

Video Wall Controller

Quick Guide

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	Video Wall Controller	1	Set
2	Power cable	1	PCS
3	Grounding cable	1	PCS
4	Mounting bracket	1	Pair
5	Product documents	1	Set

2 Product Overview

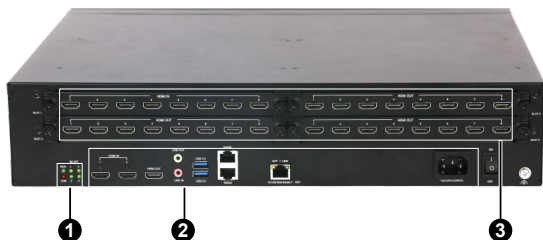
Device appearance may vary with device model. The following figures are for illustration purpose only.

2.1 Appearance

1 Front View



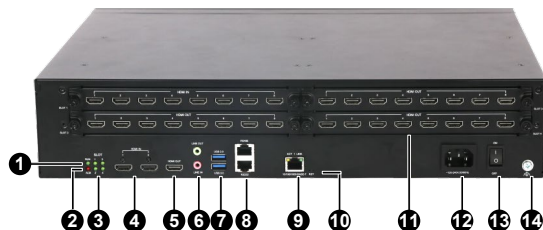
2 Rear View



1. Indicator	2. Device interface	3. Service board slot
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2.2 Rear Panel Interfaces and Service Boards

1 Rear Panel Interfaces



No.	Name	Description
1	RUN indicator	<ul style="list-style-type: none">● Blinking: The device is starting up.● Steady on: The device runs normally.● Off: The device is powered off.
2	ALM indicator	<ul style="list-style-type: none">● Steady on: Alarm.● Off: No alarm.

No.	Name	Description
3	Service board status indicator	<ul style="list-style-type: none"> ● Blinking: The service board is starting up. ● Steady on: The service board is running normally. ● Off: There is no service board detected by the system.
4	HDMI input interface	HDMI video signal input.
5	HDMI output interface	Reserved interface.
6	Audio input/output interface	Supports audio input/output (supports stereo).
7	USB interface	1 × USB 3.0; 1 × USB 2.0.
8	Serial interface	RS232/RS485 interface.
9	Network interface	One 10/100/1000 BASE-T adaptive Ethernet interface.
10	Reset key	<ul style="list-style-type: none"> ● Press and hold for 1 to 5s (alarm indicator is steady on) to restart the device ● Press and hold for over 5s (alarm indicator is flashing) to restore factory settings, and then the device will restart (alarm indicator is off)
11	Service board slot	Up to four service boards are allowed; supports mixed insertion.
12	Power interface	Connect to the power supply with reference to the marked voltage range.
13	Device switch	Turn on/off the device after power-on.
14	Grounding screw	Used to ground the device via a grounding cable.

2 Service Boards

The device has 4 service board slots that can be used to expand different types of

video input/output interfaces to input video signals to the host or output the video signal to the display device. The service boards can be used freely in accordance with the actual application.

The following figure takes the 4-channel HDMI output board as an example. Please refer to the actual product for details.



No.	Name	Description
1	HDMI output interface	4 × HDMI video signal output interface
2	Captive screw	Used for fixing the service board to the control board

3 Hardware Installation



WARNING!

- Be sure to disconnect power before installation, and wear an ESD wrist strap or gloves during installation to prevent personal injury or device damage.
- Do not open the device cover by yourself. If necessary, please contact our local agent. Otherwise, we shall not be responsible for any consequences arising therefrom.

3.1 Check Before Installation

1 Check installation site

The device is for indoor use only, and must meet the lightning protection and grounding requirements.

- The installation environment must meet the lightning protection requirements, and the device shall be equipped with a lightning protector where necessary.
- Make sure the power supply to be connected meets the requirements indicated on the device and the voltage is stable.
- Make sure the device is reliably grounded.

2 Check installation tools

You need to prepare the following tools:

- Phillips screwdriver
- ESD wrist bands or gloves

3.2 Install the Device

3.2.1 Mount the Device into a Cabinet

Plan the space in the cabinet based on the device height (2U). If the cabinet is equipped with a tray, preferentially use the tray. Otherwise, purchase a bracket slide rail from our company.

Check the grounding and stability of the cabinet, and confirm that the load-bearing capacity of the cabinet meets the device requirements and no obstacles in and around the cabinet that may affect installation.

Before installing the device in a 19-inch cabinet, check the following items:

- The cabinet is properly grounded and stably installed.
- The load-bearing capacity of the cabinet meets the device requirements and no obstacles in and around the cabinet that may affect installation.
- The cabinet is not equipped with a glass door.
- The cabinet is supported by brackets, not wheels.
- The device is installed in the lower part of the cabinet if possible.

3.2.2 Place the Device on a Workbench

If no cabinet is available, you can place the device on a clean workbench.

Before installation, check the following items:

- The workbench is firm enough to bear the weight of the device and cables.
- The workbench is stable and properly 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 the device or put other objects onto the device.

3.3 Install Service Boards

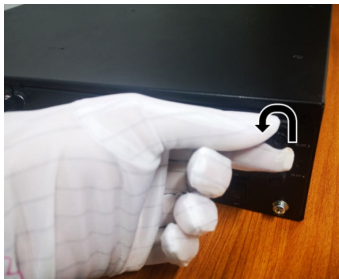


NOTE!

- Before installation, be sure to wear ESD wrist bands or gloves.
- A service board can be inserted into any board slots.
- The installation steps of all service boards are similar. The following takes the installation of one board as an example for illustration.

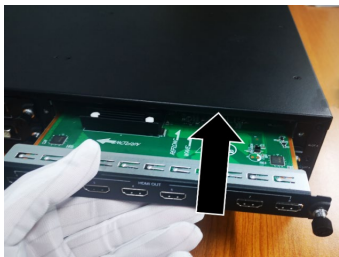
1. Remove the filler panel.

Loosen the captive screws on the filler panel, and remove the panel.



2. Install the service board.

Align the board with the slot, and push the board in gently to keep both sides parallel.



3. Fix the service board.

Push the board down to the slot, and tighten the captive screws clockwise.



3.4 Connect the Power Cable



4 Startup/Shutdown

4.1 Startup

Connect the device to the power, and turn on the power switch.



CAUTION!

- Before connecting the power supply, ensure that the grounding cable is properly connected.
- The full load power of the device is no more than 100W. Ensure that the power supply meets the device requirements.

4.2 Shutdown

Turn off the power switch, and disconnect the device from the power.

5 Web Login

Default IP address:

192.168.1.14

**Default
username/password:**

admin / 123456

Note:

For security, please set a strong password of at least nine characters including uppercase and lowercase letters, digits, and special characters. You are strongly recommended to regularly change the device password and keep it secure to ensure that only authorized users can log in.

Disclaimer and Safety Warnings

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- 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 http://en.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.