

HWT-NVR800 Quick Start

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Included Items

Item	PCS	Item	PCS
Device	1	Mouse	1
Power cable	1	Network cable	1
Warranty card	1	Hard disk screws	20

Note: The number of screws varies depending on the device model.

2 Port Description

2.1 Front Panel

Models with this front panel: HWT-NVR800-A01/HWT-NVR800-A01-04P/HWT-NVR800-A02-08P/HWT-NVR800-A02-16P/HWT-NVR800-B04/HWT-NVR800-B04DN700-16(02)A/N700-32(04)A/N700-16(02)A 16P.

Figure 2-1 Front panel

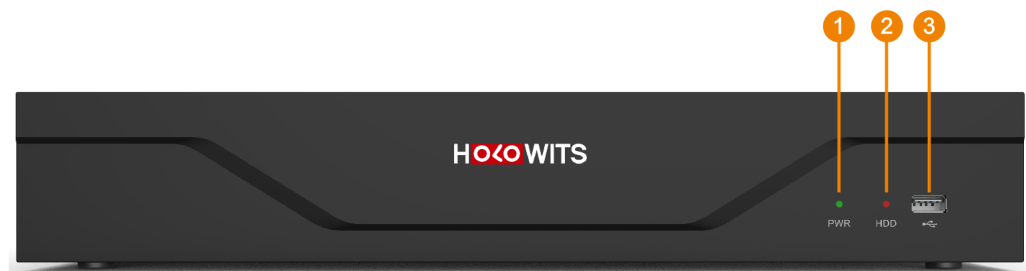


Table 2-1 Port description

No.	Port	Type	Function
3	USB port	USB 2.0	Connects to one of the following USB devices: • USB flash drive • USB mouse • Removable hard disk, whose output electrical specification is less than or equal to that of the USB port.

Table 2-2 describes the status of indicators on the front panel.

Table 2-2 Indicator status description

No.	Indicator	Status
1	Power status indicator	- Steady on: The device is working properly. - Off: The device is stopped or powered off.
2	Hard disk status indicator	- Steady on: The hard disk is properly connected but no data is being read from or written to the hard disk. - Blinking: Data is being read from or written to the hard disk. - Off: The hard disk is faulty or not detected.

2.2 Rear Panel

2.2.1 Device with One Disk Tray

Figure 2-2 Rear panel of HWT-NVR800-A01

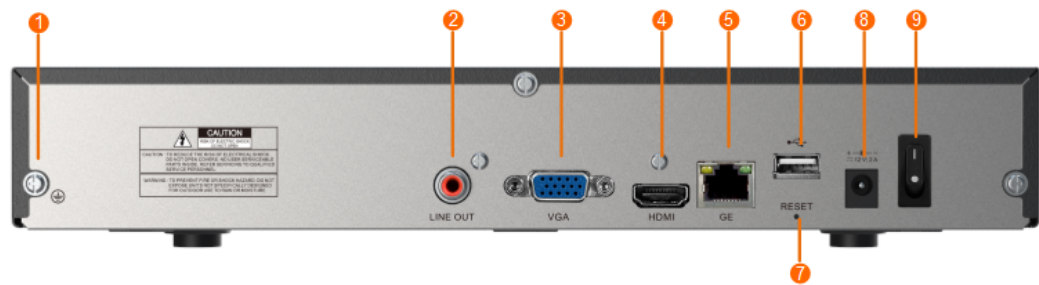


Figure 2-3 Rear panel of HWT-NVR800-A01-04P

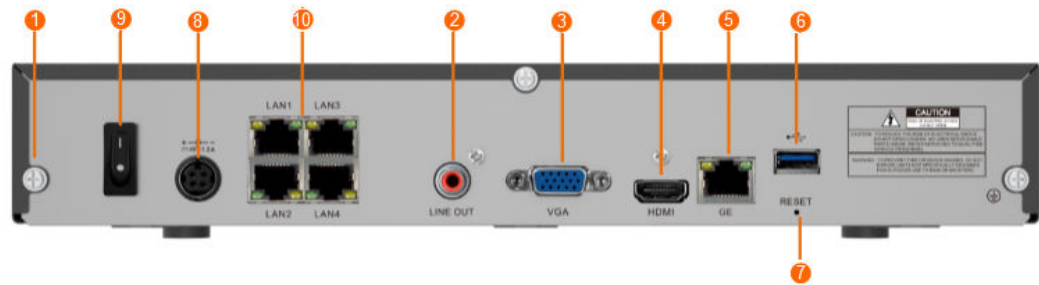


Table 2-3 describes the ports and buttons on the rear panel.

Table 2-3 Port and button description

No.	Port/Button	Type	Function
1	Ground port	-	Grounds the device.

No.	Port/Button	Type	Function
2	Audio output port	RCA	Used for audio output. This port can be used to listen to channel-associated voice of cameras.
3	VGA port	VGA	Connects to a monitor through a VGA cable. This port supports 1080p video output.
4	HDMI port	HDMI	Connects to a monitor through an HDMI cable. This port supports 2K/4K video output.
5	Network port	RJ45	Connects a network cable to a 10/100/1000 Mbit/s Ethernet port.
6	USB port	USB2.0(H WT-NVR800-A01) USB3.0(H WT-NVR800-A01-04P)	Connects to one of the following USB devices: • USB flash drive • USB mouse • Removable hard disk
7	Reset button	-	Restores the device to factory settings. If you hold down the button for about 10s, the device automatically restores to factory settings and the buzzer beeps four times.
8	Power port	-	Connects to the power supply.
9	Power switch	-	Powers on or off the device.
10	PoE port	PoE	Connects and supplies power to a camera.

Table 2-4 describes the status of indicators on the rear panel.

Table 2-4 Indicator status description

Indicator	Status
Network port ACT indicator	• Off: No data is being transmitted. • Blinking: Data is being transmitted.
Network port LINK indicator	• Steady on: The network port is connected properly. • Off: The network port is not connected.

2.2.2 Device with Two Disk Trays

Figure 2-4 Rear panel of HWT-NVR800-A02-08P

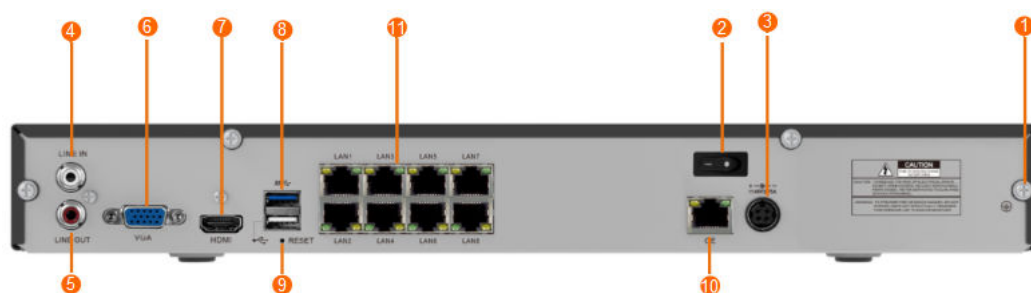


Figure 2-5 Rear panel of HWT-NVR800-A02-16PN700-16(02)A 16P

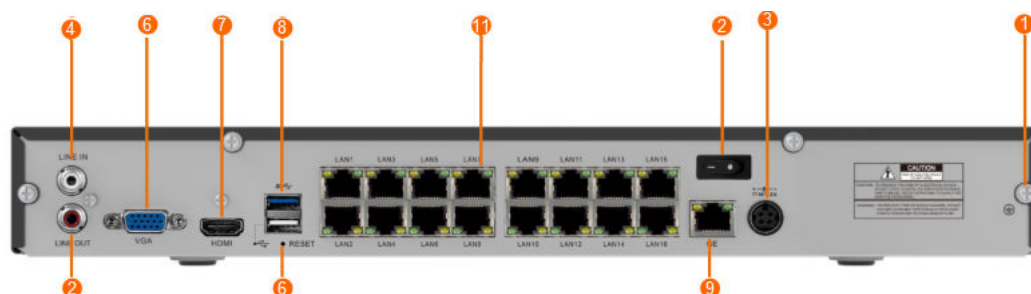


Figure 2-6 Rear panel of N700-16(02)A

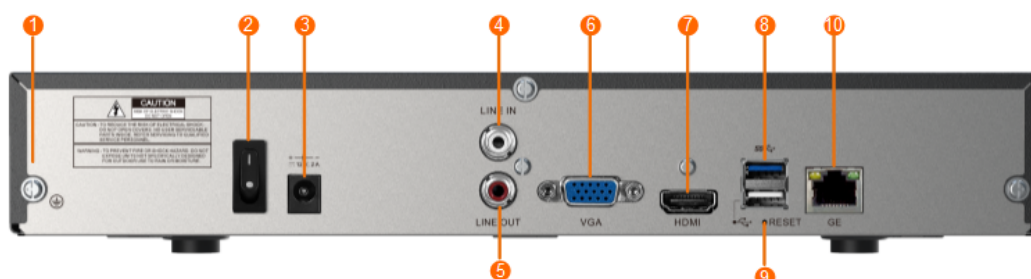


Table 2-5 describes the ports and buttons on the rear panel.

Table 2-5 Port and button description

No.	Port/Button	Type	Function
1	Ground port	-	Grounds the device.
2	Power switch	-	Powers on or off the device.
3	Power port	-	Connects to the power supply.
4	Audio input port	RCA	Used for audio input. This port can be used for voice intercom with cameras equipped with microphones.

No.	Port/Button	Type	Function
5	Audio output port	RCA	Used for audio output. This port can be used to listen to channel-associated voice of cameras.
6	VGA port	VGA	Connects to a monitor through a VGA cable. This port supports 1080p video output.
7	HDMI port	HDMI	Connects to a monitor through an HDMI cable. This port supports 2K/4K video output.
8	USB port	USB 2.0/USB 3.0	Connects to one of the following USB devices: • USB flash drive • USB mouse • Removable hard disk
9	Reset button	-	Restores the device to factory settings. If you hold down the button for about 10s, the device automatically restores to factory settings and the buzzer beeps four times.
10	Network port	RJ45	Connects a network cable to a 10/100/1000 Mbit/s Ethernet port.
11	PoE port	PoE	Connects and supplies power to a camera.

Table 2-6 describes the status of indicators on the rear panel.

Table 2-6 Indicator status description

Indicator	Status
Network port ACT indicator	• Off: No data is being transmitted. • Blinking: Data is being transmitted.
Network port LINK indicator	• Steady on: The network port is connected properly. • Off: The network port is not connected.

2.2.3 Device with Four Disk Trays

Figure 2-7 Rear panel of HWT-NVR800-B04



Figure 2-8 Rear panel of HWT-NVR800-B04DN700-32(04)A

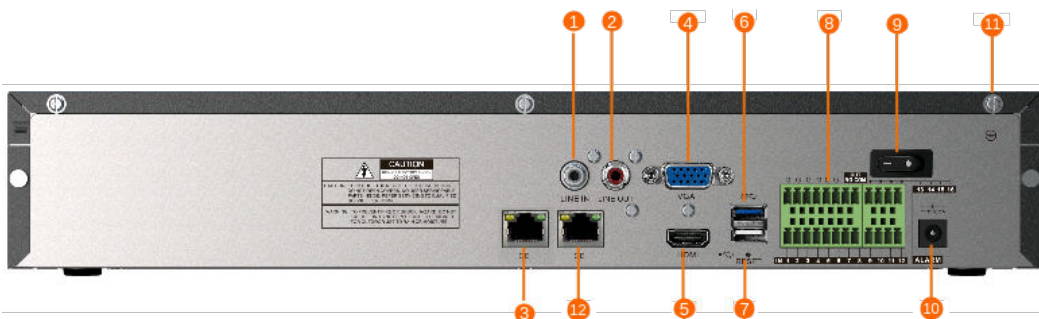


Table 2-7 describes the ports and buttons on the rear panel.

Table 2-7 Port and button description

No.	Port/Button	Type	Function
1	Audio input port	RCA	Used for audio input. This port can be used for voice intercom with cameras equipped with microphones.
2	Audio output port	RCA	Used for audio output. This port can be used to listen to channel-associated voice of cameras.
3	Network port (HWT-NVR800-B04)	RJ45	Connects a network cable to a 10/100/1000 Mbit/s Ethernet port.
	LAN port (HWT-NVR800-B04D)		Connects a network cable to a 10/100/1000 Mbit/s Ethernet port. This port provides internal services and is used to connect to cameras on a LAN.

No.	Port/Button	Type	Function
4	VGA port	VGA	Connects to a monitor through a VGA cable. This port supports 1080p video output.
5	HDMI port	HDMI	Connects to a monitor through an HDMI cable. This port supports 2K/4K video output.
6	USB port	USB 2.0/USB 3.0	Connects to one of the following USB devices: • USB flash drive • USB mouse • Removable hard disk
7	Reset button	-	Restores the device to factory settings. If you hold down the button for about 10s, the device automatically restores to factory settings and the buzzer beeps four times.
8	Alarm input/output port	I/O terminal	• Alarm input port (IN): connects to external alarm input devices, such as the access control system. • Alarm output port (OUT): connects to external alarm output devices, such as the alarm bell system.
9	Power switch	-	Powers on or off the device.
10	Power port	-	Connects to the power supply.
11	Ground port	-	Grounds the device.
12	WAN port	RJ45	Connects a network cable to a 10/100/1000 Mbit/s Ethernet port. This port provides external services. It must be connected to the network port when an external system accesses the HWT-NVR800. This port can also be used to connect to cameras.

Table 2-8 describes the status of indicators on the rear panel.

Table 2-8 Indicator status description

Indicator	Status
Network port ACT indicator	• Off: No data is being transmitted. • Blinking: Data is being transmitted.

Indicator	Status
Network port LINK indicator	• Steady on: The network port is connected properly. • Off: The network port is not connected.

3 Device Installation

3.1 Hard Disk Installation

3.1.1 Precautions

- Use device-dedicated SATA disks as recommended by the vendor. Before installing the disks, ensure that the power supply is disconnected and have a Phillips screwdriver and hard disk screws (that can be found in the device packing box) ready.
- Select the proper installation method based on the specific device model.
 - Device with one or two disk trays: The disks need to be secured to the bottom of the chassis.
 - Device with four disk trays: The disks need to be secured to the disk trays (that can be found after opening the chassis cover).

3.1.2 Installing a Hard Disk on a Device with One Disk Tray

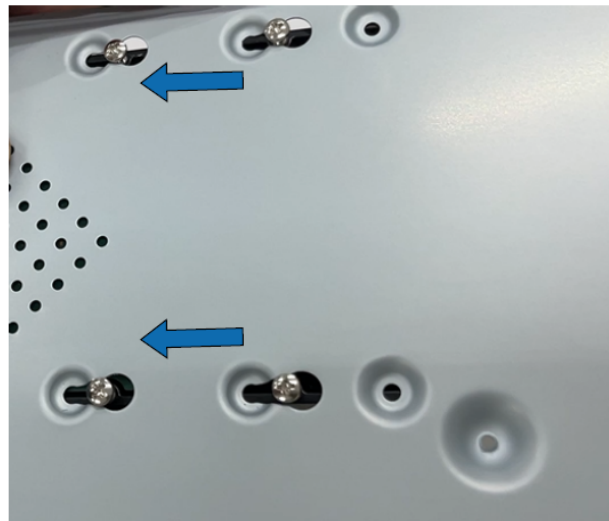
1. Use a PH1 screwdriver to remove the left, right, and rear screws on the chassis cover, and remove the chassis cover.



2. Use data and power cables to connect a hard disk.
 - a. Install four screws on the hard disk. Do not fully tighten the screws (about one-third screwed in).
 - b. Connect the data cable to the data cable port on the hard disk.
 - c. Connect the power cable to the power port on the hard disk.



3. Stand the chassis sideways, align the screws with the pre-drilled holes at the chassis bottom, and tighten the screws until the head is flush with the chassis body to secure the hard disk.



4. Close the chassis cover and secure it using the screws removed in Step 1.

3.1.3 Installing Hard Disks on a Device with Two Disk Trays

3.1.3.1 Installing Hard Disks on a Non-PoE Device with Two Disk Trays

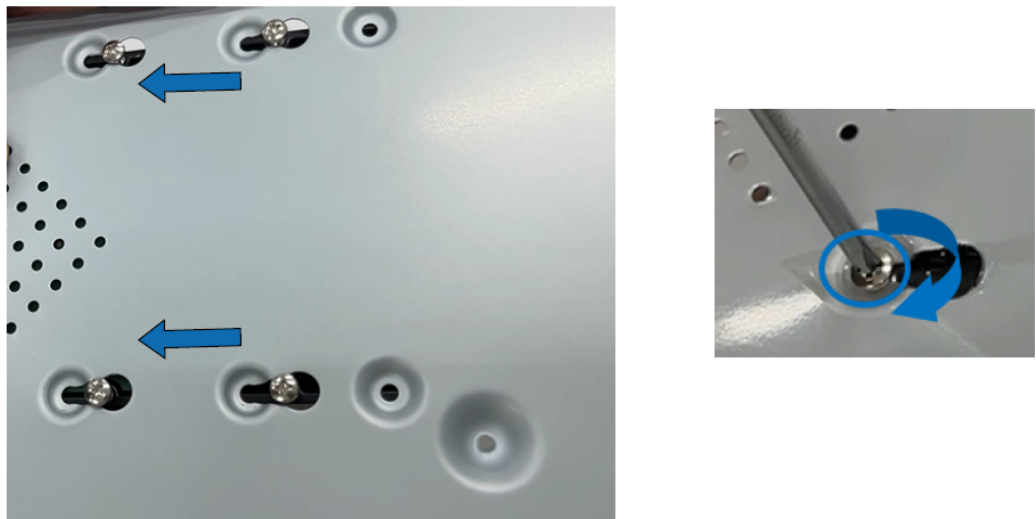
1. Use a PH1 screwdriver to remove the left, right, and rear screws on the chassis cover, and remove the chassis cover.



2. Connect data and power cables to two hard disks.
 - a. Install four screws on a hard disk. Do not fully tighten the screws (about one-third screwed in).
 - b. Connect the data cable to the data cable port on the hard disk.
 - c. Connect the power cable to the power port on the hard disk.



3.
 - a. Stand the chassis sideways, and face the ports on the hard disk connected to the long data cable towards the fan. Insert the disk screws through the four large disk holes close to the fan on the chassis bottom and push the screws towards the small holes. Then turn over the device and tighten the screws.
 - b. Stand the chassis sideways, and face the ports on the hard disk connected to the short data cable towards the device switch. Insert the disk screws through the four large disk holes close to the switch on the chassis bottom and push the screws towards the small holes. Then turn over the device and tighten the screws.



4. Close the chassis cover and secure it using the screws removed in Step 1.

3.1.3.2 Installing Hard Disks on a PoE-capable Device with Two Disk Trays

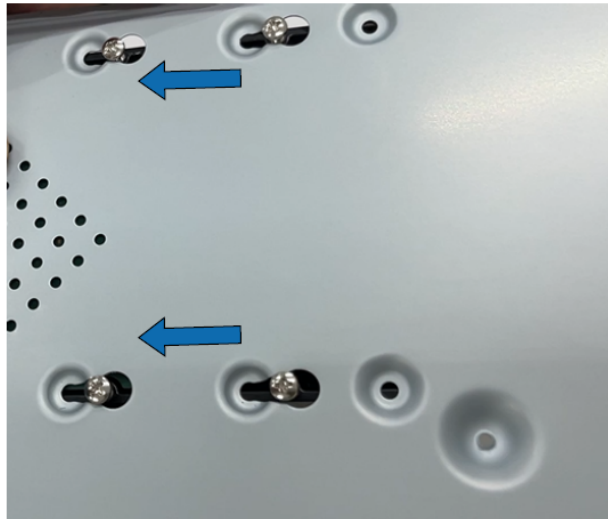
1. Use a PH1 screwdriver to remove the left, right, and rear screws on the chassis cover, and remove the chassis cover.



2. Use data and power cables to connect two hard disks.
 - a. Install four screws on a hard disk. Do not fully tighten the screws (about one-third screwed in).
 - b. Connect the data cable to the data cable port on the hard disk.
 - c. Connect the power cable to the power port on the hard disk.



3. Stand the chassis sideways, align the screws with the pre-drilled holes at the chassis bottom, and tighten the screws until the head is flush with the chassis body to secure the hard disks.



4. Close the chassis cover and secure it using the screws removed in Step 1.

3.1.4 Installing Hard Disks on a Device with Four Disk Trays

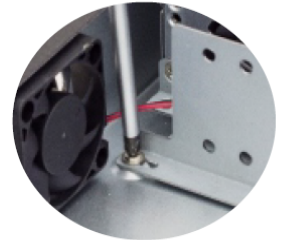
1. Use a PH1 screwdriver to remove the rear screws on the chassis cover, and remove the chassis cover.



2. Use data and power cables to connect four hard disks.
 - a. Connect the data cables to the data cable ports on the hard disks.
 - b. Connect the power cables to the power ports on the hard disks.



3. Loosen the screws on the hard disk tray.



4. Secure one side of the hard disk to the disk tray using screws.



5. Secure the other side of the hard disk to the disk tray using screws.



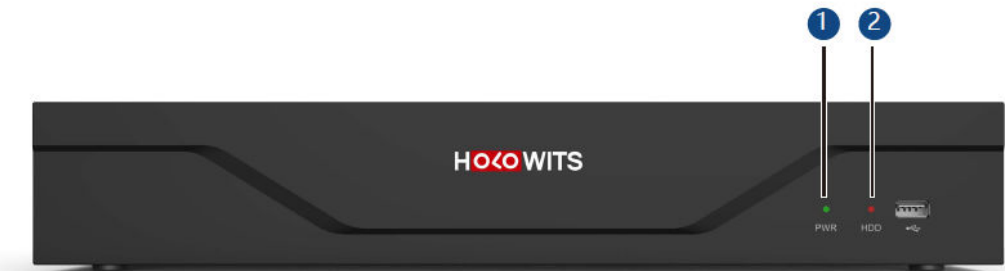
6. Fix the disk tray in place.
7. Close the chassis cover and secure it using the screws removed in Step 1.

4 Device Power-On

1. Connect the power cable and turn on the power switch.



2. Check the indicators on the front panel of the device for its running status.



No.	Indicator	Description
1	Power status	- Steady green: The device is working properly. - Off: The device is powered off.
2	Hard disk status	- Steady red: The hard disk is connected but no data is being read from or written to the hard disk. - Blinking red: Data is being read from or written to the hard disk. - Off: No hard disk is detected, a hard disk is faulty, or a hard disk is incorrectly installed.

5 Startup Wizard on the LDU

When you log in to the Local Display Unit (LDU) for the first time, you need to complete related configurations by following the startup wizard.

Procedure

Step 1 Set the user name and password as prompted upon the first login to the LDU.

Keep your user name and password safe to prevent unauthorized logins.

Step 2 Configure network information.

If the switch connected to the device supports the DHCP function, select DHCP.

Step 3 Set the date.

If the device needs to time-synchronize with the NTP server, ensure that the switch connected to the device has been connected to the Internet.

Step 4 Connect to cameras.

(Only for PoE-capable devices) Connect cameras to the PoE ports of the device or the switch connected to the device. Then the device automatically discovers the cameras.

Step 5 Initialize hard disks.

Before using a hard disk for the first time, format the hard disk. Otherwise, the device cannot store video files to the hard disk.

----End

6 Web Client Login

Before logging in to the web client, ensure that your computer is properly connected to the device.

Procedure

Step 1 Open Internet Explorer on your computer, enter the device IP address in the address box, and press **Enter**.

Step 2 Enter the correct user name and password and click **Login**.

Download and install the required plug-in as prompted upon the first login. Close all browser windows during the plug-in installation.

----End

7 Recording Playback

Procedure

- Step 1** Choose  > **Search**.
- Step 2** Set the search time range and channel ID, and click **Search**.
- Step 3** Click  to play back a recording.
- End

8 App Login

Before logging in to the app, ensure that the device is connected to the Internet.

Procedure

- Step 1** On the LDU, choose **Settings > Network > Cloud Service** and enable the cloud service.
- Step 2** Download and install the app on your mobile phone.

Figure 8-1 Scan the QR code to download the HOLOWITS app



- Step 3** Start the app and tap **Register** to register an account. If you have registered an account, skip this step.
 - Step 4** Log in to the app, tap , and scan the QR code on the **Cloud Service** page to connect to the device.
 - Step 5** View the live video from cameras connected to the device.
- End

9 Document Obtaining

- You can log in to <https://holowits.com/documentation>, enter the desired device name, and obtain related documents.
- You can scan the quick start QR code on the device's nameplate to obtain the quick start guide.