



High Definition Video Decoder

Quick Guide

1 Packing List

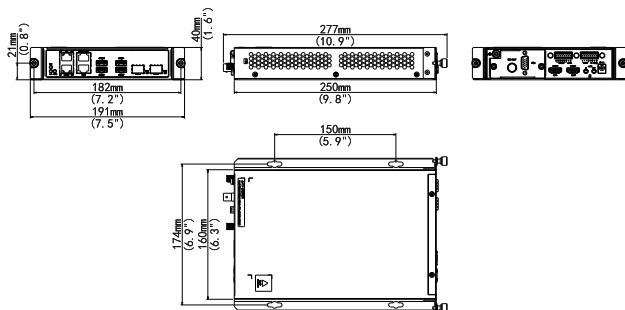
Contact your local dealer if the package is damaged or incomplete. The package contents may vary with device model.

No.	Name	Qty	Unit
1	Decoder	1	PCS
2	Power adapter	1	PCS
3	Power cable	1	PCS
4	Grounding cable	1	PCS
5	Phoenix terminal	2	PCS
6	Mounting bracket	1	Pair
7	Screw	4	PCS
8	Product documents	1	Set

2 Overview

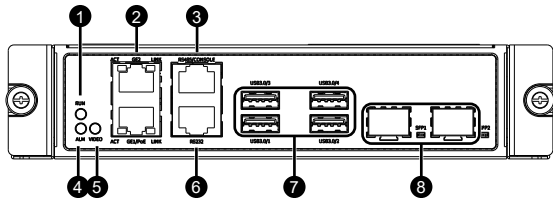
This guide applies to a variety of products. The illustrations are for reference only and may be different from the actual device.

2.1 Dimensions



2.2 Interfaces/Buttons/Indicators

2.2.1 Front View



No.	Interface/Indicator	Description
1	RUN	RUN indicator ● Blinking green: The device is starting up. ● Steady green: The device runs normally. ● Off: The device is shut down.
2	GE/PoE	Gigabit copper interface, connects 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. NOTE: GE1 supports both PoE power supply and data transmission.

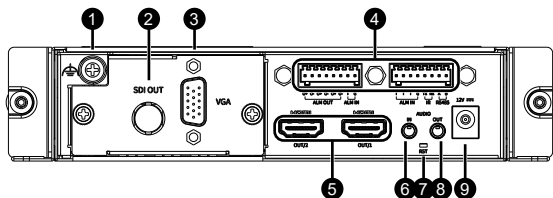
No.	Interface/Indicator	Description
3	RS485/CONSOLE	● RS485: RS485 interface, connects the central control device or LED video wall, which allows to control the device via the central control device, or turn on/off the LED screens via the device ● CONSOLE: Test interface, connects the PC for device test and maintenance.
4	ALM	ALM indicator ● Steady red: Device alarm. ● Off: No device alarm.
5	VIDEO	VIDEO indicator ● Steady green: Video decoding is in progress. ● Off: No video decoding.
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
7	USB (reserved)	USB 3.0 interface.
8	SFP	Gigabit optical interface, connects 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. SFP indicator ● Steady green: Optical connection established. ● Off: No optical connection.



NOTE!

At a given time, only one of the interfaces can be used: GE1, GE2, or SFP. They cannot be used simultaneously.

2.2.2 Rear View



No.	Interface/Button	Description
1		Grounding screw, Used to ground the device via a grounding cable.
2	SDI OUT	SDI video output interface, connects the display device for video signal output, such as display screen, video wall, etc.
3	VGA	VGA video output interface, connects the display device for video signal output, such as display screen, video wall, etc.
4	Phoenix terminal (reserved)	Install phoenix terminals, connects the corresponding cables of external devices.
5	HDMI OUT	HDMI video output interface, connects the display device for video signal output, such as display screen, video wall, etc.
6	AUDIO IN (reserved)	3.5mm audio input interface.
7	RST	Reset key ● Press this key to restart the device. ● Press and hold this key for more than 5 seconds to restore factory settings and restart the device.
8	AUDIO OUT	3.5mm audio output interface, connects the audio playing device for audio output, for example, speaker.

No.	Interface/Button	Description
9	12V 	Power interface, connects to the power supply with reference to the marked voltage range



NOTE!

The SDI, VGA, HDMI 1, and HDMI 2 video output interfaces can output the same video contents on different display devices.

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 product can only be installed indoors. Make sure that the operating temperature is 0°C to 55°C and the operating humidity is 5%RH to 95%RH without condensing.
- 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 space at the front and back sides and at least 5cm space at the left and right sides of the device for heat dissipation.

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.

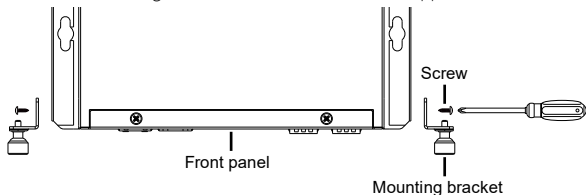
3.2.2 Install the Device in a Cabinet

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.

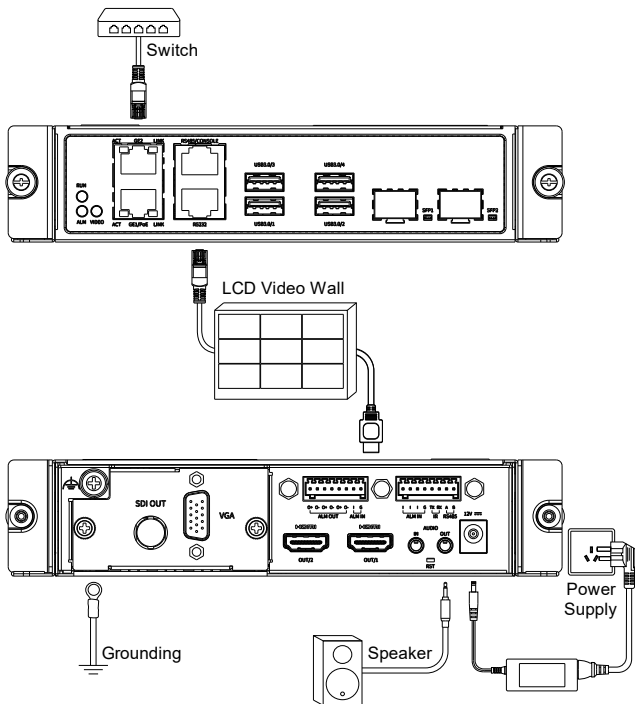


2 Install the Device

You can purchase our holder or power supply box to install the device to the cabinet. Refer to the corresponding information for details.

3.3 Cable Connection

The wiring diagram 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 one end of the power adapter to the power connector of the device and the other end to the power supply to start up the device.

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

Copyright Statement

No part of this manual may be copied, reproduced, translated or distributed in any form or by any means without prior consent in writing from our company (referred to as us hereafter).

The product described in this manual may contain proprietary software owned by our company and its possible licensors. Unless permitted, no one is allowed to copy, distribute, modify, abstract, decompile, disassemble, decrypt, reverse engineer, rent, transfer, or sublicense the software in any form or by any means.

Trademark Acknowledgements



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

All other trademarks, products, services and companies in this manual or the product described in this manual are the property of their respective owners.

Export Compliance Statement

Our company 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, our company asks you to fully understand and strictly abide by the applicable export laws and regulations worldwide.

Privacy Protection Reminder

Our company 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.

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.
- Despite our best efforts, technical or typographical errors may exist in this manual. Our company 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.
- Our company 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.

Disclaimer of Liability

- To the extent allowed by applicable law, in no event will our company be liable for any special, incidental, indirect, consequential damages, nor for any loss of profits, data, and documents.
- 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. We strongly recommend that users take all necessary measures to enhance the protection of network, device, data and personal information. Our company 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 our company 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 our company 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 our 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.

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 our 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.

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 our company 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.
- **Personal safety warnings:**
 - Chemical Burn Hazard. This product contains a coin cell battery. Do NOT ingest the battery. It can cause severe internal burns and lead to death.
 - Keep new and used batteries away from children.
 - If the battery compartment does not close securely, stop using the product and keep it away from children.
 - If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- **Avertissements de sécurité personnelle:**
 - Risque de brûlure chimique. Ce produit contient une batterie de cellules. N'ingérer pas la batterie. Si la batterie de cellule est avalée, elle peut causer de graves brûlures internes en seulement 2 heures et peut entraîner la mort.
 - Gardez les batteries nouvelles ou utilisées à l'écart des enfants.

- Si le compartiment de la batterie ne se ferme pas en toute sécurité, cessez d'utiliser le produit et gardez-le à l'écart des enfants.
- Si vous pensez que des piles ont pu être avalées ou placées à l'intérieur d'une partie du corps, consultez immédiatement un médecin.

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



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.