

TN-E1600AI-16P NVR

Quick Start Guide



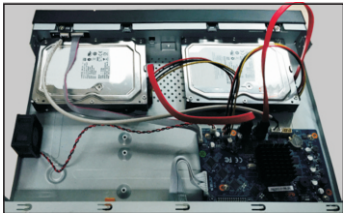
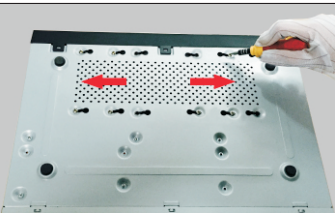
1. Notes

- Please read these 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.
- 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 2 SATA hard drives. Please make sure that the device is powered off before the installation. The pictures of the installation are only for reference.

- ① Loosen the screws to open the cover.
- ② Screw the screws into the holes of HDD, but not tighten them.
- ③ Put the HDDs onto the bottom of the device.
- ④ Turn over the machine and secure the HDD with the screws.
- ⑤ Connect the power and data cables.

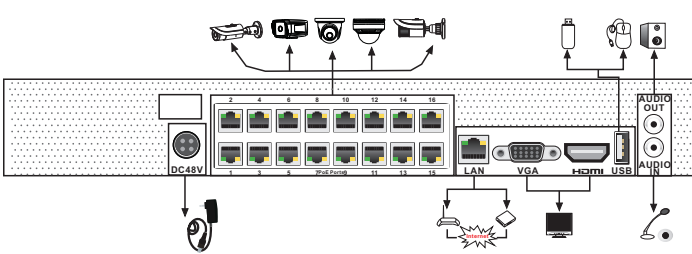


- ⑥ Install back the cover and secure it with the screws.

Tips: Please check the inside structure of the device and make sure the cables connected well before installing the cover back.

3. Rear Panel Instruction

The interfaces of the rear panels are for reference only.



Name	Description
DC48V	Connector for power input
PoE Ports	16 PoE network ports; connect to PoE IP cameras
LAN	Ethernet port
VGA	Connect to monitor
HDMI	Connect to high definition display device
USB	Connector for USB device (like USB mouse, USB storage device for backup or upgrade, etc.)
AUDIO OUT	Audio output
AUDIO IN	Audio input

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

Click “Start” and select “Shutdown” icon. Then click “OK” button. After verifying the username and password, the system will shut down. Finally, disconnect the power.

5. Login

You must configure the wizard if you start the NVR for the first time. Choose the language, locality and read the privacy statement. Then set the data, time and zone as needed. After that, set the login password.

Wizard

Admin Password Setup

Username

admin

New Password

xxxxxxx

Confirm Password

xxxxxxx

Display Password

Log In Automatically

Pattern Lock

Enable

Edit

Previous

Next

The default username is **admin**. Set your own password when you use the wizard for the first time. Enable pattern lock and click “Edit” to set the pattern

lock. Then set security questions and answers. It is important for you to remember these answers, or you will not be able to reset your password. Click “Next” to continue.

6. Disk Settings

You can view the disk number, disk capacity of the NVR and serial number, Read/Write status of the disk. Click “Format” to format the disk. Click “Next” to continue.

7. Network Configuration & Add IP Camera

- ① Enter IP address, subnet mask, gateway, etc. If using DHCP, please enable DHCP in both the NVR and the router.
- ② Enter HTTP port (the default value is 80) and 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.

Wizard

Network Settings >

Ethernet Port 1 (Online)

Obtain an IP address automatically

Address192.168.1.2

Subnet Mask255.255.255.0

Gateway192.168.1.1

Internal Ethernet Port (Online)

Address10.151.151.1

Subnet Mask255.255.255.0

Obtain DNS automatically

Preferred DNS

Alternate DNS

HTTP Port80

RTSP Port554

HTTPS Port443

Sever Port6036

Previous

Next

Cancel

- ④ Add Camera. Click “Next” to go to the following interface.

Wizard

Network Settings > Add Camera >

No.	↑	Address	Edit	Port	Protocol	Model	Version	Add
1		192.168.1.20		80	Nuvico Xcel	NCT-8ML2-B2	3.4.2	+
2		192.168.1.38		80	Nuvico Xcel	NCT-5MLC-B2	3.4.2	+
3		192.168.2.45		80	Nuvico Xcel	NCT-8ML2-E2	3.4.2	+

Remain Bandwidth: 80 / 160 Mb Refresh Add All Delete All

No.	IP Camera Name	Address	Protocol	Status	Edit	Delete
1	[POE1]IPC	192.168.1.20	XXX	Online		

Click “Refresh” to refresh the list of online IP cameras which are in the same local network with the NVR. Click + to add the searched camera. Click “Add All” to add all the cameras in the list. Click to delete the added camera. Click “Delete All” to delete all the added cameras.

Edit IP

Mac Address

CE :98 :23 :75 :35 :22

Address

192.168 . 1 .45

Subnet Mask

255.255.255.0

Gateway

192.168 . 1 . 1

Username

admin

Password

OK

Cancel

Edit Camera

Camera Name

IP Camera 1

Address

192.168 . 1 . 58

☐ Sync to IPC

Port

9008

Protocol

XXX

Model

XXX

Username

admin

Password

Test

OK

Cancel

⑤ Click  to edit an IP camera as shown on the above left. Enter the new IP address, subnet mask, gateway, username and password of the camera. Click “OK” to save the settings.

Click  to edit the added camera as shown on the above right. Enter the new camera name, IP address, port, username and the password of the camera. You can click “Test” to test the effectiveness of the input information. Click “OK” to save the settings. You can change the IP camera name only when the added camera is online. Click “Next” to continue.

8. Record Settings

Two record modes: auto and customization.

Auto Mode: Select one auto mode in the interface as shown below and then click “Next” to save the settings. Click “Advanced” to self-define a record mode.

Wizard

Network Settings > Add Camera > Disk Settings > Record Settings >

Mode

Auto

☐ Motion Record

☐ Sensor Record

☐ Motion Record+Sensor Record

☐ Always(24x7)Record+Motion Record

☐ Always(24x7)Record+Sensor Record

☐ Always(24x7)Record+Motion Record+Sensor Record

☐ Always(24x7)Record+Motion Record+Sensor Record+AI Record

Advanced

Previous

Next

Cancel

Customization: Set the record of each camera, such as “Sensor Record”, “Motion Record”, “AI Record”, etc. Please enable the record as needed. Click “Next” to continue.

9. NAT

You can enable the NAT function in the interface or set it in the network configuration after exiting the wizard. You can scan the QR code through the mobile surveillance APP for iOS or Android to easily view your cameras.

► Web Access Through NAT Function

Go to Start → Settings → Network → NAT tab. Enable NAT and select the NAT access type(NAT1.0 or NAT2.0). Click “Apply” to save the parameters.

NAT

☒ Enable

Access Type

NAT1.0(d2.autonat.com:20002)

Visit Address

www.autonat.com

NAT Status

Success

Apply

Enter the visit address in the address bar of your browser 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 plug-in according to the popup tips. After installing the plug-in successfully, it will appear 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.

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. Cloud Upgrade

Before using this function, please enable NAT2.0. Then click “Cloud Upgrade” in the wizard interface. Go to Start →Settings →Network → Cloud Upgrade interface and click “Upgrade” to upgrade your device if it is not the latest version.

11. Manual Recording

Before recording, please install 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.



12. Playback

► Instant playback

Click  on the tool bar at the bottom of the preview camera window to play back the record from 5 minutes ago or right click to select “Instant Playback” and then select the instant playback time to play back the record.

► General playback

Click  on the tool bar at the bottom of the live view 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.

