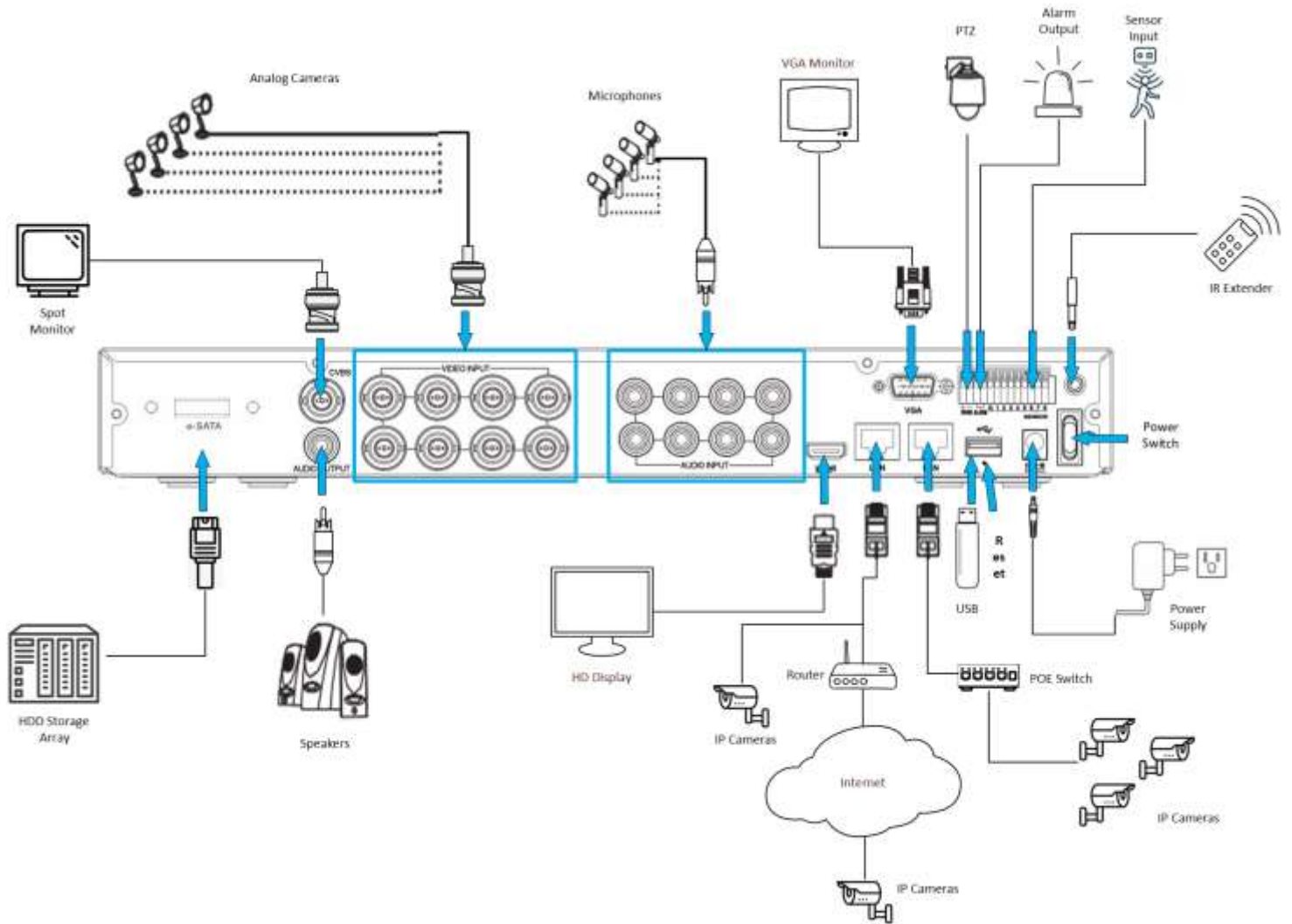




Quick Installation Guide

XVRTM

CONNECTION DIAGRAM

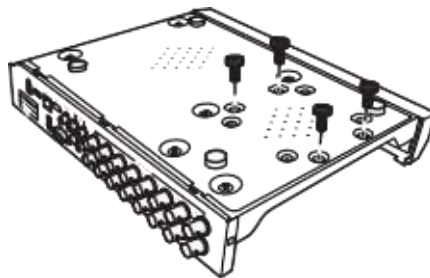
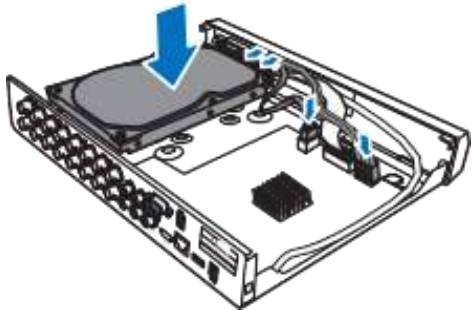


HDD INSTALLATION

Caution: DO NOT install or remove the hard drive while the device is powered ON.

1. Remove the case cover screws and carefully remove the case cover (edges are sharp)
2. Connect the available SATA data and power cables to the HDD
3. Carefully flip the case and secure the HDD(s) to the case with HDD screws
4. Mount up to 2 hard disks as shown below
5. Reassemble and power on the XVR
6. If HDDs are installed for the first time, they must be formatted. Refer to section 4.1.5 of the full user manual

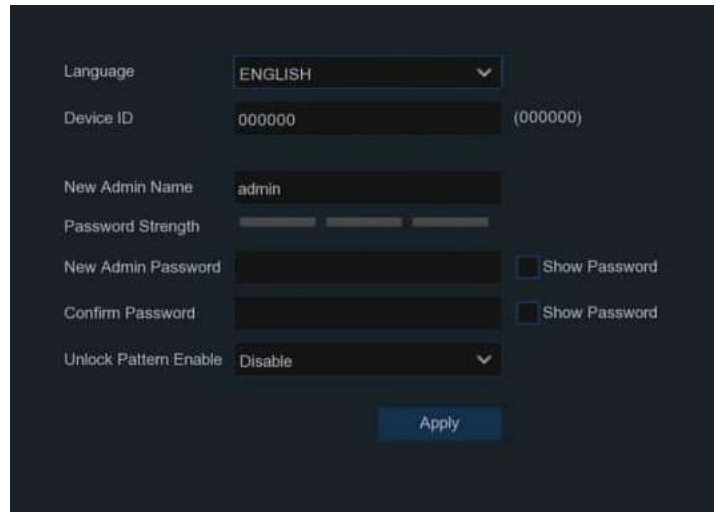
*Current firmware versions support up to 10 TB per HDD



STARTUP WIZARD

1. SET PASSWORD

The first time you power on the XVR, you will be required to set your ADMIN user password. Please be sure to record and save this information.

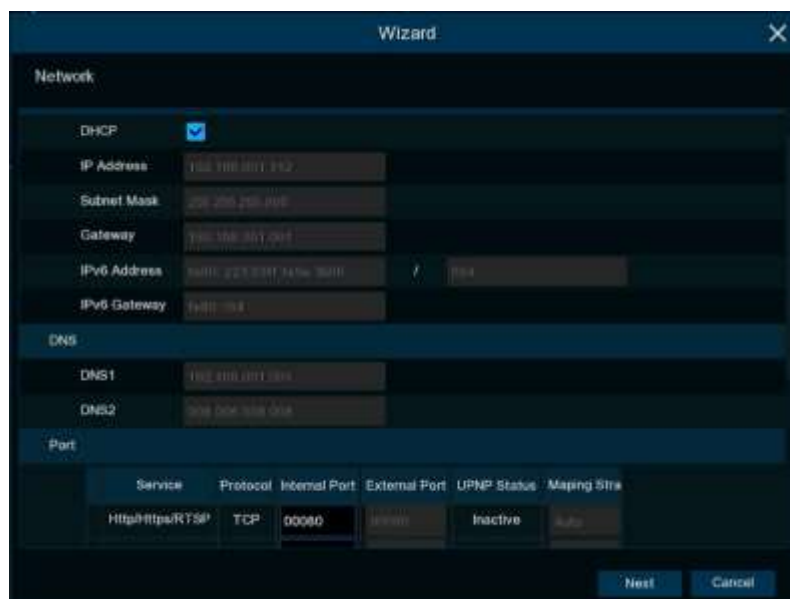


The screenshot shows a configuration window with the following fields and options:

- Language: ENGLISH (dropdown)
- Device ID: 000000 (000000)
- New Admin Name: admin
- Password Strength: [Progress bar]
- New Admin Password: [Redacted] [Show Password]
- Confirm Password: [Redacted] [Show Password]
- Unlock Pattern Enable: Disable (dropdown)
- Apply button

2. NETWORK CONFIGURATION

The first step in the Wizard Setup is Network Configuration. The unit defaults to automatically obtaining all network information via DHCP from your router or DHCP server. If you wish to override these values and use static IPs, uncheck the DHCP box and modify the fields as necessary. Take note of the IP address assigned, as you will use this IP to connect remotely from a PC on the local network.



The screenshot shows the 'Network' configuration screen with the following settings:

- DHCP:
- IP Address: 192.168.0.112
- Subnet Mask: 255.255.255.0
- Gateway: 192.168.0.1
- IPv6 Address: 2001:23:2001:2001::1
- IPv6 Gateway: 2001:23:2001:2001::1
- DNS1: 192.168.0.1
- DNS2: 192.168.0.1
- Port table:

Service	Protocol	Internal Port	External Port	UPNP Status	Mapping Str
Http/Https/RTSP	TCP	8080	8080	Inactive	Auto

Buttons: Next, Cancel

Port configuration can usually stay at the default settings. You can edit these values to fit your network requirements.

	Service	Protocol	Internal Port	External Port	UPNP Status	Mapping Strategy	UPNP
1	Http/Https/RTSP	TCP	00080	00080	Inactive	Auto	<input type="checkbox"/>
2	Client	TCP	09000	09000	Inactive	Auto	<input type="checkbox"/>

Http/Https/RTSP:	Defaults to TCP port 80. This port is used to remotely access the XVR using a web browser.
Client:	Defaults to TCP port 9000. This port is used to remotely access the XVR using the mobile app.
UPNP:	If your router has UPNP enabled, you can check the box to have the XVR automatically configure Port Forwarding on your router, without you having to configure the router manually. Port Forwarding is required for remote access when using a web browser on a device that resides outside the network on which the XVR is directly connected.

PPPoE

Enable PPPOE

User

Password

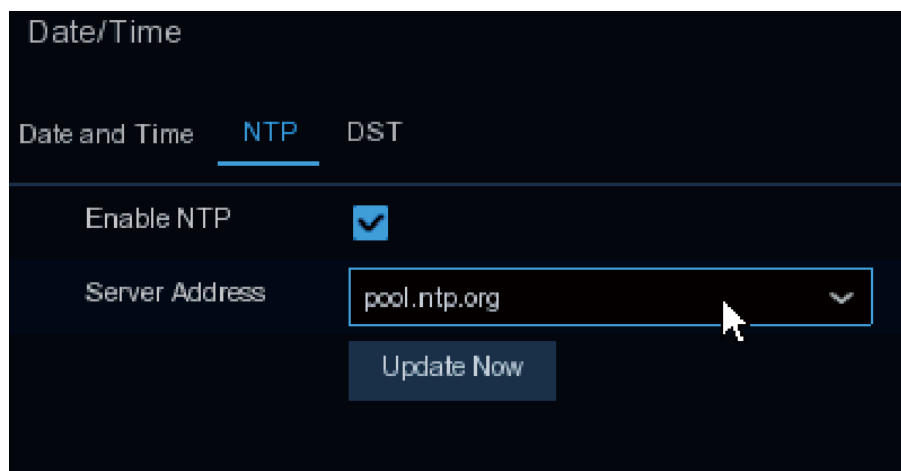
Enable PPPOE:	Enable this option if the XVR is directly connected to a DSL modem. Do NOT enable this option if you are connected to a router or DSL modem w/router combination.
User:	Enter your DSL username provided by your Internet Service Provider
Password:	Enter your DSL password provided by your Internet Service Provider

3. DATE AND TIME

This menu allows you configure the Date and Time, along with their formats. Also, the Time Zone can be set.



NTP (Network Time Protocol) can be enabled by clicking on the NTP tab. This feature automatically configures the XVR's date and time using Internet time servers. Simply check the box and choose from a list of pre-defined time servers or configure your own time server of choice. An Internet connection is required.



DATE AND TIME (CONTINUED)

Daylight Savings Time (DST) can be enabled by clicking on the DST Tab. Simply check the option for 'Enable DST' and set the 'DST Mode' to 'Week' to automatically adjust the time for DST in the US.

The screenshot shows a configuration window titled "Date and Time" with three tabs: "Date and Time", "NTP", and "DST". The "DST" tab is selected. The interface includes the following settings:

- Enable DST:** A checked checkbox.
- Time Offset:** A dropdown menu set to "1 Hour".
- DST Mode:** A dropdown menu set to "Week".
- Start Time:** A row of four dropdown menus: "Mar.", "The 2nd", "Sun.", and "02:00:00".
- End Time:** A row of four dropdown menus: "Nov.", "The 1st", "Sun.", and "02:00:00".

4. IP CAMERAS


This menu allows you to search and/or manually add IP cameras to the XVR.

The screenshot shows a "Wizard" window titled "IP Camera" with a close button (X) in the top right corner. The window is divided into two main sections:

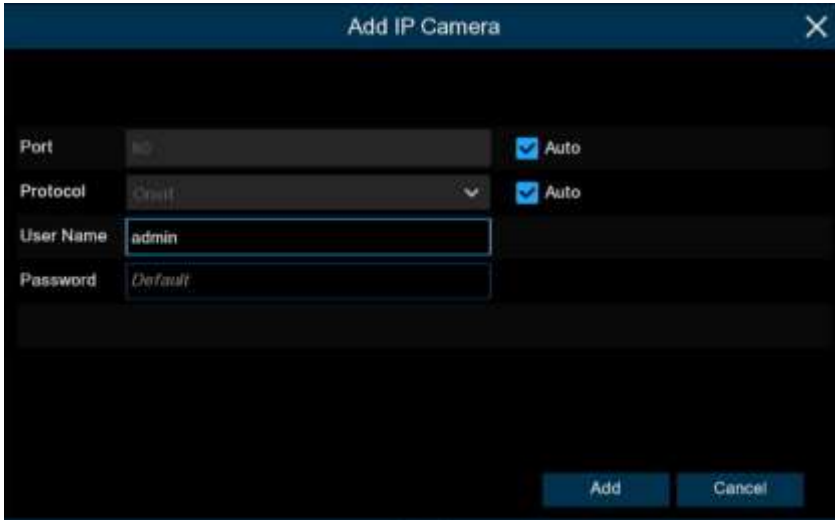
- Left Section (IP Camera Table):** A table with columns: "No.", "IP Address/Hostname", "Port", and "TC-C3". It contains two rows:

No.	IP Address/Hostname	Port	TC-C3
1	172.16.0.120	80	TC-C3
2	192.168.1.170	443	
- Right Section (Channel List):** A list of channels from "IP CH1" to "IP CH12". Each channel has a green up/down arrow icon next to it, indicating it is active or selected.

At the bottom of the window, there are three buttons: "Search", "Channel Details", "Previous", "Next", and "Cancel".


Click the Search button to discover any IP cameras on the local network. Then, select the IP cameras you wish to add and click the  icon.

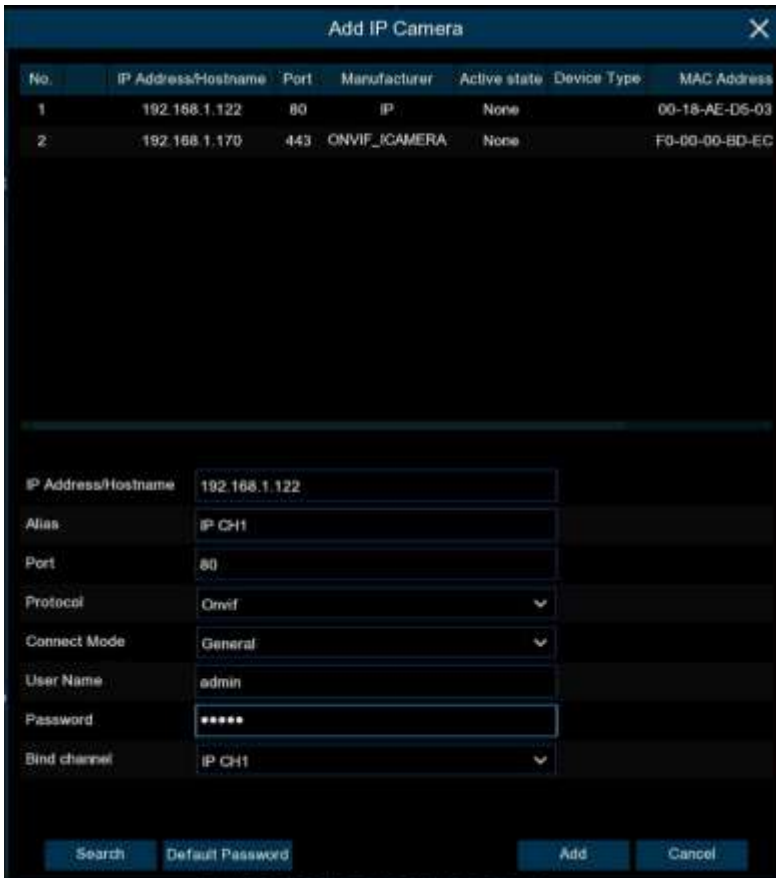
You will then be prompted to input the username and password for the IP cameras. If the cameras have different username/passwords configured, you will have to add the cameras one-by-one (see next section).



Note

Cameras of the same product series as the NVR do not need any credentials set. The NVR will automatically authenticate using the default credentials of the IP cameras (admin/admin). The NVR will also reset the username/password of these cameras to admin/admin123. (the period is part of the password)

By clicking the  icon, you can manually add cameras one-by-one and enter the respective camera's username and password.

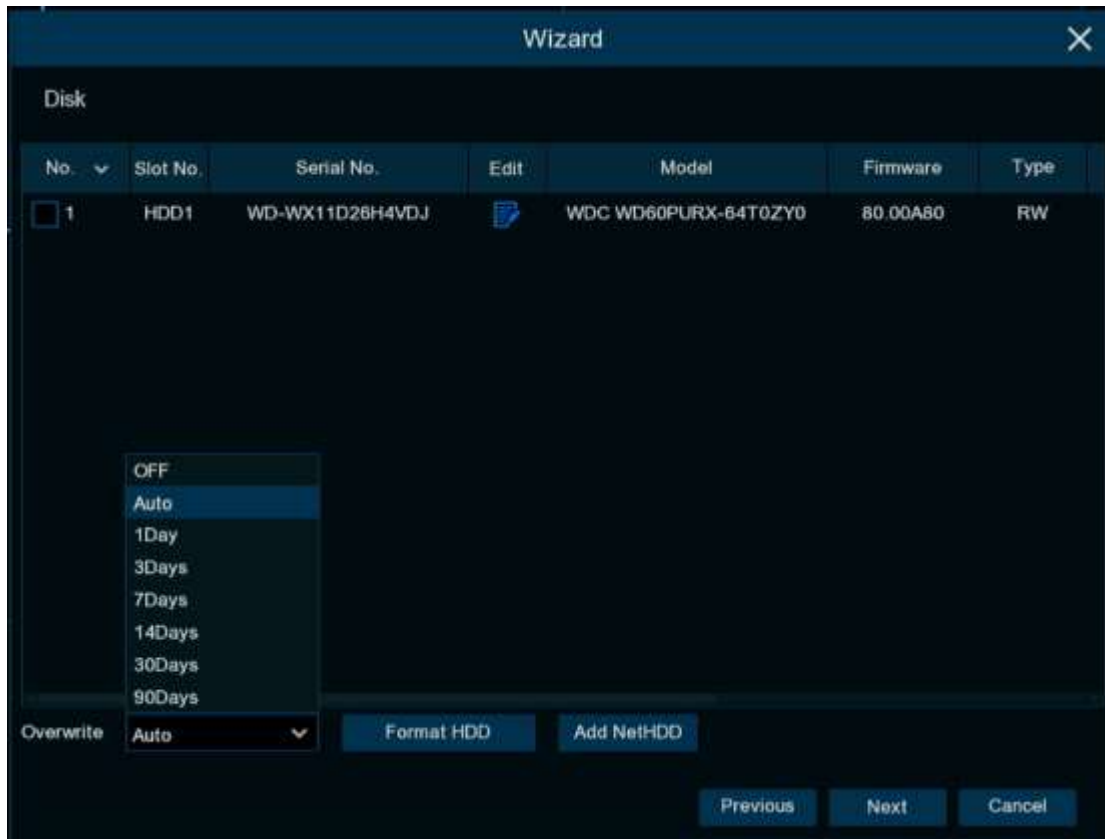


No.	IP Address/Hostname	Port	Manufacturer	Active state	Device Type	MAC Address
1	192.168.1.122	80	IP	None		00-18-AE-D5-03
2	192.168.1.170	443	ONVIF_ICAMERA	None		F0-00-00-BD-EC

5. DISK

This menu allows you to format the HDD. If you install a new HDD, it must be formatted first.

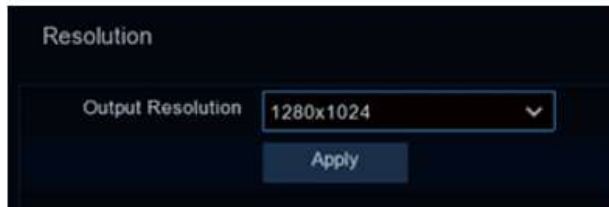
*Units shipped with HDD(s) installed are already formatted and ready to go



<p>Overwrite:</p>	<p>Set the overwrite mode of the XVR. Days - You can select the number of days you wish to retain and the XVR will keep no more than that amount. Auto - Continue recording until the hard drive is full, then start overwriting the oldest data. OFF – Continue recording until the hard drive is full, then stop recording, preserving all past data.</p>
<p>Format HDD:</p>	<p>Formats the selected HDD(s). All camera video will be lost.</p>
<p>Add NetHDD:</p>	<p>Allows you to add a Network-Attached Storage (NAS) device over NFS, CIFS/SMB protocols.</p>

6. RESOLUTION

On startup, the XVR will adjust the monitor output resolution automatically. If you wish to override this setting you can choose an output resolution.



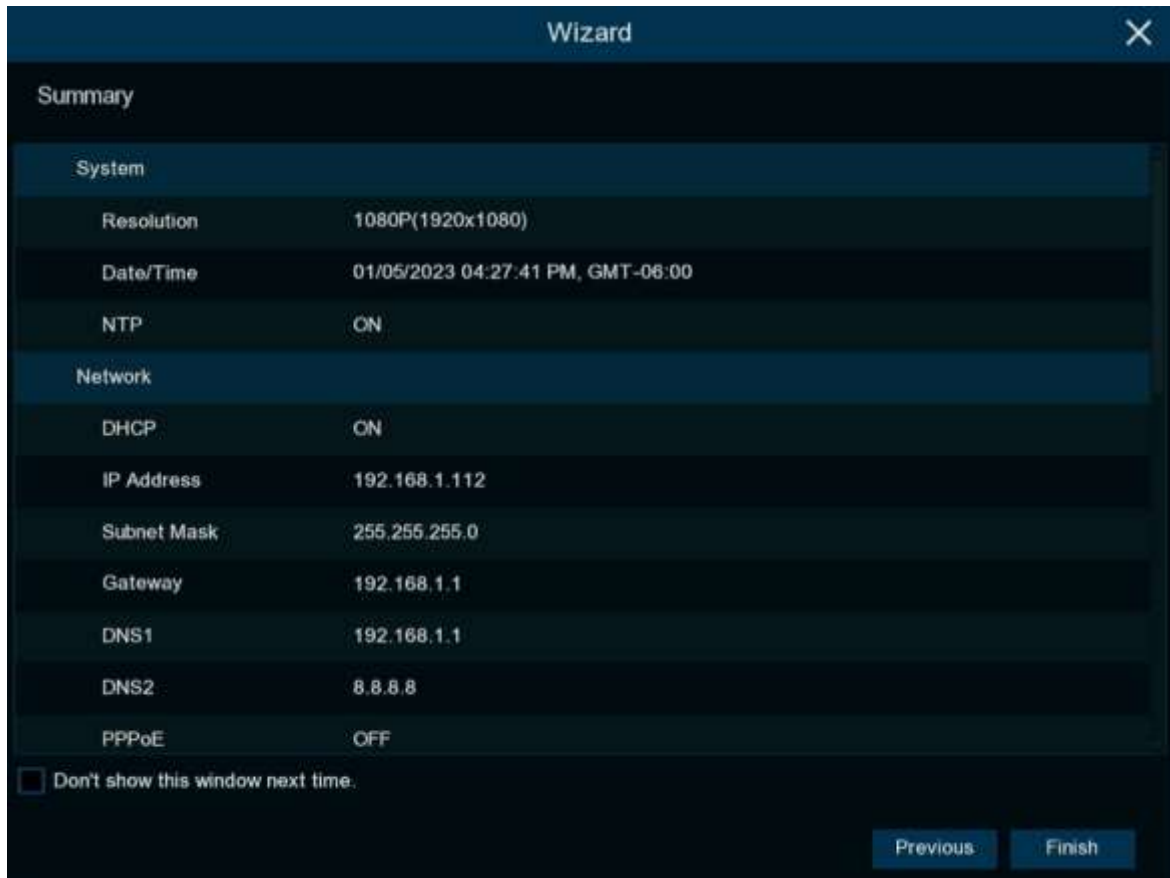
7. MOBILE APP

The setup wizard screen shown below displays the P2P information for the XVR. You must first download the mobile app to your phone. When adding a device in the app, you can scan the XVR's QR code found on this screen to apply the P2P ID of the XVR to the mobile app. You can also find this information in Setup > System > Information. For information on installing the mobile app see the Remote Access section of this guide.



8. SUMMARY

This page shows the summary of all the configurations selected during the wizard. Click Finish to accept these settings. You can also check the box “Don’t show this window next time” to disable the wizard from running again on startup.



The screenshot shows a window titled "Wizard" with a close button (X) in the top right corner. The window displays a "Summary" section with two main categories: "System" and "Network".

System	
Resolution	1080P(1920x1080)
Date/Time	01/05/2023 04:27:41 PM, GMT-06:00
NTP	ON

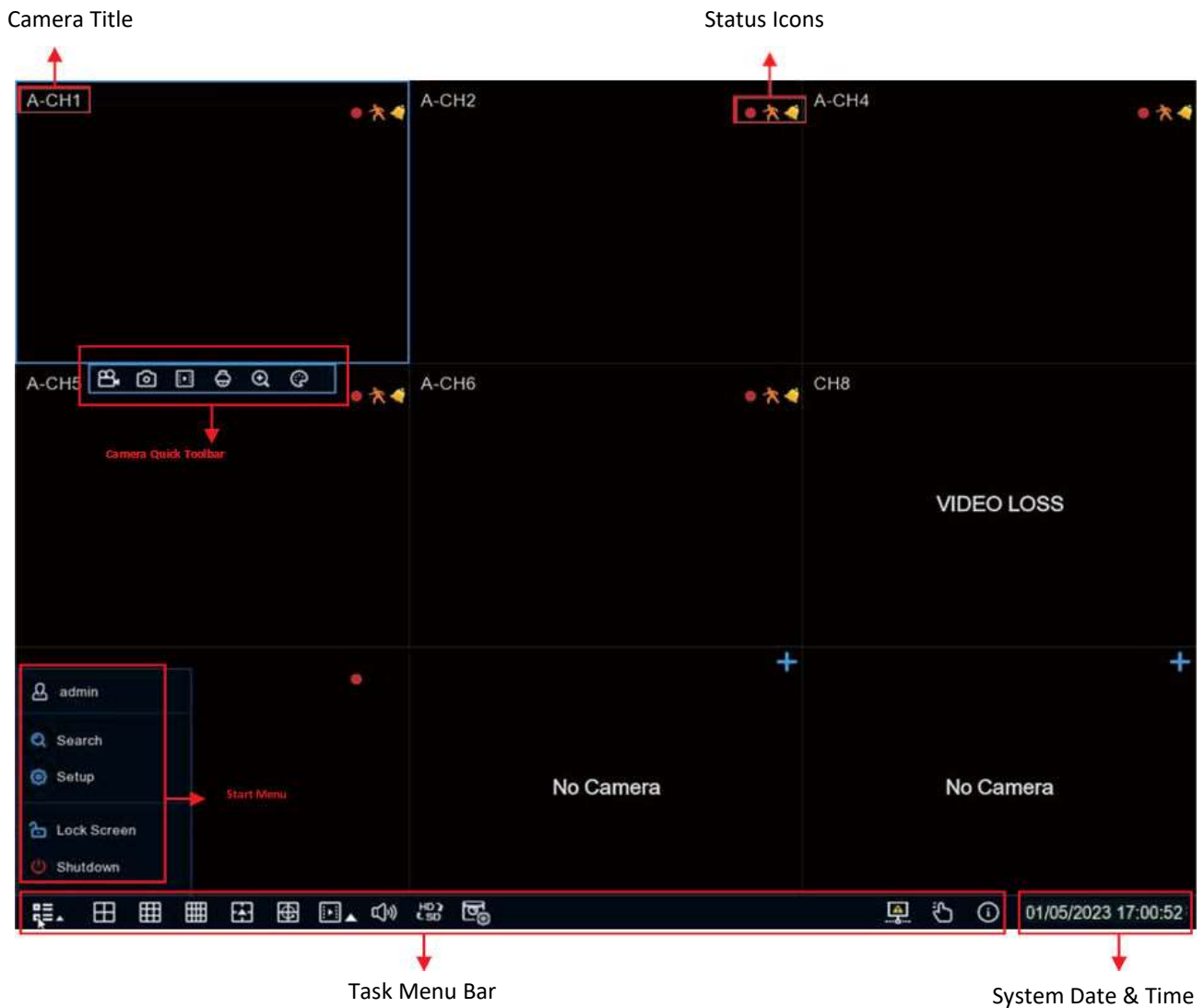
Network	
DHCP	ON
IP Address	192.168.1.112
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
DNS1	192.168.1.1
DNS2	8.8.8.8
PPPoE	OFF

At the bottom of the window, there is a checkbox labeled "Don't show this window next time." which is currently unchecked. To the right of the checkbox are two buttons: "Previous" and "Finish".








SCREEN OVERVIEW

1. LIVE VIEW

Below is the live view layout. Status Icons and Camera Title information can be found in the following section.



2. STATUS ICONS

	This icon indicates the XVR is recording
	This icon appears when motion has been detected
	This icon indicates that the external I/O alarm has been triggered
	This icon indicates that the HDD is in an error state
	This icon indicates the HDD is unformatted
	This icon indicates the HDD is full
	This icon indicates the HDD is in read-only mode

3. CAMERA TITLE

A-	This indicates that the camera connected is an AHD analog camera
T-	This indicates that the camera connected is a TVI analog camera
C-	This indicates that the camera connected is a CVI analog camera
IP	This indicates that the camera connected is an IP camera

VIDEO LOSS	The indicates an analog camera is disconnected
No Camera	This indicates an IP camera is disconnected
Decoding Failed	This indicates an incompatible IP camera compression standard, please change the IP camera to H.264/H.265

REMOTE ACCESS

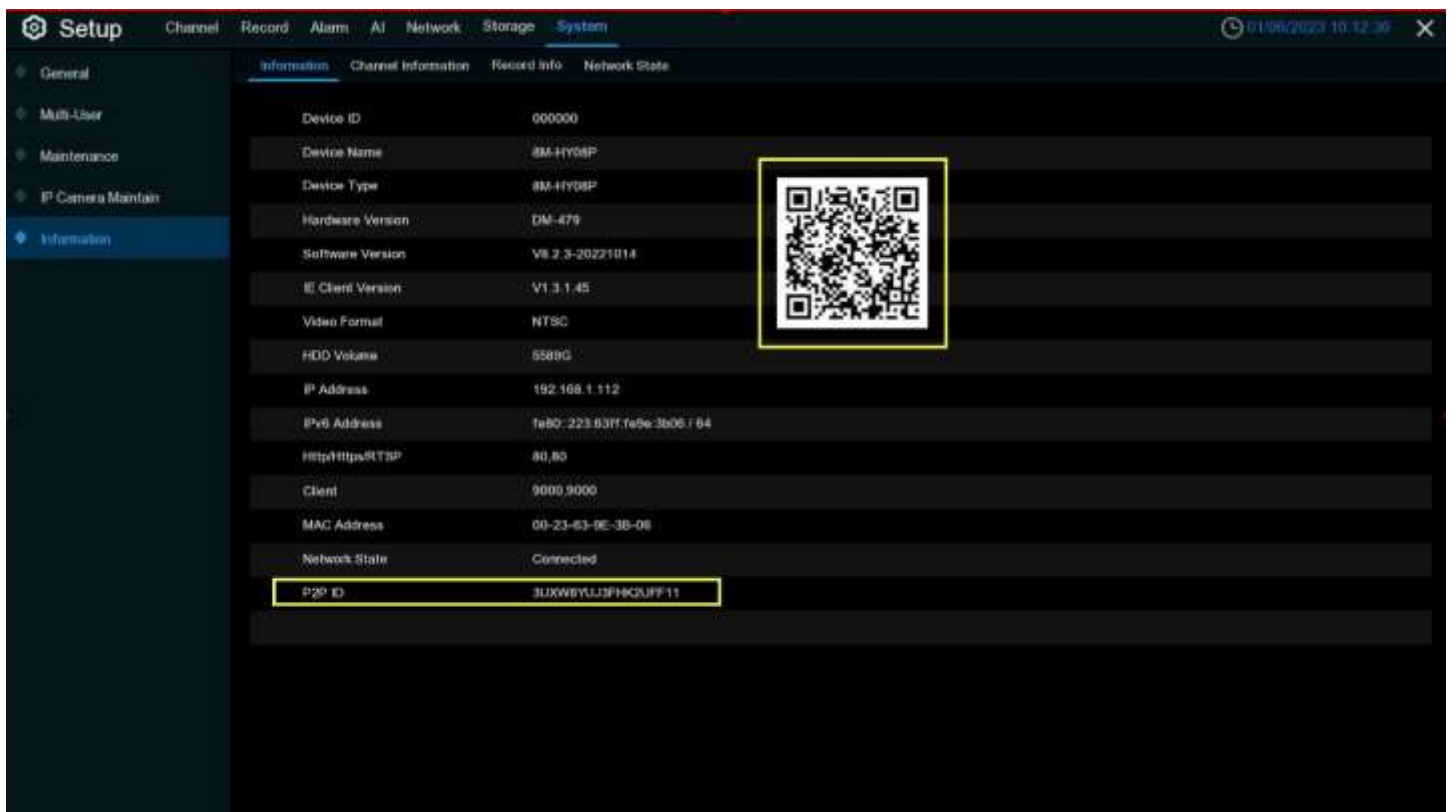
1. VMS CLIENT SOFTWARE

Remote access via a PC with the VMS client software installed is preferred. The VMS software supports P2P, requiring no router configuration, and is also more feature-rich than the other methods listed below. Obtain a copy of the free software below.

Windows Client: <https://www.dropbox.com/s/hsx16q3a7y784l4/VMS-WIN-P2P-2-8-25.zip?dl=0>

Mac Client: <https://www.dropbox.com/s/blheifh8ea9heae/VMS-MAC-P2P-2-6-95.zip?dl=0>

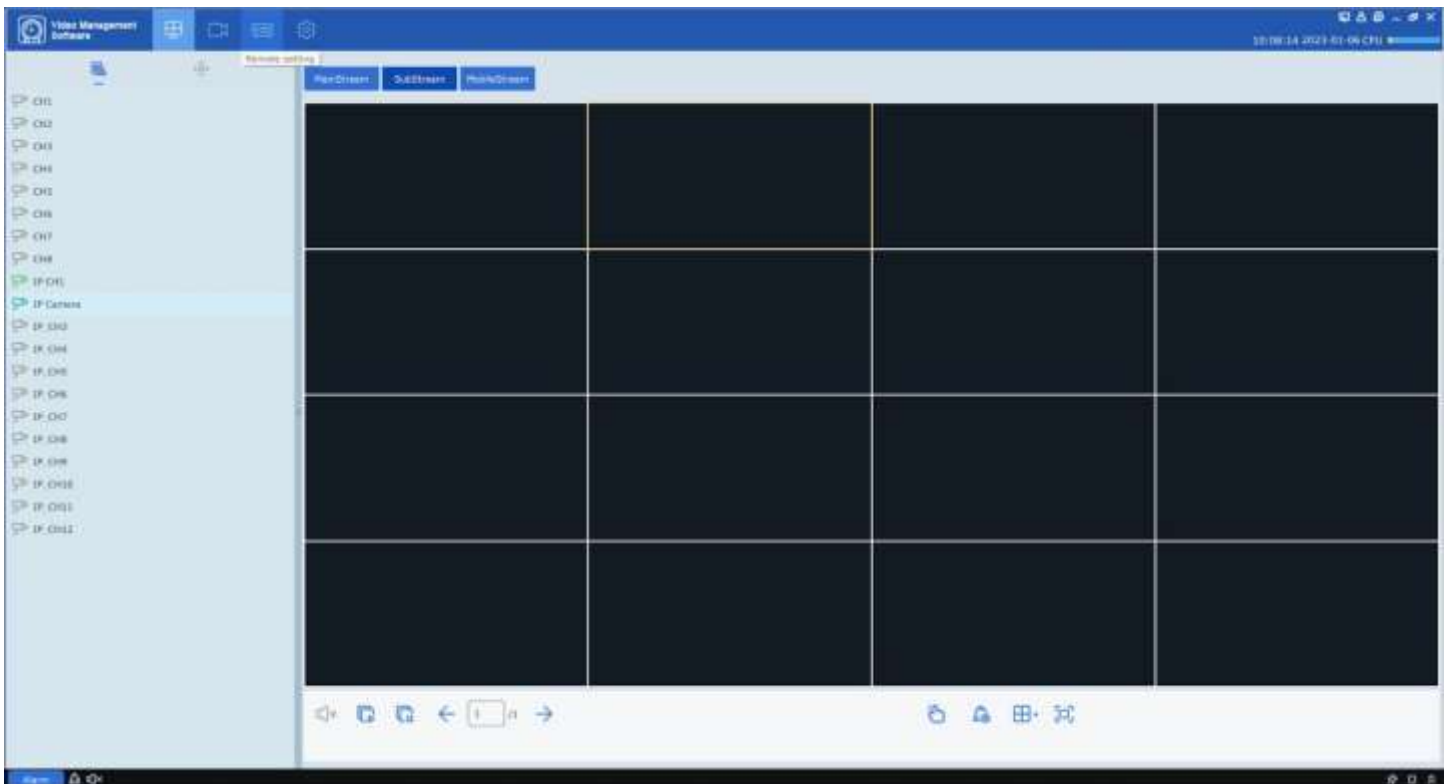
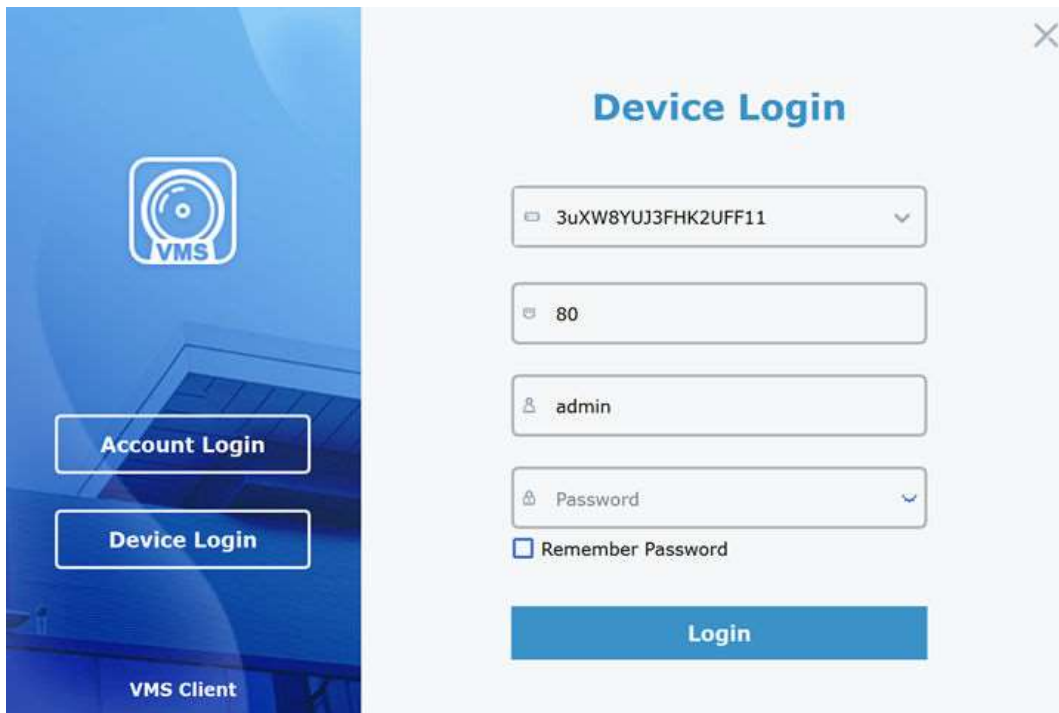
For P2P access, you will need the P2P ID of the XVR. The P2P ID can be found under Setup > System > Information or by scanning the QR code on that screen. In addition, the P2P ID can be found by scanning the QR code on the top case of the XVR itself.



The screenshot displays the 'Setup' interface for a VMS system. The 'System' tab is selected, and the 'Information' sub-tab is active. A table lists various system parameters, with a QR code and the P2P ID highlighted by yellow boxes.

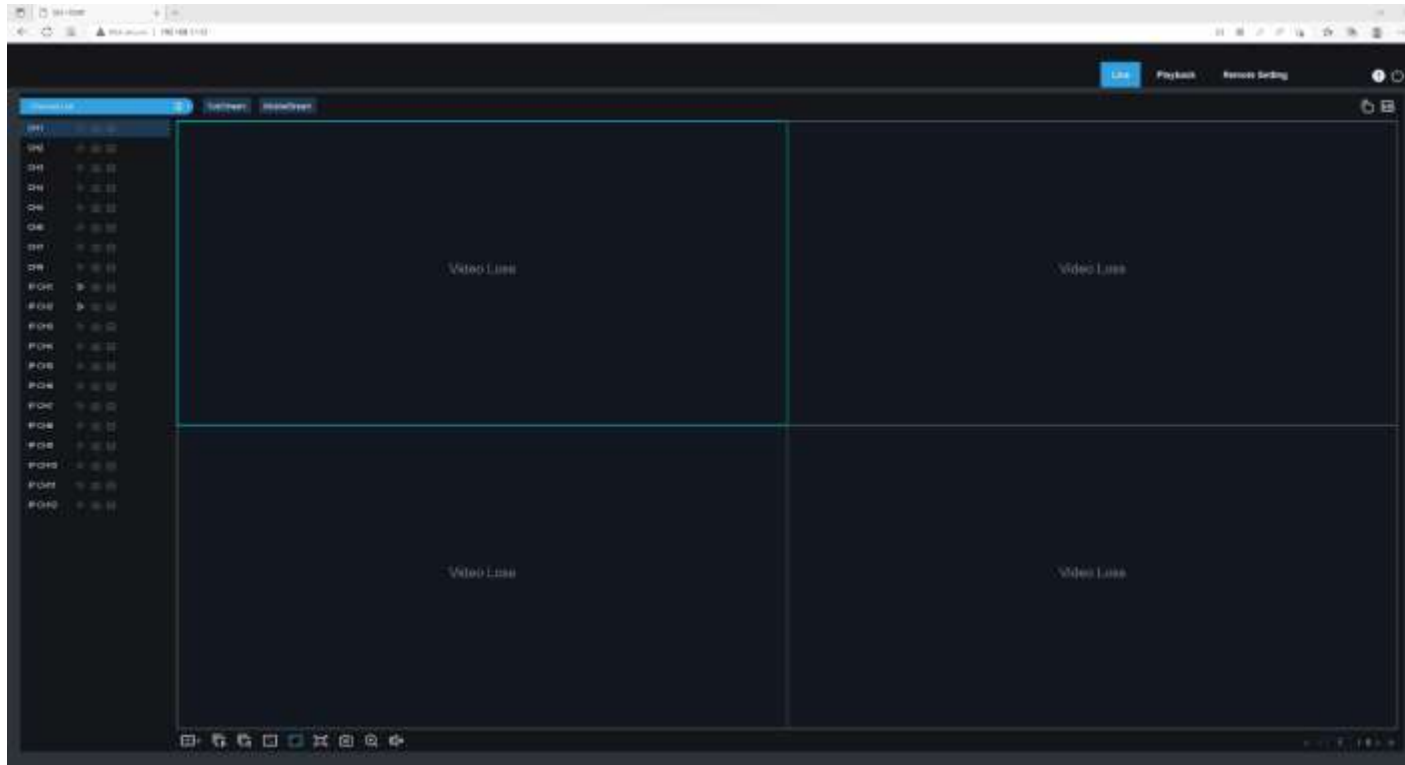
Parameter	Value
Device ID	000000
Device Name	8M-HY08P
Device Type	8M-HY08P
Hardware Version	DM-479
Software Version	V8.2.3-20221014
IE Client Version	V1.3.1.45
Video Format	NTSC
HDD Volume	5589G
IP Address	192.168.1.112
IPv6 Address	fe80::223:83ff:fe5e:3b06:164
Http/Https/RTSP	80_80
Client	90059000
MAC Address	00-23-63-DE-38-08
Network State	Connected
P2P ID	3UXWBYUJ3FHGXJFF11

Open the client software, configure a password, and set the password recovery security questions. Click Device Login as seen below. Enter the XVR's P2P ID, input 80 for the HTTP Port, and enter the XVR's admin username and password created during setup.



2. WEB CLIENT

Remote access via a PC with a modern web browser is possible. P2P access is not supported.



For access within your local network where the XVR is installed:

- a. Simply input the XVR's IP address configured during setup into the address bar of your browser and log in with the admin credentials created earlier.

For access outside your local network, away from where the XVR is installed:

- a. You will need to determine your public WAN (external) IP address at the XVR installation site. Using a PC on the local network, where the XVR is installed, visit www.whatismyip.com. This will provide you with your public WAN IP address.
- b. You will need to forward TCP ports 80 and 9000 through your router.
 - i. If your router is UPNP-enabled, enable UPNP in the XVR under Setup > Network > General > Port Configuration. Check the UPNP checkboxes for the two services listed and click 'Apply'. UPNP allows the XVR to configure port forwarding in your router automatically.
 - ii. If your router is not UPNP-enabled, you will need to manually forward the TCP ports. Consult your router's documentation for "Port Forwarding". You will need to forward TCP port 80 and TCP port 9000 to the XVR's IP address configured during setup.

Once you have your public WAN IP address and the TCP ports have been forwarded through your router, simply input the public WAN IP address into the address bar of your browser and log in with the admin credentials created earlier. DDNS configuration is recommended if your Internet Service Provider has not provided a static IP address for your public WAN (external) IP address. Contact them for details.

3. MOBILE APP

Remote live view, playback, and some system settings are available via the P2P mobile app.

1. Download the mobile app by scanning the following QR code



2. Open the app, go to Device List, click the **+** to add a new device, choose the IPC/NVR/DVR option. Scan the QR code displayed on the XVR's setup screen, System Info page, or on top of the XVR case itself. Input 80 for the port and supply the username 'admin' and the password you created earlier.

