to 10 TB only.
 2. The following procedures are for reference only. The practical operation may be different depending on the model you purchased.
-

HDD Installation:

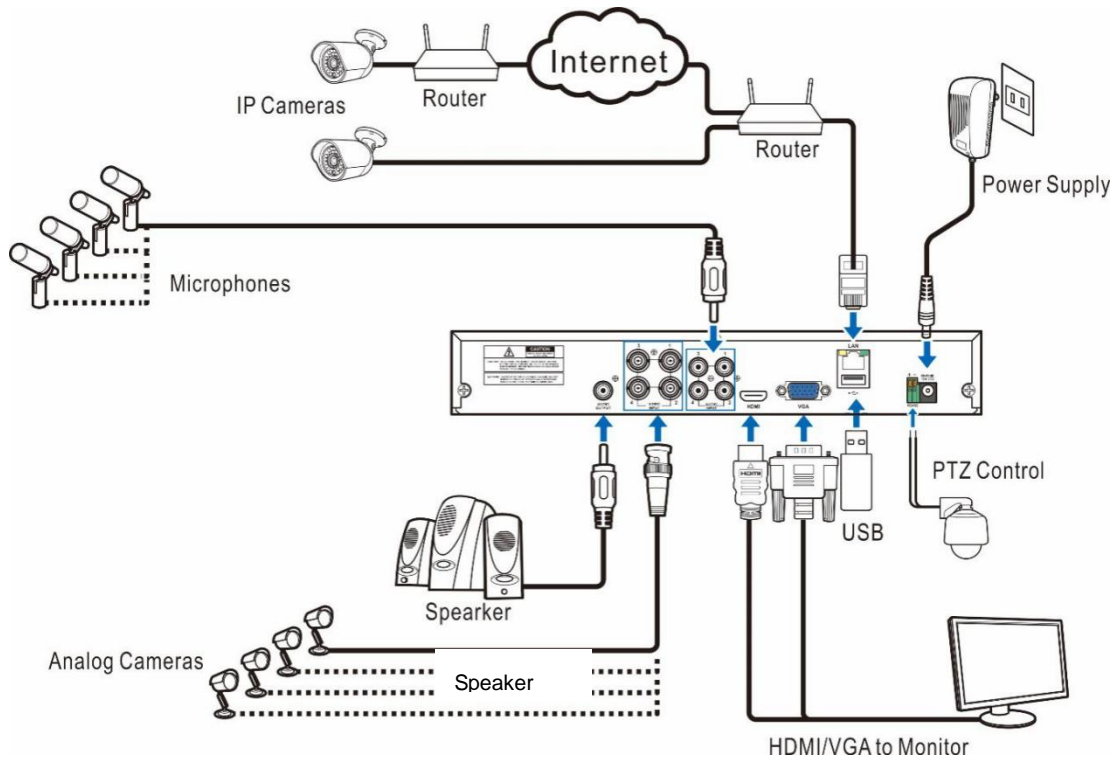
- (1) Cut power firstly. Unscrew both sides and rear panel to open the upper cover.



- (2) Connect the data and power cables to the HDD and place the HDD on the DVR case. Carefully flip the DVR case and secure the HDD to the DVR with screws.



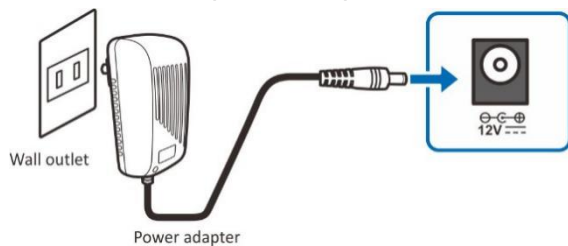
2.2 Connection Diagram



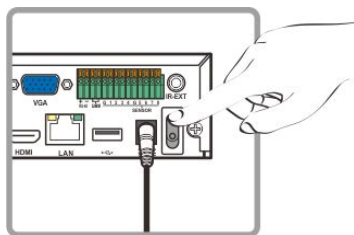
2.3 Power Supply Connection

Caution: Use only the supplied power adapter of the DVR.

Connect one end of the power adapter to the power connector on the back of the DVR. Plug the other end of the power adapter into the wall outlet.



For specific models, press the **Power Switch** to turn on the power.

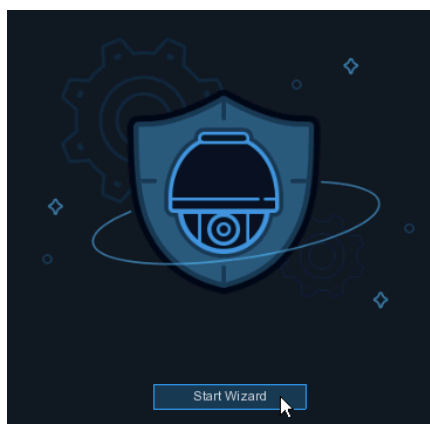


3. Getting Started

3.1 Start Wizard

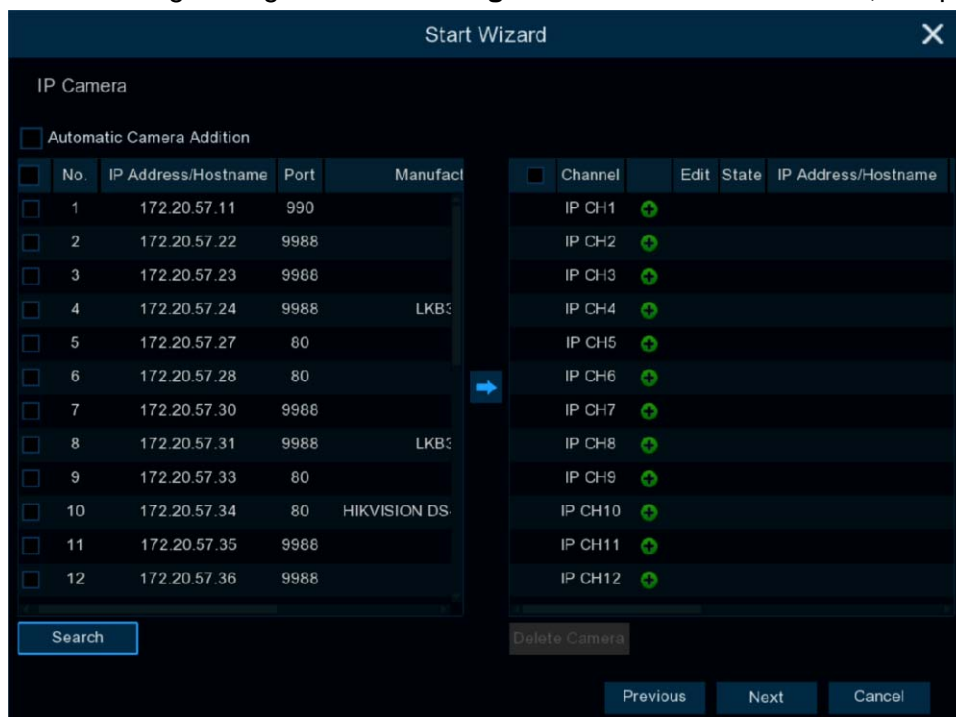
3.1.1 Start Wizard



Click **Start Wizard** to proceed to the next step.



3.1.2 Connecting IP Cameras

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



Click **Search** to search IP cameras in the same network. Choose the IP camera(s) you want to add, and then click  icon to add to the DVR. Or, click  button to manually add individual IP camera to a single channel.

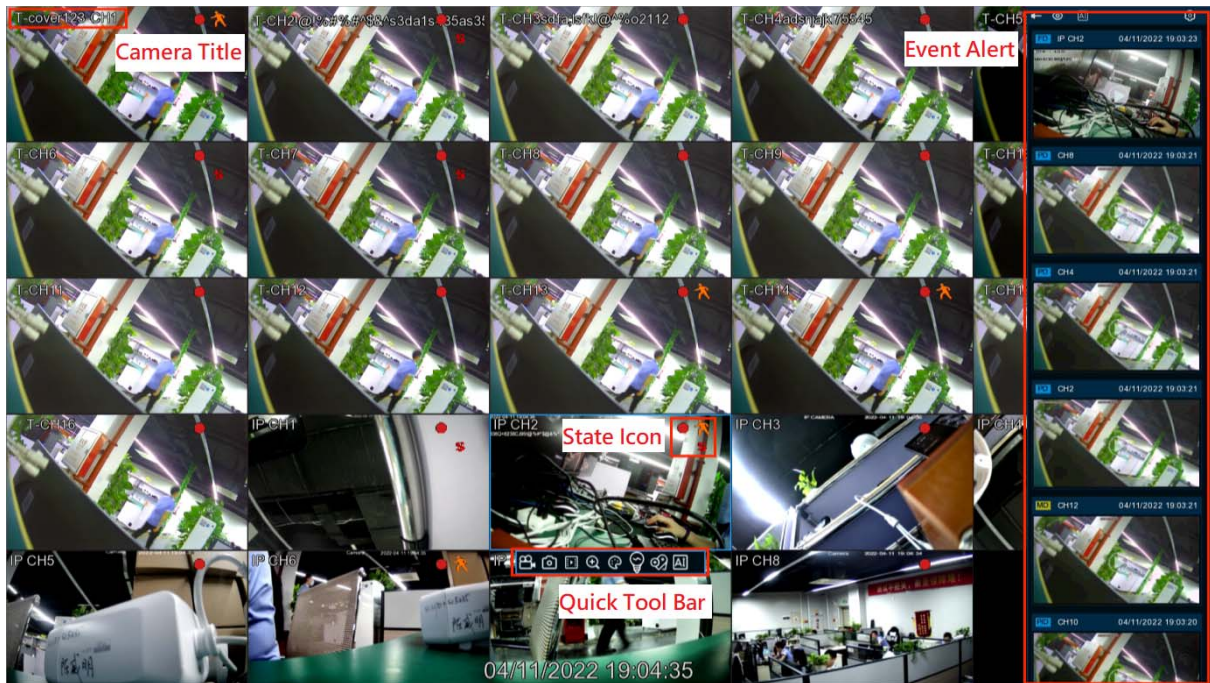
- **IP Address/Domain:** IP address or domain name of the IP camera.
- **Alias:** Name of the IP camera.
- **Port:** Port of the IP camera.
- **Protocol:** Choose the protocol of the IP camera from the dropdown menu.
- **User Name:** User Name of the IP camera.
- **Password:** Password of the IP camera.
- **Camera Mode:** Select the mode of the IP camera from the drop-down menu.
- **Automatic Camera Addition:** Check for the device to automatically add cameras to the channels where cameras are not added.
- **Connect with default password:** This is the case that you add camera with already-assigned password, which password is not same as the current activation password, you can input old activation password here. Or if the activated IPC have same password with NVR's activation password, you can tick "Connect with default password" to avoid input any digits.

Note:

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-HD DVR models.
 2. The default password is 123456 for the following IP camera models: UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20002F / 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.
-

3.2 Live View Overview

3.2.1 Main Window



Camera Title

To display the camera title

A-: This indicates that the camera connected is an AHD camera

T-: This indicates that the camera connected is a TVI camera

C-: This indicates that the camera connected is a CVI camera

IP: This indicates that the camera connected is an IP camera

State Icon

S : Trigger Intelligence Detection

PIR: Trigger PIR Detection

● : This indicates that the DVR 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.

Off-line: The analog camera is disconnected.

No Camera: IP camera is disconnected.

Decoding Failed: The DVR doesn't support this kind of IP camera compression standard, please change to H.264 compression standard.


Resource Not Enough: Insufficient resources, the main code flow does not support all drawings at the same time/MJPEG format can only display one channel.

Band Not Enough: Insufficient bandwidth, the channel cannot be online

Failed to connect to camera: IPC connection failed

User name or password error: IPC username and password are wrong


 Click to open **Quick Add** menu to add IP camera


 Click to edit current IP camera


For more details, see *4.2 Live View Screen Overview* in *UA-XVL1611 / XVR1620 User's Manual*.

3.2.2 Task Menu Bar





 Click to open the **Start Menu**.


 Click to choose different layouts for live view.

 **More Layout:** Click to choose more layouts for live view.


 **Auto SEQ:** Click to start viewing channels in a sequence.


 **Playback:** You can choose to play the latest recording for all channels from the beginning of the day, or you can choose the playback from the latest 5s, 10s, 30s, 1Min, 5Min.

 **Audio:** Click to adjust audio volume.

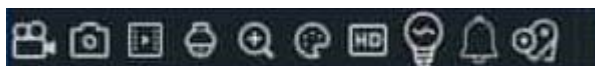
 **Preview Policy:** Click to switch among real-time, balanced, or smooth view. This function only effects the live view video quality by bitrate and frame rate without impacting the recording quality.


 **Manual:** To start or stop **Manual Record** and **Manual Alarm**.


 **System:** To view system information, channel information, record info, and network state.

















 This icon appears if the network is disconnected.

3.2.3 Camera Quick Toolbar





 Click to manually record the channel. If the manual recording is in process, the icon will be in red color. Click one more time to stop manual record.

 Click to save a snapshot of the current camera image. **Manual Capture** must be enabled to use this feature.

-  Click to play the last 5 minutes of recording of this channel.
-  Click to enter PTZ control panel.
-  Click to zoom-in the channel. When the  icon appears, press and hold the left button of your mouse to drag the area you want to zoom in.
-  Click to adjust the image color of the channel. You can adjust the HUE, BRIGHT, CONTRAST & SATURATION of the image.
-  Click to switch main/sub stream
-  Click to enable/disable white light alarm. Note that this menu won't change the white light setting parameter.
-  Click to manually record the channel. If the manual recording is in process, the icon will be in red color. Click one more time to stop manual record.
-  Click to save a snapshot of the current camera image. **Manual Capture** must be enabled to use this feature.
-  Click to play the last 5 minutes of recording of this channel.
-  Click to enter PTZ control panel.
-  Click to zoom-in the channel. When the  icon appears, press and hold the left button of your mouse to drag the area you want to zoom in.
-  Click to adjust the image color of the channel. You can adjust the HUE, BRIGHT, CONTRAST & SATURATION of the image.
-  Click to switch main/sub stream
-  Click to enable/disable white light alarm. Note that this menu won't change the white light setting parameter.

3.3 Recording Playback



3.3.1 Accessing the Playback Window on UA-HD DVR

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 7 Search, Playback & Backup* in the User's Manual.

3.3.2 Exporting and Playing Recordings

Saving Video Clips from Local UA-HD DVR

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-HD DVR

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-HD DVR

1. Install one of the following players:
 - [USA Vision 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.

4. Remote Access via Web Client

Use the **Web Client** to remotely access your DVR 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 DVR are configured properly.

4.1 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	
IE	10/11	
Mozilla Firefox	V52 or later	
Google Chrome	V57 or later	
Mac Safari	V12.1 or later	
Edge	V79 or later	

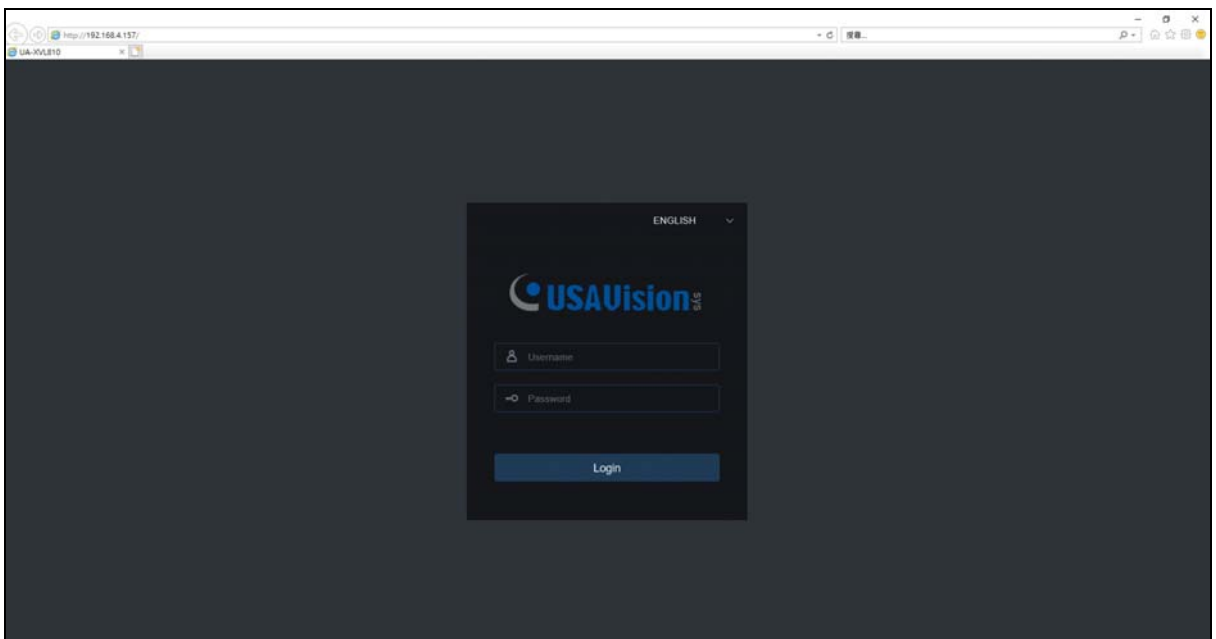
4.2 Looking Up the Dynamic IP Address

By default, when the DVR 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 the **UVS Device Utility** program [here](#).
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	192.168.4.12	80	16	UA-XVL1610	UA-XVL1610	V1.00_2021_12_23	255.255.248.0	192.168.0.1	00-13-E2-30-00-06	DHCP	W9AN833KM96...	
2	192.168.4.21	80	1	UA-R800F2	UA-R800F2	V1.00_2022_02_22	255.255.248.0	192.168.0.1	00-13-E2-30-00-88	DHCP	5WTD4MCM7...	
3	192.168.4.22	80	1	UA-R800F2	UA-R800F2	V1.00_2022_02_22	255.255.248.0	192.168.0.1	00-13-E2-30-00-83	DHCP	:U2WPXRNG2...	
4	192.168.4.200	80	16	UA-SNVR1620-P	UA-SNVR1620-P	V1.00_2021_12_29	255.255.248.0	192.168.0.1	00-13-E2-30-00-0D	DHCP	2CUTZLL1A7R...	
5	192.168.4.228	80	8	UA-XVR810	UA-XVR810	V1.00_2021_12_23	255.255.248.0	192.168.0.1	00-13-E2-30-00-41	DHCP	0A3P7UW5Z5...	
6	192.168.5.11	80	16	UA-XVL1610	UA-XVL1610	V1.00_2021_12_23	255.255.248.0	192.168.0.1	00-13-E2-30-00-01	DHCP	IFEUJUBLG6MY...	
7	192.168.5.154	80	1	UA-R580F2	UA-R580F2	V1.00_2022_01_26	255.255.248.0	192.168.0.1	00-13-E2-30-00-3B	DHCP	ITDL155BZH92...	
8	192.168.5.169	80	1	UA-B580F3	UA-B580F3	V1.00_2022_01_20	255.255.248.0	192.168.0.1	00-13-E2-30-00-25	DHCP	IRZ3P559VTLB...	
9	192.168.6.204	80	8	UA-SNVR1610-P	UA-SNVR1610-P	V1.01_2022_02_22	255.255.248.0	192.168.0.1	00-13-E2-30-00-58	DHCP	NT9M78FF9G...	

4. The login web page appears.



4.3 Web Client Manager Live Interface

Once you log in the Web Client Manager interface, you will see the live view as shown below.



1- Channel: Quick turn on camera channel

Click icon show channels list.

Click icon shut up channels list.

Turn on/off live streaming. While real time streams turn on, the icon is blue.

Manual record, click and start to record manually. Click icon again to stop recording and the records saved to local PC. Manual recording icon shows blue which recording.

Manual capture. Click to save the snapshot to your local PC.

Bitrate icon. Camera set up main/sub/mobile streaming. Mobile stream only be used in IP channels.

2- Realtime setting:

Main stream: High video quality to view on main stream.

Sub stream: Middle video quality to view on main stream.

Mobile stream: The lowest video quality to view on mobile stream. Advantage: Use smaller bandwidth, only support on IP camera.

3- Main menu:

Preview: Check realtime video on camera.

Playback: Check the records in DVRHDD drive.

Remote setting: DVR menu to set up device parameters.

Local setting: Set up Web records and picture save location, select video “file type”.

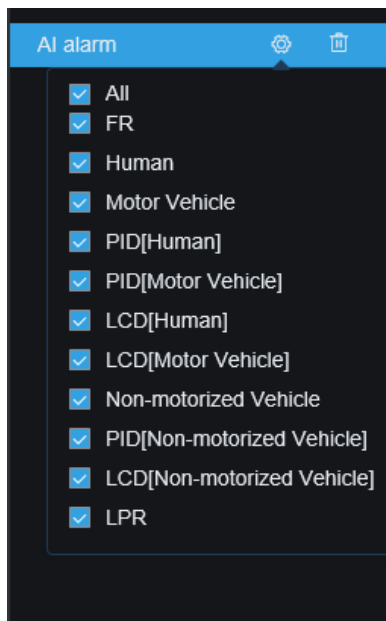
4- Information: Mouse stop, check system user, IE version and plug-in version

5- Exit.

6- Manual Alarm: Manual enable /disable Alarm Out



7- AI alarm: Trigger AI alarm push, click  for AI type detection, and click  to delete.



8- Color setting: Click to hidden the settings.



9- PTZ Control: Click to show/hidden PTZ.

10- PTZ Control Plug-in

The image shows a mobile application interface for PTZ control. The interface is dark-themed with blue accents. At the top, there's a 'PTZ' header. Below it is a circular directional pad with a central 'Default cruise' button. Underneath is a 'Speed' slider. A central control area contains icons for Zoom+, Zoom-, IRIS, and Focus. Below that is a row of five icons for 3D PTZ, auto focus, reset PTZ, watch point mode, and manual human tracking. The 'Mode' dropdown is set to 'Preset Cruise'. A play button is used to start/stop the PTZ cruise. At the bottom is a table of preset points.

PTZ

Direction arrow: long-pressing the surrounding direction keys can control the level of PTZ levels, vertical, etc. move PTZ

Default cruise

PTZ

Speed

PTZ speed: Adjustment horizontal bar is divided into 1--100

Zoom+/Zoom -: Click -/+ to control lens enlarge and narrow

IRIS: Click this button to adjust IRIS enlarge or narrow

Focus: Click -/+ adjustment the lens focus

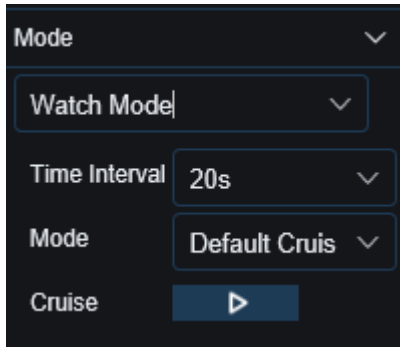
The first icon is 3D PTZ, the second is auto focus, the third is reset PTZ, the fourth is watch point mode, the fifth is manual human tracking. Please view in [5.1.4.1 PTZ Control](#).

PTZ Mode: PTZ, PRESET, Line Scan, Watch Mode, Tour, Pattern Scan Please view in [5.1.4.1 PTZ Control](#).

Cruise: Start/stop PTZ cruise

Preset: Modify preset point name, move to, add, delete

1	point 1	3	→	⚙️	✕
2	point 2	3	→	⚙️	✕
3	point 3	3	→	⚙️	✕
4	预置位0	3	→	⚙️	✕
5	预置位0	3	→	⚙️	✕
6	预置位0	3	→	⚙️	✕
7	预置位0	3	→	⚙️	✕
8	预置位0	3	→	⚙️	✕
9	point 9		→	⚙️	✕

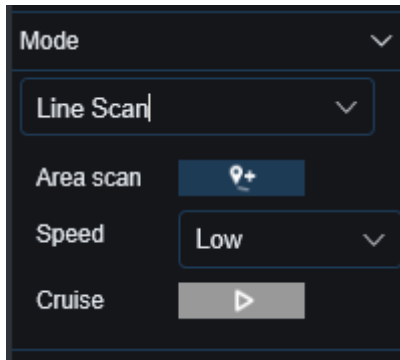


Watch Mode:

Time Interval: watch mode waiting time interval, the time since stop watch mode operation.

Mode: select watch mode, default/preset/line scan/tour/pattern scan

Click to start cruise.



Line Scan:

Area scan: Click to record the start position, after moving PTZ, click to record the stop position;

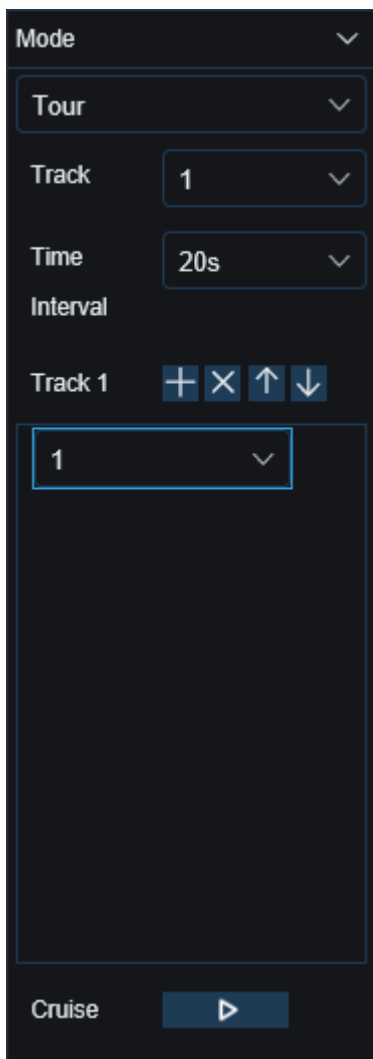
Speed: Line scan speed;

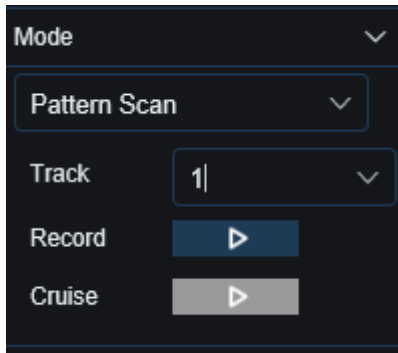
Click to start line scan, PTZ start line scan. PTZ only move in the same horizontal direction on this mode.

Tour:



Time Interval: every point stay time.


Click to add preset point. Click to delete preset point. Click / move up/move down preset points. Click to start cruise.





Pattern Scan:


Record: Click  to record the cruise route. Click  to stop record.


Cruise: Click  to cruise the recorded route


11- Live View Control Buttons:




 switch windows modes


 Open all of channels


 Close all of channels


 Original: Display preview with original scale

 Stretch: Stretch the live window to suitable every scale screen


 full screen


 Manual record: Click the manual recording of all the display channels. Click again to stop recording. Manual video is saved to your PC


 Manual capture: Click to grab the screen of all the current display channels to save to your computer


 Digital: Click live image. Click -one part of image zone to enlarge. Right-click to return normal view.

 Volume control: adjust level volume +/-  Mute mode

 Intercom: Click to speak with DVR, re-click to turn off. (Note: this function need DVR supports)

 White light, manual control siren and white light (Need IPC supports).

 Siren, manual control siren to alarm (Need IPC supports).

 Click to add customize tag.

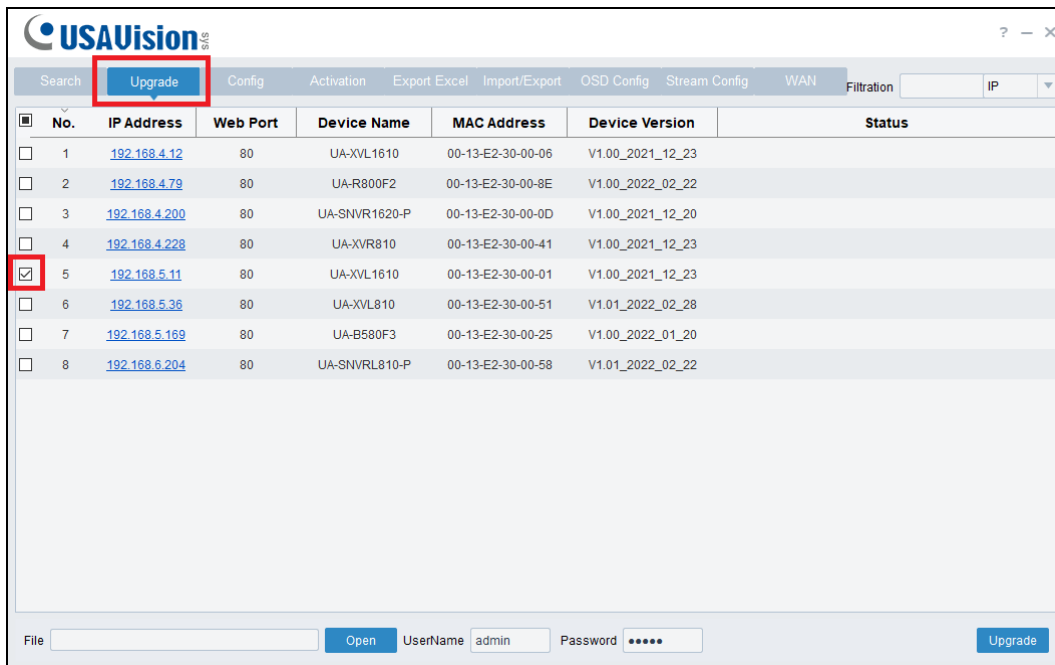
12- Guide: Display the current channel number. Use direction keys to control.

13- Page: Click channels to show on the screen.

5. Upgrading Firmware

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

1. Download and install the **UVS Device Utility** program [here](#).
2. On the UVS Device Utility window, click **Upgrade** and check the box of the device you wish to upgrade the firmware on. Optionally, check the corresponding boxes to upgrade the firmware on several devices at a time.



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