HYUNDAI

Network Video Decoder

HYU-CC-D6C001-L

User quick guide

GENUINE PRODUCT OF
HYUNDAI CORPORATION

- Please read this manual carefully before using the product you purchase and keep it well for future use.

- Please note that images and sketch maps in this manual may be different from the actual product.

1 Overview

This series video decoders (referred to as device in this manual) are new generation HD network video decoder terminals. The device is designed for remote video surveillance and can be widely applied in various real-time surveillance applications for monitoring videos remotely in real time.

1.1 **Packing List**

Please check the items in your package carefully. Contact your dealer if anything is missing or damaged.

No.	Name	Qty	Unit
1	Decoder	1	PCS
2	Phoenix connector terminals	2 ☐ 4 ☐	PCS
3	Mounting brackets	1	Pair
4	Quick Guide	1	Set
5	Feet	4	PCS
6	Grounding Cable	1	PCS
7	Power Cable	0 ☐ 1 ☐	PCS

1.2 **Appearance**

Figure 1-1 Front view

Table 1-1 LED description

LED	Status	Description
Running LED	Flashing	The device is starting up.
	On	The device is operating.
	Off	The device is shut down.
Alarm LED	On	At least one alarm, for example, temperature alarm, is present.
	Off	No alarm is present.
NET LED	On	A link to the Ethernet Interface is present.
	Off	No link to the Ethernet Interface is present.
No 1-9 LED (DEC)	On	The device is displaying video.
	Off	The device stops displaying video.
WIFI LED	-	Reservation.

Figure 1-2 Rear view

Table 1-2 Interface description

Interface	Quantity	Description
HDMI IN	2	HOMI video input Interface.
HDMI OUT	4 or 6 or 9	HDMI video output interface.

Interface	Quantity	Description
Ethernet interface	1	Used to connect to Ethernet to communicate with the devices on the network, to receive IP camera streams, and to be configured by the client through Web interface. 10M/100M/1000M/auto-sensing, half duplex/full duplex/auto-sensing, RJ-45 connector.
USB 3.0	1	USB 3.0 interface for upgrading equipment.
RS485	1	Serial port, used to interoperate with the connected device, for example, to transmit transparent channel data. RJ-45 connector, four wires, supporting full duplex and half duplex.
RS232	1	Serial interface, used to debug and maintain the device. RJ-45 connector.
ALM IN	6	The alarm input.
ALM OUT	3	The alarm output.(RCA)
LINE IN	1	Channel audio input.
LINE OUT	1	Track audio output.
RST	1	Short press to restart,long press 5s to restore factory Settings.

2 Installing the Device

2.1 **Preparation**

2.1.1 **Checking the Device Package**

Before you install the device, verify the device model and check the components and their quantity against the packing list to make sure all items listed are included in the package.

⚠️ **WARNING!**

Do not remove the dismantlement-preventive seal from the device chassis cover without permission. To open the chassis, contact your dealer. Otherwise, we shall not be held liable for any consequence caused thereby.

2.1.2 **Checking the Installation Environment**

The device can be installed indoors only, and must meet the following requirements:

● Use correct lightning protection devices for the device power source, audio/video signals, and RS-485 interfaces.

● Ground the device correctly through the grounding screw.
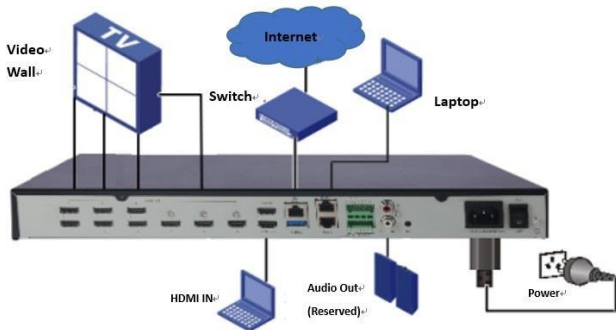
2.2 **Starting Up the Device**

After the cables are connected, connect the device with the power source, and start up the device. Examine the device status according to Table 1-1.

3 Logging In to and Out of the Device

You can manage and maintain the device through the Web interface.

Before you log into the device, verify that:

● The device is operating correctly.

● The network connection between the PC and the device is normal.

● The PC is installed with Microsoft Internet Explorer 7.0 or higher.

● The browser on PC is not configured with the proxy server.

The default IP address of the device is 192.168.1.14, the subnet mask is 255.255.255.0, and the default gateway is 192.168.1.1.

For the first login, use **admin** as the username and 123456 as password.

To log into the Web interface:

1. Use the IE browser on your PC to visit the IP address of the device.

2. On the login page, enter your username and password to access the Web

   interface.

You can select a menu item on the Web interface and select a tab to enter the corresponding configuration page.

For information about the initial configuration and other parameter configurations,

see the online help by clicking the **Help** menu.

For the first login, you are recommended to change the default login password by selecting **Change Password**.

To log out of the device, you can click the **Exit** menu and confirm your operation to return to the login page.

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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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● 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 recommends 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.

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● 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

- Installation and use of the device must be 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:
  - ➢ High or low extreme temperatures during use, storage and transportation;
  - ➢ Extremely low air pressure, or low air pressure at high altitude.
- 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;

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 Directive-2013/56/EC

Battery in the product complies with the European Battery Directive 2013/56/EC. For proper recycling, return the battery to your supplier or to a designated collection point.

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