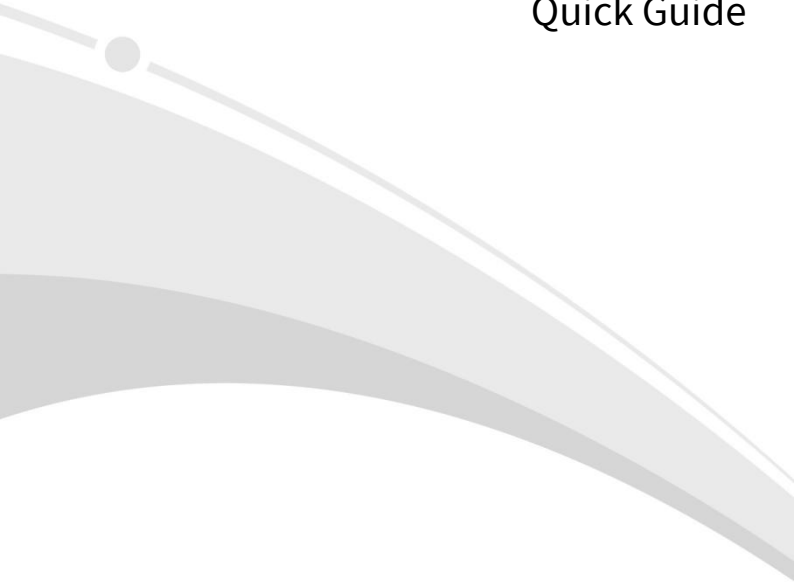


Network Video Recorders

Quick Guide

A decorative graphic on the left side of the page. It features a grey circle positioned on a thin grey line that curves downwards from the left. Below this line are two overlapping, curved bands: a lighter grey band on top and a darker grey band on the bottom, both curving downwards from the left edge.

1 Packing List

Contact your local dealer if the package is damaged or incomplete. The package contents may vary with device model.

No.	Name	Qty	Unit
1	NVR	1	PCS
2	Grounding cable	1	PCS
3	HDD mounting brackets	16	Pair
4*	Phoenix terminal ⁽¹⁾	6	PCS
5*	Mouse	1	PCS
6	Screw	1	Set
7	Power adapter	1	PCS
8	Product documents	1	Set

Remarks:

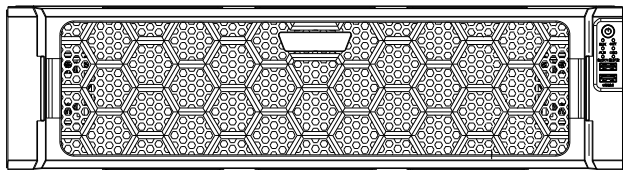
* means optional and supplied with certain models only.

(1) The number of phoenix terminals is consistent with that of device alarm ports.

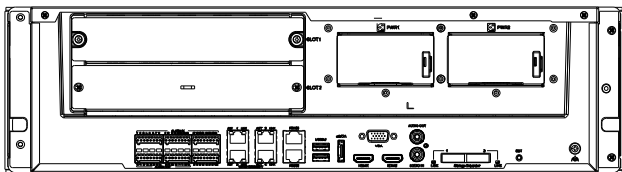
2 Appearance

The actual appearance may vary with device model.

Front view

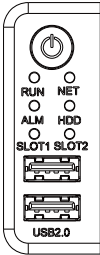


Rear view



3 Indicators

3.1 Front Panel

	Indicators	Status	Description
	RUN (operation)	Steady on	Normal
		Blinking	Starting up
	ALM (alarm)	On	Device alarm occurred
		Off	No alarm
	NET (network)	On	Connected to network
		Off	No network connection
	SLOT (expansion card)	On	Expansion card connected
		Off	No expansion card
	HDD (hard disk)	On	Connected to storage device, such as hard disk, disk enclosure
		Off	No storage device

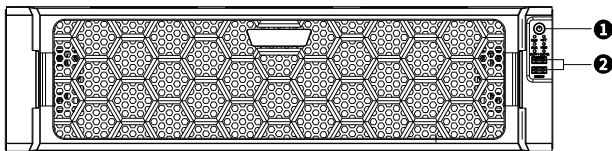
3.2 Rear Panel

Indicators	Status	Description
PWR (Power)	Steady green	Normal.
	Blinking green	Standby.

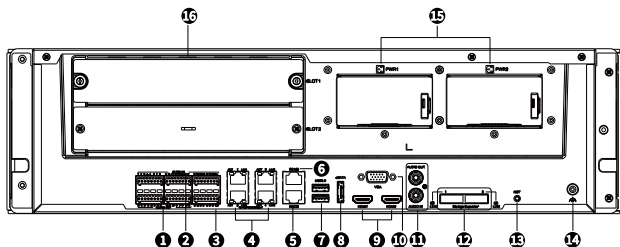
Indicators	Status	Description
	Steady yellow	Disconnected from power due to abnormal failure.
	Blinking yellow	Abnormal alarm occurs, such as overcurrent, overtemperature, overvoltage, undervoltage, etc.
LINK	Steady on	Connected to disk enclosure.
	Blinking	Communicating with disk enclosure.

4 Interfaces

The interface may vary with device model.



Interface	Description
1	Power on/off. NOTE: Press this button to power off. Do not power off device by disconnecting power; it may damage the device.
2	2 USB2.0 interfaces, used to connect USB devices.



Interface	Description
1	8-channel alarm output, used to connect alarm output devices.
2	24-channel alarm input, used to connect alarm input devices.
3	12V DC output, used to provide 12V direct current to external devices.
4	Network port (4*10M/100M/1000M auto-negotiation interfaces), used to connect an Ethernet network switch.
5	RS232, for device test and maintenance.
6	RS485, used to connect RS485 devices such as keyboards.
7	2 USB3.0 interfaces, used to connect USB devices.
8	eSATA interface, used to connect external storage devices.
9	HDMI output, used to transmit digital signals to a display device.
10	VGA output, used to transmit analog signals to a display device.
11	Audio input/output, used to connect audio input/output devices.
12	2 miniSAS interfaces, used to connect network storage disk enclosure. CAUTION! Do not connect or disconnect disk enclosure with power applied.
13	Reset button. Press and hold for at least 5 seconds to restore the to default settings.
14	Grounding terminal, used to connect ground with a grounding cable.

Interface	Description
15	100V to 240V AC input, used to connect power supply. NOTE: The number of power module may vary with device model.
16	Expansion card slot (optional).

5 Device Installation

5.1 Preparation

- Prepare a 1# or 2# Phillips screwdriver, antistatic gloves or an antistatic wrist strap.
- Disconnect power before you start.



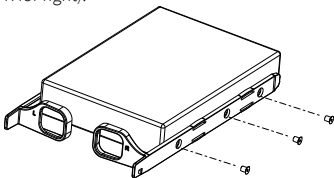
CAUTION!

For NVR supports the face library function, the function may be unavailable if there are no disks in slot 1 and slot 2.

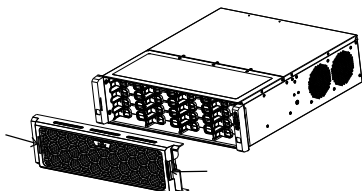
5.2 Install Hard Disks

The illustrations are for reference only. The actual installation method may vary with device model.

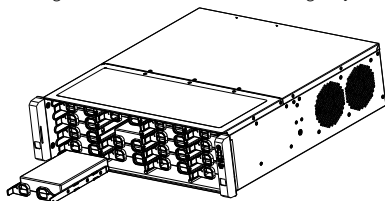
1. Use the Phillips screwdriver to fix the disk to the mounting brackets (L for left and R for right).



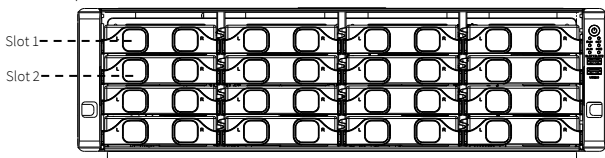
2. Press the snap buttons on both sides of the front panel, and remove the front panel.



3. Align the disk with the slot and then gently insert the disk.



4. Push the hard disk slowly with your thumb till it clicks into place. Repeat the above steps to install the rest hard disks.



5. Reinstall the front panel.



CAUTION!

When replacing the disk, gently pull the handles to detach the hard disk from the backplane, wait for at least 30s till the hard disk completely stops operation, and then pull out the disk.

5.3 (Optional) Install Expansion Card

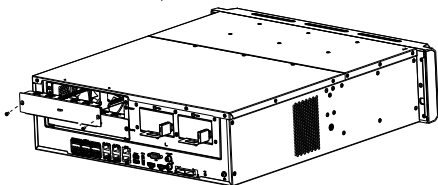


NOTE!

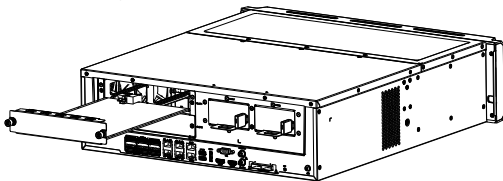
Certain devices are delivered with a smart expansion card installed; it is not recommended to unplug the smart card from the device.

Follow the steps to install the smart card or decoding card (if applicable):

1. Loosen the screws of the expansion card panel using the Phillips screwdriver, and then remove the panel.



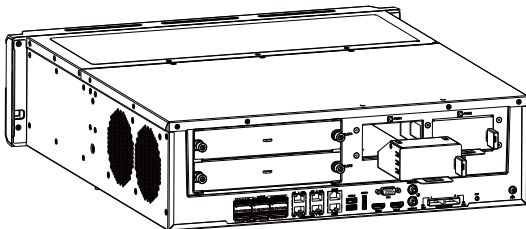
2. Push the expansion card slowly into the card slot .



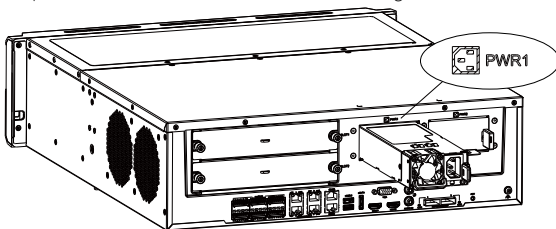
3. Fasten the screws of the expansion card.

5.4 Install Power Module

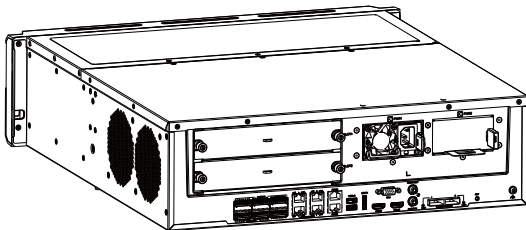
1. With your palm facing up, press and hold the spring snap with your thumb, insert your index and middle fingers into the handle, and then pull out the power panel.



2. If there is a power silkscreen on the device, you can confirm the direction of the power interface according to the silkscreen. If there is no silk screen, insert the power module in the direction as shown in the figure below.



3. Complete the power module installation.



5.5 Mount the Device

5.5.1 Cabinet Installation

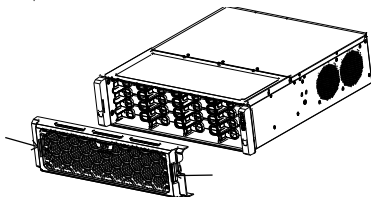
The device can fit in a 19-inch cabinet. The illustrations below are for reference only.



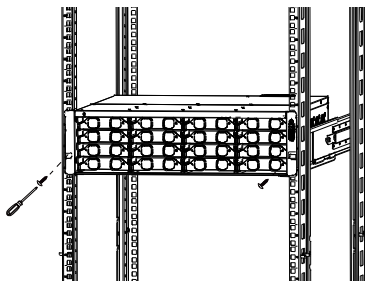
CAUTION!

- Keep the device away from vibration sources such as an electric generator.
- For cabinet mount, a tray or slide rails must be installed on the rack to hold the device. It is forbidden to hold the device only by rack mounting brackets.

1. Press the snap buttons on both sides of the front panel, and remove the front panel.



2. Install the tray or slide rails on the cabinet.
3. Seat the device on the tray or slide rails, and push gently until the two brackets contact the rack.
4. Use screws to fix the two brackets to the rack.



5. Install the front panel to complete the installation.

5.5.2 Workbench Installation

The device can also fit on the clean workbench.

Please check the following items before installation:

- Make sure that the workbench is firm enough to hold the device and cables.
- Make sure that the workbench is stable and well grounded.
- Allow at least 30cm space at the front and back sides and at least 10cm space at the left and right sides of the device for heat dissipation.
- Do not stack devices or place anything on the device.

6 Startup

6.1 Installation Check

To avoid bodily injury and device damage, please check the following items before connecting the device to power.

- The device is securely installed with all the screws fastened.
- No object is placed on the device.
- All cables are correctly connected.
- The power supply is consistent with the the power indications marked on the device body.

6.2 Startup

Connect the device to power, and then the device will start up automatically.

7 Local Operations

7.1 Add IP Cameras

Before you begin, make sure that the IP cameras are conncted to the network.

7.1.1 Quick Add

Follow the wizard to the fourth step. Select the IP cameras to add in the discovered device list, and then click **Add**.

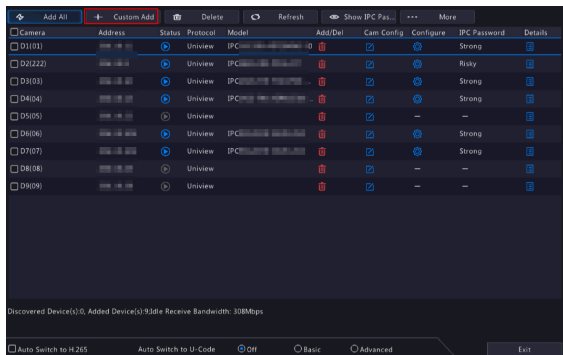


NOTE!

After the camera is added, click **OK**, and then the preview window appears. If a wrong username or password message is displayed, click  in the window toolbar, and enter the correct username and password.

7.1.2 Custom Add

1. In the preview page, right-click and select **Menu > Camera > Camera**.
2. Click **Custom Add**, enter IP address and other required information, and then click **OK**.



3. Check the status of camera.

-  means the camera is online.
- If the status icon is grayed out, place your mouse cursor over the icon to view the cause of error. Click the edit button to modify the camera information.



NOTE!

- You can also click  to add IP cameras.
- Click **Search Segment** to search for IP cameras in a specified network segment.

7.2 Playback

In the preview window, select the desired window, then right-click and select **Playback** to view video recorded on the current day.



NOTE!

- A 7*24 recording schedule is enabled by default. To set a recording schedule manually, right-click and select **Menu > Storage > Recording** and then set recording type and time based on your needs.
- If you choose the **Event** type recording, you need to enable the corresponding alarm function and configure alarm-triggered recording/snapshot first.

8 Web Login

Before you begin, check that your PC is connected to your NVR via network.

1. Open your browser, input the IP address (**192.168.1.30** by default) in the address bar, then press **Enter**.
2. On the login page, enter the username and password (**admin/123456** by default), then click **Login**.



NOTE!

- You may need to install a plug-in at your first login. Please follow the on-screen instructions to complete the installation and then open the browser again to log in.
- The default password is intended only for your first login. To ensure security, please change the password after your first login. You are strongly recommended to set a strong password of at least nine characters including all three elements: digits, letters, and special characters.

Disclaimer and Safety Warnings

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EU Authorised Representative

UNV Technology EUROPE B.V. Treubstraat 1, 2288 EG, Rijswijk, Netherlands.

If you have any feedback, please contact us at service@uniview.com.

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About This Manual

- This manual is intended for multiple product models, and the photos, illustrations, descriptions, etc. in this manual may be different from the actual appearances, functions, features, etc. of the product.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
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Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password:** You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters and special characters.
- **Keep firmware up to date:** It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit Uniview's official website or contact your local dealer for the latest firmware.

The following are recommendations for enhancing network security of your device:

- **Change password regularly:** Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- **Enable HTTPS/SSL:** Use SSL certificate to encrypt HTTP communications and ensure data security.
- **Enable IP address filtering:** Allow access only from the specified IP addresses.
- **Minimum port mapping:** Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- **Disable the automatic login and save password features:** If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.
- **Choose username and password discretely:** Avoid using the username and password of your social media, bank, email account, etc, as the username and password of your device, in case your social media, bank and email account information is leaked.
- **Restrict user permissions:** If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- **Disable UPnP:** When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- **SNMP:** Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.
- **Multicast:** Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- **Check logs:** Check your device logs regularly to detect unauthorized access or abnormal operations.
- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **Isolate video surveillance network:** Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.

Learn More

You may also obtain security information under Security Response Center at Uniview's official website.

Safety Warnings

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Do not remove the seal from the device body without consulting Uniview first. Do not attempt to service the product yourself. Contact a trained professional for maintenance.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Use Caution

- When battery is used, avoid:
Extremely high or low temperature and air pressure during use, storage and transportation.
Battery replacement.
- Use the battery properly. Improper use of the battery such as the following may cause risks of fire, explosion or leakage of flammable liquid or gas.
Replace battery with an incorrect type;
Dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery;
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.

Avertissement de l'utilisation de la batterie

- Lorsque utiliser la batterie, évitez:
Température et pression d'air extrêmement élevées ou basses pendant l'utilisation, le stockage et le transport.
Remplacement de la batterie.
- Utilisez la batterie correctement. Mauvaise utilisation de la batterie comme celles mentionnées ici, peut entraîner des risques d'incendie, d'explosion ou de fuite liquide de gaz inflammables.
Remplacer la batterie par un type incorrect;

Disposer d'une batterie dans le feu ou un four chaud, écraser mécaniquement ou couper la batterie;

- Disposer la batterie utilisée conformément à vos règlements locaux ou aux instructions du fabricant de la batterie.

Regulatory Compliance

FCC Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Visit https://global.uniview.com/Support/Download_Center/Product_Installation/Declaration/ for SDoC.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

LVD/EMC Directive



This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive-2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Regulation- (EU) 2023/1542



Battery in the product complies with the European Battery Regulation (EU) 2023/1542. For proper recycling, return the battery to your supplier or to a designated collection point.