ViewZ®

High Definition Video Decoder

Quick Guide

V1.01

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	High definition video decoder	1	PCS
2	Power cable	1	PCS
3	Ground cable	1	PCS
4	Mounting bracket	1	Pair
5	Screw	4	PCS
6	Phoenix terminal	2	PCS
7	Product documents	1	Set

2 Overview

This guide applies to various products, and the appearance may vary with device model.

2.1 Dimensions

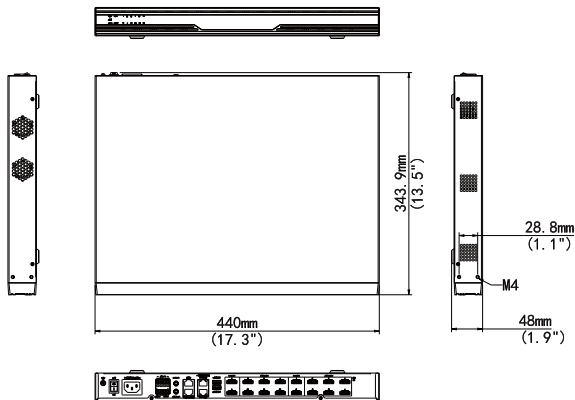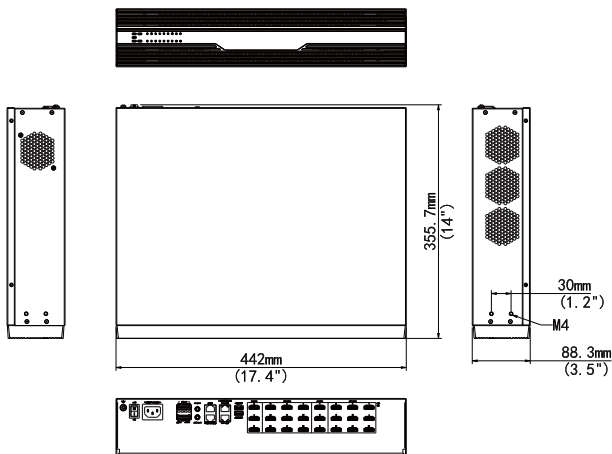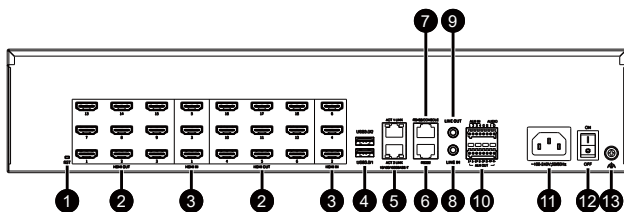### Figure 2-1 Model 1 (Height: 1 Rack Unit)

Figure 2-2 Model 2 (Height: 2 Rack Units)

355.7mm
(14")

30mm
(1.2")
M4

442mm
(17.4")

88.3mm
(3.5")

2.2 Interfaces/Buttons

No.	Interface/Button	Description
1	RST	Reset button ● 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)
2	HDMI OUT	HDMI video output interface, connects the display device for video signal output, such as display screen, video wall, etc.
3	HDMI IN	HDMI video input interface, connects the video source device for video signal input, for example PC
4	USB (reserved)	USB interface.
5	Network interface	Connect to the network device (for example, switch) for network access, used to log in to the device's Web interface, receive video signals in the LAN, etc. ● ACT indicator ➢ Blinking yellow: Data is transmitting ➢ Off: No data transmission ● LINK indicator ➢ Steady green: Connected to the network ➢ Off: Disconnected from the network
6	RS232	RS232 interface, connects the central control device or LCD video wall, which allows to control the device via the central control device, or turn on/off the LCD screens via the device

No.	Interface/Button	Description
7	RS485/CONSOLE	• RS485: RS485 interface, connects the central control device or LED video wall, which allows to control the device via the central control device, or turn on/off the LED screens via the device • CONSOLE: Test interface, connects the PC for device test and maintenance
8	LINE IN (reserved)	Audio input interface
9	LINE OUT	Audio output interface, connects the audio playing device for audio output, for example, speaker
10	Phoenix terminal (reserved)	Install phoenix terminals, connects the corresponding cables of external devices
11	Power interface	Connect to the power supply with refference to the marked voltage range
12	Power switch	Turn on/off the device after power-on
13	Grounding screw	Used to ground the device via a grounding cable

2.3 Indicators

(RUN) (ALM)   ① ③ ⑤ ⑦ ⑨ ⑪ ⑬ ⑮ ⑰
(USB)
(NET1) (NET2)   ② ④ ⑥ ⑧ ⑩ ⑫ ⑭ ⑯ ⑱

Indicator	Status	Description
RUN	Blinking	Starting up
	Steady on	Normal operation
	Off	Shutdown
ALM	Steady on	Device alarm occurred
	Off	No alarm
USB (Reserved)	Steady on	Connected to the USB interface
	Off	No connected USB device

Indicator	Status	Description
NET1 and NET2	Steady on	Connected to the network
	Off	Disconnected from the network
Digits	Steady on	Connected to the HDMI OUT port
	Off	No connected HDMI output device

3   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 Prepare Installation Tools
- Screwdriver
- ESD wrist strap or gloves

2 Check Installation Site
- The device can only be installed indoors. Make sure that the operating temperature is -10°C to 55°C and the operating humidity is 10%RH to 90%RH (noncondensing).
- 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.
- Allow at least 10cm around the device for heat dissipation. Do not place a heat source within 50cm in front of the air inlet (on the power interface side).

3.2 Install the Device

You can place the device on a clean workbench or install it in a cabinet.

3.2.1 Install the Device on a Workbench

Place the device on a clean workbench. Please do not stack the device or put other objects onto the device.
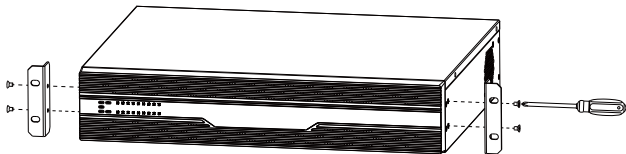
3.2.2 Install the Device in a Cabinet

Check the following items before installation:

- The cabinet is well grounded and secured, and the load-bearing capacity of the cabinet meets the device requirements.
- There are 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.
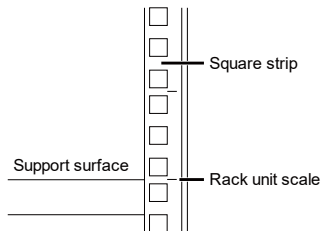
1 Install Mounting Brackets

1. Align the countersunk holes of the mounting brackets with the screw holes on the side of the device.
2. Fix the mounting brackets onto the device with 4 supplied screws.

2 Install the Device

1. Fix the tray onto the cabinet, and make sure that the support surface is aligned with the rack unit scale marked on the square strip.
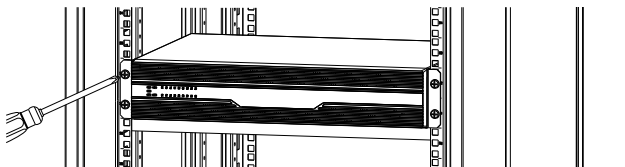
2. Insert the 4 floating nuts into the holes of square strips.
3. Place the device on the tray, push it gently into the cabinet, and align the screw holes on the mounting brackets with the floating nuts on the square strips.
4. Insert the 4 screws into the mounting bracket holes, and fix the device onto the cabinet.
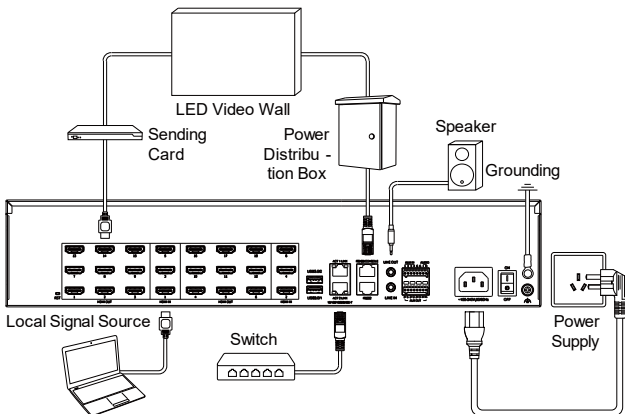
> ⓘ **CAUTION!**
>
> The tray is used to support the device. Make sure that the device is placed on the tray and it is not allowed to fix the device with the mounting brackets only.

3.3 Connect Cables

The wiring dirgram below is for reference only. Please refer to the interface description and connect cables or other devices according to actual requirements.

3.4 Verify After Installation

After installation, to ensure your personal safety and prevent device damage, please check the following items:

- The device is stably installed. All screws are installed and tightened.
- The device is grounded properly and all cables are connected correctly.

4 Startup

Connect the device to the power supply, and turn on the power switch to start it up.

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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EU Authorised Representative

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- 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 **ViewZ**'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 **ViewZ**'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 **ViewZ** 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.

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

CE   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.