Network Video Recorder
Quick Start Guide

1. Notes

● Please read this instruction carefully for correct use of the product and preserve it for reference purposes.

● All the examples and pictures used here are for reference only.

● There may be several technically incorrect places or printing errors in this manual. The updates will be added into the new version of this manual. The contents of this manual are subject to change without notice.

● This device should be operated only from the type of power source indicated on the marking label. The voltage of the power must be verified before using the same.

2. HDD Installation

This series of the product supports 1 SATA hard drive. Please make sure that the device is powered off before the installation. The pictures of the installation are only for reference, please take the real object as the standard.

① Loosen the screws to open the cover.

② Screw the screws into the holes of HDD but not tighten them.

③ Put the HDD onto the bottom of the device.
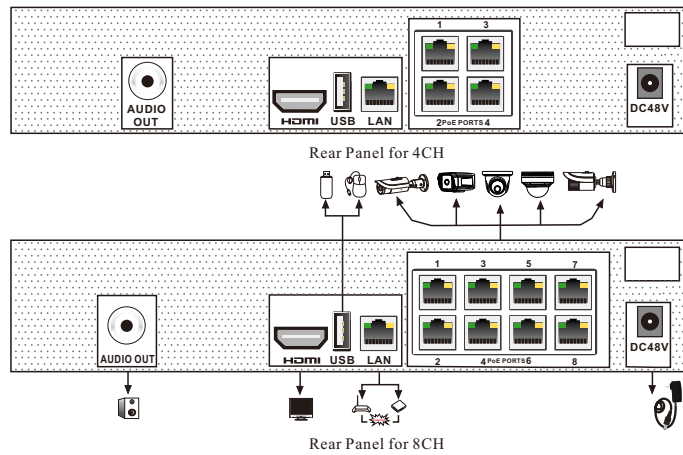
④ Connect the power and data cables.

⑤ Turn over the machine and secure the HDD with the screws.

⑥ Install back the cover and secure it with the screws.

3. Rear Panel Instruction

The interfaces of the rear panel are for reference only.

Rear Panel for 4CH

Rear Panel for 8CH

4. Startup & Shutdown

► Startup
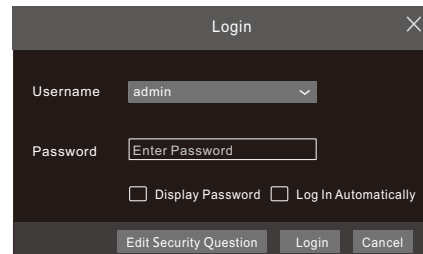
① Connect the monitor and the power.

② The device will boot and the power indicator will display blue.

③ A wizard window will pop up.

► Shutdown

Go to "Main Menu" and then select "Shutdown" icon. This will bring up a shutdown window. The device will shut down by clicking "OK" button. Then disconnect the power.

5. Login

The default username is **admin** and the default password is **123456**. You must configure the wizard if you start the NVR for the first time and you may change the password when you configure the wizard for the first time. You can skip the settings of wizard next time. Click "Start" and select "Login". This will take you to see a login box. Input default username and password you set and you can see the live image.

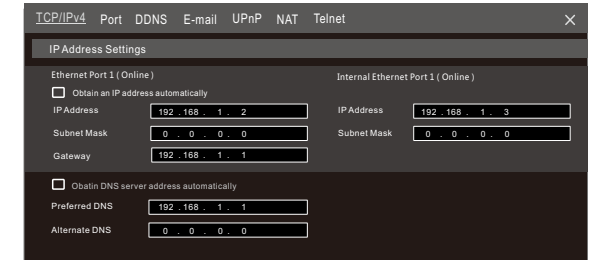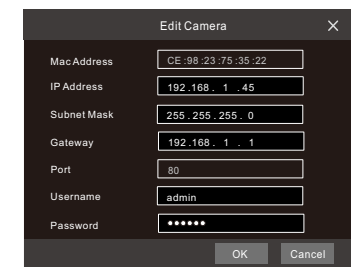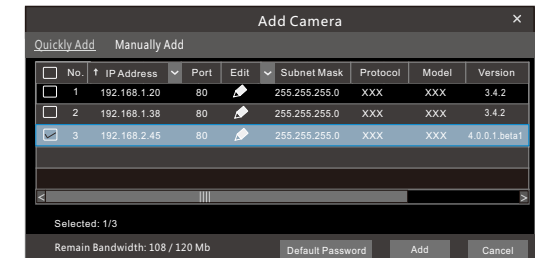| Login	✕
Username	admin ⌄
Password	Enter Password
	☐ Display Password ☐ Log In Automatically
	Edit Security Question Login Cancel

6. Network Configuration

After you finish adding IP cameras, you can see the live images through the monitor of the NVR. The following will mainly introduce how to add the IP cameras via LAN/WAN.

► LAN
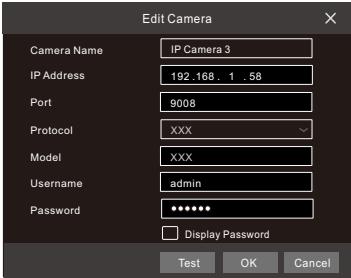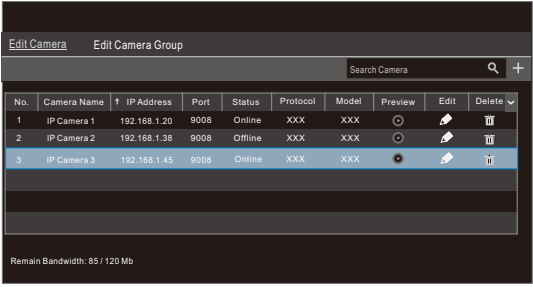
① Set the network of the NVR. Go to Start → Settings → Network →TCP/IPv4. Input IP address, subnet mask, gateway, etc. If using DHCP, please enable DHCP in both the NVR and the router.

② Go to Start → Settings → Network → Port. Input HTTP port (the default value is 80), server port (the default port is 6036).

③ The internal ethernet port is the port which connects all the PoE ports with the NVR system. The PoE ports are available if the internal ethernet port is online; if it is offline, all the PoE ports will be unavailable. The IP address and subnet mask of the internal ethernet port can be changed to make the port in the same network segment with the IP cameras which directly connect to the PoE ports of the NVR.

TCP/IPv4	Port	DDNS	E-mail	UPnP	NAT	Telnet	✕

IP Address Settings

Ethernet Port 1 (Online)
☐ Obtain an IP address automatically

IP Address	192 . 168 . 1 . 2
Subnet Mask	0 . 0 . 0 . 0
Gateway	192 . 168 . 1 . 1

Internal Ethernet Port 1 (Online)

| IP Address | 192 . 168 . 1 . 3 |
| Subnet Mask | 0 . 0 . 0 . 0 |

☐ Obatin DNS server address automatically

| Preferred DNS | 192 . 168 . 1 . 1 |
| Alternate DNS | 0 . 0 . 0 . 0 |

④ Go to Start → Settings → Camera → Add Camera. The NVR will automatically refresh the cameras searched. The IPC which supports the Onvif protocol may be added manually. If the IPC searched is not in the same local network as the NVR, you should select the device and click ◫ to modify the IP address.

Add Camera

Quickly Add   Manually Add

☐	No.	↑ IP Address ⌄	Port	Edit ⌄	Subnet Mask	Protocol	Model	Version
☐	1	192.168.1.20	80	✎	255.255.255.0	XXX	XXX	3.4.2
☐	2	192.168.1.38	80	✎	255.255.255.0	XXX	XXX	3.4.2
☑	3	192.168.2.45	80	✎	255.255.255.0	XXX	XXX	4.0.0.1.beta1

Selected: 1/3

Remain Bandwidth: 108 / 120 Mb   Default Password   Add   Cancel

Edit Camera ✕

Mac Address	CE :98 :23 :75 :35 :22
Mac Address	CE :98 :23 :75 :35 :22
IP Address	192 .168 . 1 . 45
Subnet Mask	255 .255 .255 . 0
Gateway	192 .168 . 1 . 1
Port	80
Username	admin
Password	••••••

OK   Cancel

⑤ Checkmark the device you want to add and then click "Add" button. The NVR will automatically refresh the cameras and return to "Edit Camera" interface. "Online" status means connecting the device successfully and you will see the live image. You may select the added device and click 🖉 button to modify channel, IP address, ect.
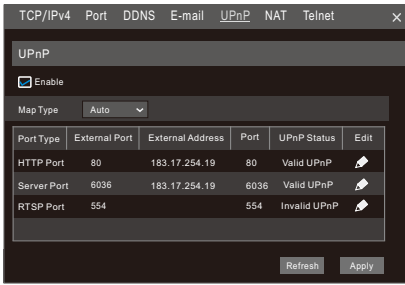
Edit Camera	Edit Camera Group

Search Camera 🔍 +

No.	Camera Name	↑ IP Address	Port	Status	Protocol	Model	Preview	Edit	Delete ▾
1	IP Camera 1	192.168.1.20	9008	Online	XXX	XXX	⊙	🖉	🗑
2	IP Camera 2	192.168.1.38	9008	Offline	XXX	XXX	⊙	🖉	🗑
3	IP Camera 3	192.168.1.45	9008	Online	XXX	XXX	◉	🖉	🗑

Remain Bandwidth: 85 / 120 Mb

Edit Camera ✕

Camera Name	IP Camera 3
IP Address	192 .168 . 1 . 58
Port	9008
Protocol	XXX ▾
Model	XXX
Username	admin
Password	●●●●●●

☐ Display Password

Test   OK   Cancel

►WAN

① Set the network of the NVR. Go to Start → Settings → Network → TCP/IPv4. Input static IP address or enable PPPoE and then input the user name and password received from your ISP.

② Go to Start → Settings → Camera. Click "Add Camera" or ⊞ behind the column of the search camera and select "Manually Add" to add the IP cameras. Input IP address, server port, username and password of the IP camera. The IP camera must be connected over WAN. And here the IP address of the IP camera must be a WAN IP address.

7. UPnP

You can use the UPnP function to enable the fast connection of the device to WAN via a router without port mapping.

① Go to Start → Settings → Network → UPnP, and enable UPnP and then click "Apply" button to save.

② Enable the UPnP function in the router.

③ Click "Refresh" button to refresh the UPnP status. If the UPnP status were still "Invalid UPnP" after refreshing it for several times, the port would be wrong. Please change the mapping type to "Manual" and then click 🖉 to modify the port until the UPnP status turns to "valid UPnP".

TCP/IPv4   Port   DDNS   E-mail   UPnP   NAT   Telnet   ✕

UPnP

☐ Enable

Map Type   Auto ▾

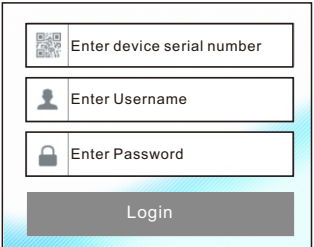| Port Type	External Port	External Address	Port	UPnP Status	Edit
HTTP Port	80	183.17.254.19	80	Valid UPnP	🖉
Server Port	6036	183.17.254.19	6036	Valid UPnP	🖉
RTSP Port	554		554	Invalid UPnP	🖉

Refresh   Apply

8. NAT

►NAT Settings

① The NVR shall be powered on and connected to the network.

② Go to Start → Settings → Network → TCP/IPv4. You can obtain the IP address, subnet mask and gateway automatically. You can also manually enter them according to the actual network situation. Please make sure the network segment is the same as that of the network which is used.

③ Set the preferred or alternative DNS Server. Click "Apply" to save the parameters.

④ Go to Start → Settings → Network → NAT tab. Enable NAT and select the NAT Server Address (The default NAT Server Address is *nat.autonat.com*). Click "Apply" to save the parameters.

TCP/IPv4   Port   DDNS   E-mail   UPnP   NAT   Telnet   ✕

NAT

Visit Address   www.autonat.com

☐ Enable

NAT Server Address   nat.autonat.com ▾
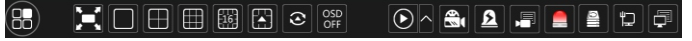
Apply

►NAT Access

After finishing the NAT settings, you can input *www.autonat.com* in the IE address bar and then press enter to go to the following interface. If you are the first time to access the NAT, you shall download and install the ActiveX according to the popup tips. After installing ActiveX successfully, it will pop the login box.

▦	Enter device serial number
👤	Enter Username
🔒	Enter Password

Login

Device Serial Number: Click 🖥 on the menu bar at the bottom of the live interface to check the serial number or go to Start → Settings → Network → Network Status to check the serial number of the NVR).

Username: The username of the NVR. The default username is admin.

Password: The password of the NVR. The password is set by yourself when you configure the wizard for the first time.

9. Manual Recording

Before recording, please install and format a HDD. In the live interface you can see the menu toolbar. Click 📷 button to start recording. Click it again to stop recording. You can also click 🎞 to check the status of the recording.

[live interface toolbar icons]

10. Playback

►Instant playback

Click "Instant Playback" in the right-click menu of the camera's preview window to select or drag the playback progress bar to change the playback time to play back the record.

►General playback

Click ▶ on the tool bar at the bottom of the live preview interface or click Start → Playback to go to the playback interface as shown below. You can also add the playback cameras manually. Click ⊞ in the playback window to pop up the "Add Camera" window. Check the cameras in the window and then click "Add" to add playback camera. The record files of the added playback camera will be played in the playback interface.

[playback interface image]