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. Packing Check

Please check the device and the accessories after getting the device. If there are any damages, shortages or defects, please contact your dealer immediately.

3. 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.



(3) Place the HDD onto the bottom of the case



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



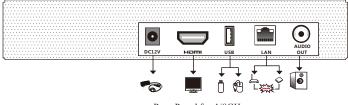
2 Screw the screws into the holes of HDD but not tighten them.





4. Rear Panel Instruction

The interfaces of the rear panel are for reference only.



Rear Panel for 4/8CH

5. 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.

6. 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 X
Username	admin 🗸
Password	Enter Password
	Display Password D Log In Automatically
	Edit Security Question Login Cancel

7. 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 \rightarrow Settings \rightarrow Network \rightarrow 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 \rightarrow Settings \rightarrow Network \rightarrow Port. Input HTTP port (the default value is 80), server port (the default port is 6036).

(3) Click "Apply" to save the settings.

<u>TCP/IPv4</u> Port [DNS E-mail	UPnP	NAT	Telnet	×
IP Address Setting	s				
Ethernet Port 1 (Onli Obtain an IP addr					
IP Address	192.168. 1	. 2			
Subnet Mask	0.0.0	. 0			
Gateway	192.168. 1	. 1			
Obatin DNS serv		ally			
Preferred DNS	192.168. 1	. 1			
Alternate DNS	0.0.0	. 0			

(4) Go to Start \rightarrow Settings \rightarrow Camera \rightarrow 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 A	،dd					
□ No. 1	t IPAddress	✓ Port	Edit	✓ Subnet Mask	Protocol	Model	Version
□ 1	192.168.1.20	80	۲	255.255.255.0	xxx	XXX	3.4.2
2	192.168.1.38	80	ø	255.255.255.0	xxx	xxx	3.4.2
🖌 З	192.168.2.45	80	Ø	255.255.255.0	xxx	xxx	4.0.0.1.beta1
<							>
Selected	i: 1/3						
Remain E	Bandwidth: 108 ,	/ 120 Mb		Default Passw	ord	Add	Cancel

	Edit Camera X
MacAddress	CE :98 :23 :75 :35 :22
IP Address	192.168. 1 .45
Subnet Mask	255.255.255.0
Gateway Port	<u>192.168.1.1</u> 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.



(4) Connect the power and data cables.

(6) Install the cover back and fix it.

"Online" status means connecting the device successfully and you will see the live image. You may select the added device and click \blacksquare button to modify channel, IP address, ect.

Edit C	amera Edi	t Camera Group)						
						Searc	h Camera		ৎ +
	Camera Name	† IP Address	Port	Status	Protocol	Model	Preview	Edit	Delete 🗸
	IP Camera 1	192.168.1.20	9008	Online	xxx	ххх	o	۵	ΰ
	IP Camera 2		9008	Offline				۶	ΰ
							0	ø	π
Remai	n Bandwidth: 85 / 1	20 Mb							

	Edit Camera X
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 \rightarrow Settings \rightarrow Network \rightarrow 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 **H** 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.

8. 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 \rightarrow Settings \rightarrow Network \rightarrow 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 [DNS	E-mail	<u>U</u> F	P <u>nP</u>	NAT	Telnet	
UPnP								
🛃 Enable								
Мар Туре								
Port Type	External Po	t Ext	ernal Addre	ess	Port	UPr	P Status	Edit
HTTP Port	80	18	3.17.254.1	9	80	Val	id UPnP	۶
Server Port	6036		3.17.254.1		603	6 Val	id UPnP	۶
RTSP Port	554				554	Inv	alid UPnP	۶
						Re	fresh	Apply

9. NAT

► NAT Settings

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

(2) Go to Start \rightarrow Settings \rightarrow Network \rightarrow 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/I	IPv4	Port	DDNS	E-mail	UPnP	<u>NAT</u>	Telnet		×
NAT									
	Addres Enabl		w	ww.autor	nat.com				
NAT	Serve	rAddre	ess	nat.autona	it.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.

Ent	er device serial number
1 Ent	er Username
Ent	er 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.

10. Manual Recording

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

11. 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 \bigcirc on the tool bar at the bottom of the live preview interface or click Start \rightarrow Playback to go to the playback interface as shown below. You can also add the playback cameras manually. Click \blacksquare 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.

