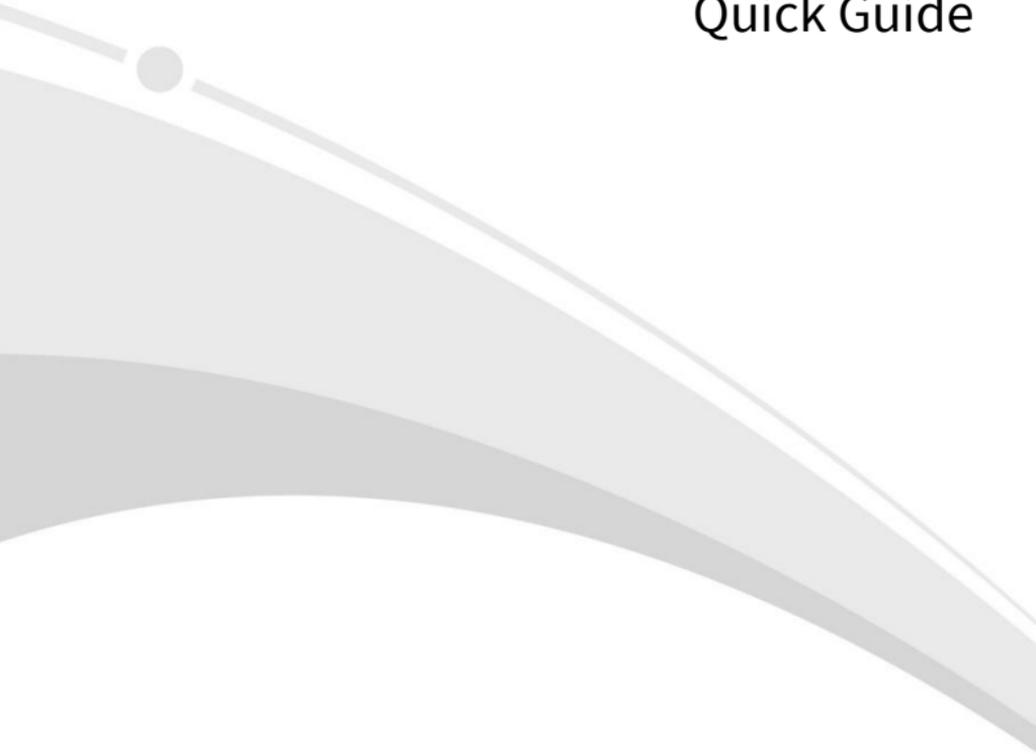


# Network Video Recorders

## Quick Guide



V2.04

# Preface

The content of this section is designed to ensure that users use the product correctly to prevent dangers or property loss caused by improper operation. Before using this product, be sure to read this manual carefully. Please keep this manual properly for future reference.

## About This Manual

- We recommend that you use this manual under the guidance of a professional.
- This manual is designed for use with multiple product models, and it is not possible to list the appearance and functions of each product individually. Please refer to the actual product for use.
- 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.
- Despite our best efforts, technical or typographical errors may exist in this manual. Uniview cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.
- Users are fully responsible for the damages and losses that arise due to improper operation.
- Uniview reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.
- This manual will be updated in real time according to the laws and regulations of the relevant regions. For specific details, please refer to the product's paper copy, QR code, or official website. In case of any discrepancy between the paper copy and the electronic version, the electronic version shall prevail.

## About This Product

If the product you have chosen is a video product, please strictly adhere to the applicable laws and regulations. You can visit our official website to inquire about the relevant content.

## Instructions for Use

- This document serves as a guide for use only. All statements, information, and suggestions contained in this document do not constitute any express or implied warranty.
- We assume no responsibility for any special, incidental, consequential, or indirect damages resulting from the use of this manual or the use of our products, including but not limited to losses due to loss of business profits, data or document loss, and product malfunction or information leakage caused by cyber-attack, hacker attack, and virus infections.
- Due to uncertain factors such as the physical environment, there may be discrepancies between the actual values of some data and the reference values provided in the manual. In case of any questions or disputes, the company's final interpretation shall prevail.

## Formatting Conventions

The UI formatting conventions used in this document are as follows:

Format	Meaning
Bold	Bold means UI elements (button names, menu names, window names, etc.), e.g., Click <b>Save</b> .
>	Indicate a sequence of actions, e.g., click Device Management > Add Device, which means first click Device Management, and then click Add Device.

## Symbol Conventions

This document uses various distinctive symbols to highlight areas that require special attention during the operation process. The meanings of these symbols are as follows:

Symbol	Meaning
	NOTE: Provides tips and additional information related to the operation and use of the product.
	CAUTION: Alerts to matters that requires attention during operation, as improper handling may lead to product damage, data loss, or functional abnormalities.
	WARNING: The annotations following this symbol demand extra attention, as improper handling could potentially cause personal injury.

## Legal Statement

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## Export Compliance Statement

Uniview complies with applicable export control laws and regulations worldwide, including that of the People's Republic of China and the United States, and abides by relevant regulations relating to the export, re-export and transfer of hardware, software and technology. Regarding the product described in this manual, Uniview asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

## 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](mailto:service@uniview.com).

## Disclaimer of Liability

- We assume no responsibility and offer no compensation for any special, incidental, consequential, or indirect damages resulting from the use of this manual or our products, including but not limited to losses related to lost business profits, data, or document loss.
- The product described in this manual is provided on an "as is" basis. Unless required by applicable law, this manual is only for informational purpose, and all statements, information, and recommendations in this manual are presented without warranty of any kind, expressed or implied, including, but not limited to, merchantability, satisfaction with quality, fitness for a particular purpose, and noninfringement.
- Users must assume total responsibility and all risks for connecting the product to the Internet, including, but not limited to, network attack, hacking, and virus. Uniview strongly recommends that users take all necessary measures to enhance the protection of network, device, data and personal information. Uniview disclaims any liability related thereto but will readily provide necessary security related support.
- To the extent not prohibited by applicable law, in no event will Uniview and its employees, licensors, subsidiary, affiliates be liable for results arising out of using or inability to use the product or service, including, not limited to, loss of profits and any other commercial damages or losses, loss of data, procurement of substitute goods or services; property damage, personal injury, business interruption, loss of business information, or any special, direct, indirect, incidental, consequential, pecuniary, coverage, exemplary, subsidiary losses, however caused and on any theory of liability, whether in contract, strict liability or tort (including negligence or otherwise) in any way out of the use of the product, even if Uniview has been advised of the possibility of such damages (other than as may be required by applicable law in cases involving personal injury, incidental or subsidiary damage).
- To the extent allowed by applicable law, in no event shall Uniview's total liability to you for all damages for the product described in this manual (other than as may be required by applicable law in cases involving personal injury) exceed the amount of money that you have paid for the product.
- When using this product, please strictly adhere to the applicable laws and regulations to avoid infringing upon the rights of third parties, including but not limited to intellectual

property rights, data rights, or other privacy rights. You must also not use this product for the purposes of developing or facilitating the use of weapons of mass destruction, biological or chemical weapons, nuclear weapons, or for any other purposes that violate international norms and regulations.

## Privacy Protection Reminder

Uniview complies with appropriate privacy protection laws and is committed to protecting user privacy. You may want to read our full privacy policy at our website and get to know the ways we process your personal information. Please be aware, using the product described in this manual may involve the collection of personal information such as face, fingerprint, license plate number, email, phone number, GPS. Please abide by your local laws and regulations while using the product.

## Safety Precautions

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 Safety

Please use batteries properly; otherwise, there is a risk of fire or explosion.

- **Warning:** Using incorrect battery models can lead to explosion.
- If you need to replace the battery, it is recommended that you go to an authorized service center or have it replaced under professional supervision. We shall not be held responsible for any issues arising from unauthorized battery replacement.
- When replacing the battery, be sure to use a battery of the same type as the original! Using the wrong model for replacement (such as certain types of lithium batteries) may cause safety protection to fail.
- Batteries must not be exposed to overheat environments such as sunlight, fire, as this may lead to fire, explosion, or combustion.
- Do not dispose of batteries in fire or heating appliances. Do not squeeze, bend, or cut batteries, as it may cause explosion.
- Do not expose batteries to extremely high or low temperatures, or to very low-pressure environments, as this may cause explosion or leakage of flammable liquid/gas.
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.
- For products or the included remote control containing a button cell battery: Do not ingest the battery - chemical burn hazard! If swallowed, a button cell battery can cause severe internal burns within 2 hours and may be fatal. Precautions (including but not limited to):
  - Keep new and used batteries away from children.
  - Stop using the product and keep it away from children if the battery compartment is not securely closed.
  - If you suspect that a battery may have been swallowed or inserted inside any part of the body, seek immediate medical attention.

## 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.
  - Do not include the account name or the reverse of the account name.
  - Avoid using consecutive characters, such as 123, abc, etc.
  - Do not use overlapping characters, such as 111, aaa, etc.
- **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.

## 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/](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.

# 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 <sup>(1)</sup>	6	PCS
5*	Mouse	1	PCS
6	Screw	1	Set
7	Power adapter	1	PCS
8	Product documents	1	Set

## Remarks:

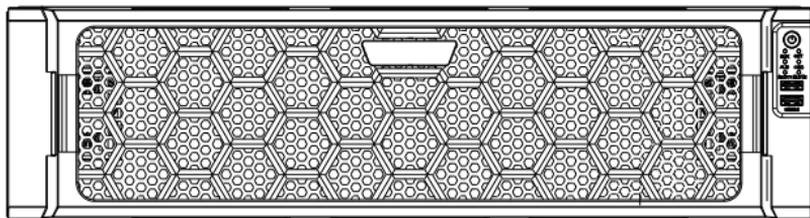
\* means optional and supplied with certain models only.

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

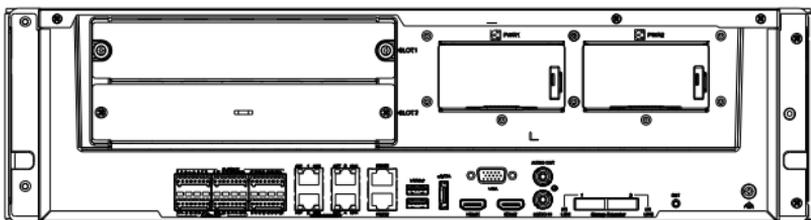
# 2 Appearance

The actual appearance may vary with device model.

## Front view

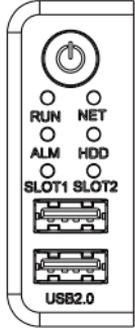


## Rear view



## 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	

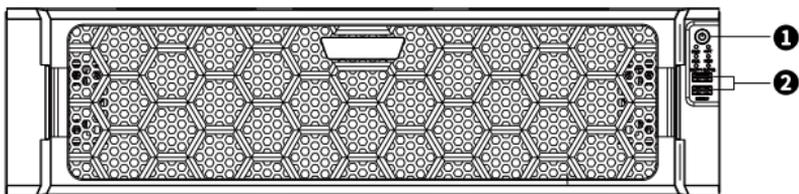
### 3.2 Rear Panel

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

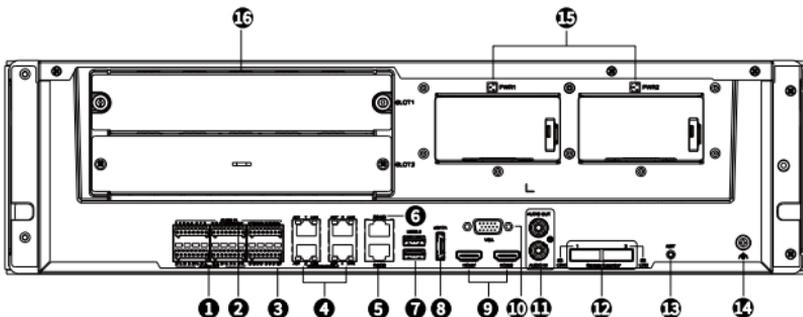
Indicators	Status	Description
	Steady yellow	Disconnected from power due to abnormal failure.
	Blinking yellow	Abnormal alarm occurs, such as overcurrent, overtemperature, overvoltage, undervoltage, etc.
LINK	Steady on	Connected to disk enclosure.
	Blinking	Communicating with disk enclosure.

## 4 Interfaces

The interface may vary with device model.



Interface	Description
1	Power on/off. <b>NOTE:</b> 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. <b>CAUTION!</b> 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.
15	100V to 240V AC input, used to connect power supply. <b>NOTE:</b> 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.



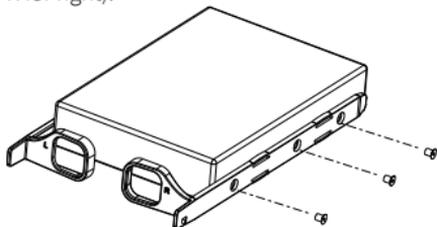
## CAUTION!

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

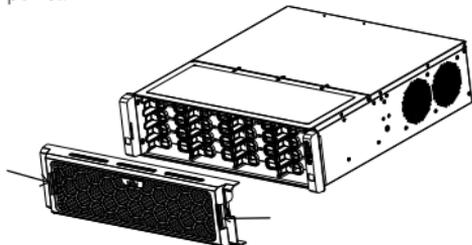
## 5.2 Install Hard Disks

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

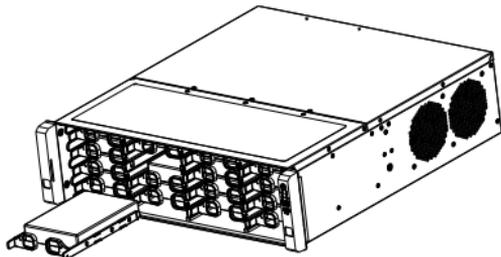
1. Use the Phillips screwdriver to fix the disk to the mounting brackets (L for left and R for right).



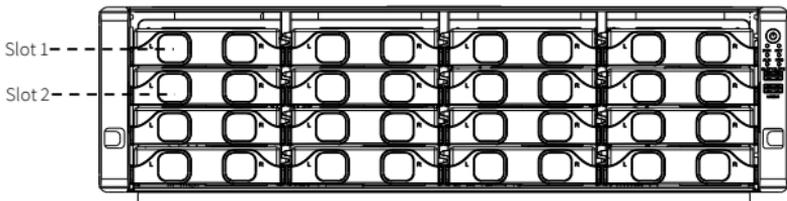
2. Press the snap buttons on both sides of the front panel, and remove the front panel.



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

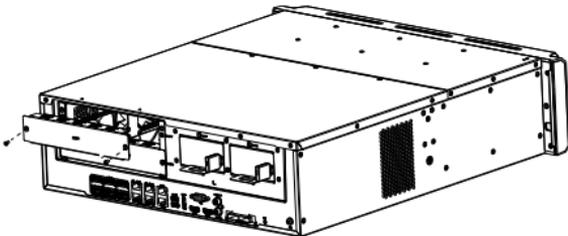


### **NOTE!**

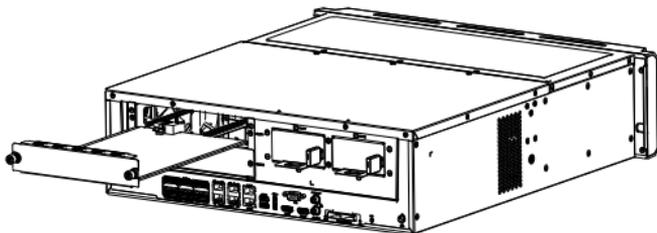
Certain devices are delivered with a smart expansion card installed; it is not recommended to unplug the smart card from the device.

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.



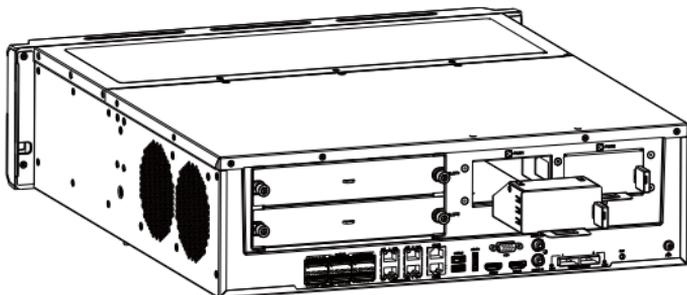
2. Push the expansion card slowly into the card slot .



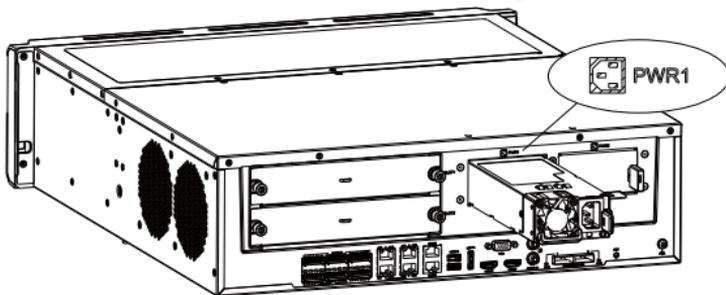
3. Fasten the screws of the expansion card.

## 5.4 Install Power Module

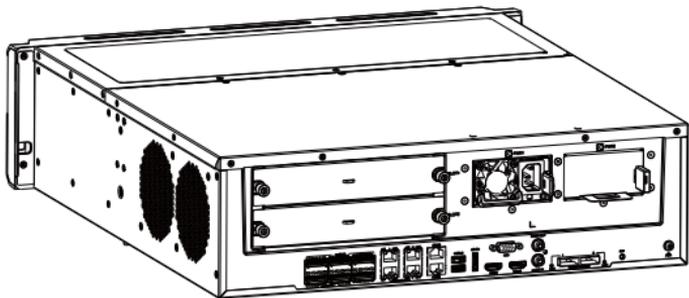
1. With your palm facing up, press and hold the spring snap with your thumb, insert your index and middle fingers into the handle, and then pull out the power panel.



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

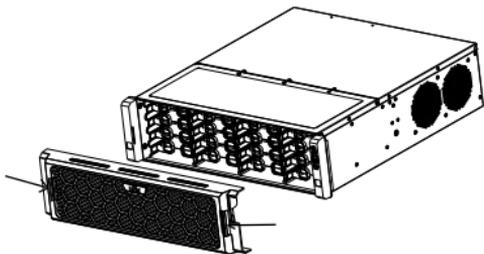
The device can fit in a 19-inch cabinet. The illustrations below are for reference only.



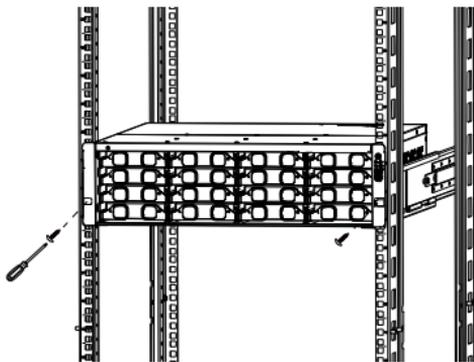
#### **CAUTION!**

- 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 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.