

UNV
UNV Display
ADU87XX High
Definition Video
Decoder



UNV Display ADU87XX High Definition Video Decoder User Guide

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UNV Display ADU87XX High Definition Video Decoder



Specifications

- High Definition Video Decoder
- Model: V1.02
- Power Input: AC 100-240V
- Interfaces: HDMI OUT, HDMI IN, RST, Phoenix terminal, Network interface, RS485, RS232, LINE OUT, LINE IN, USB, Power interface
- Indicators: RUN, ALM, USB, WIFI, NET1, NET2

Product Usage Instructions

Overview

This high definition video decoder is a versatile device with various interfaces and buttons for seamless video decoding and output.

Interfaces/Buttons

- **HDMI OUT:** Connects the display device for video signal output.
- **HDMI IN:** Connects the video output device for video signal input.
- **RST:** Reset button for device restart and factory settings restoration.
- **Phoenix terminal:** Connects corresponding cables of external devices.
- **Network interface:** Used for network access and device Web interface login.
- **RS485:** Interface for central control device connection.
- **RS232:** Interface for central control device connection.
- **LINE OUT:** Audio output interface for connecting audio playing devices.
- **LINE IN:** Reserved audio input interface.
- **USB:** Reserved USB interface.
- **Power interface:** Connects to the power supply within the marked voltage range.

Indicators

RUN: Indicates device status – blinking during startup, steady on during normal operation.

ALM: Indicates device alarm status.

USB, WIFI, NET1, NET2: Various indicators for USB connection, Wi-Fi availability, and network status.

Installation

WARNING

- Disconnect power before installation.
- Wear ESD wrist strap or gloves to prevent personal injury or device damage.
- Do not open the device cover without contacting the agent.

Frequently Asked Questions (FAQ)

Q: What should I do if the device cover needs to be opened?

A: Contact the local agent for assistance. Opening the cover without proper authorization may void warranty and cause damage.

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	Phoenix terminal	2	PCS
6	Product documents	1	Set

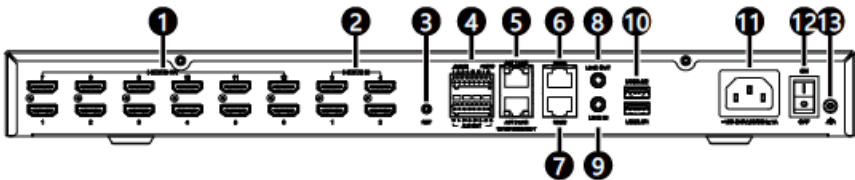
Overview

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

Appearance



interfaces/Buttons



No.	Interface/Button	Description
1	HDMI OUT	HDMI video output interface, connects the display device for video signal output, such as display screen, video wall, etc.

No.	Interface/Button	Description
2	HDMI IN	HDMI video input interface, connects the video output device for video signal input, for example PC
3	RST	Reset button <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)
4	Phoenix terminal (reserved)	Install phoenix terminals, connects the corresponding cables of external devices
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. LINK indicator: Steady green indicates that the network is connected ACT indicator: Blinking yellow indicates that there is data transmission
6	RS485	RS485 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 Connects the PC for device test and maintenance
7	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
8	LINE OUT	Audio output interface, connects the audio playing device for audio output, for example, speaker
9	LINE IN (reserved)	Audio input interface

No.	Interface/Button	Description
10	USB (reserved)	USB interface.
11	Power interface	Connect to the power supply with reference 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

Indicators

Indicator	Status	Description
RUN	Blinking	Starting up
	Steady on	Normal operation
	Off	Shutdown
ALM	Steady on	Device alarm occurred
	Off	No alarm
USB	–	Reserved
WIFI	–	Reserved
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

NOTE!

The Wi-Fi indicator is only available on certain models.

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.

Check Before Installation

1. Prepare Installation Tools

- Screwdriver
- ESD wrist strap or gloves

2. Check Installation Site

1. 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% to 90% (noncondensing).
2. Make sure the power supply meets the requirements indicated on the device and the voltage is stable.
3. Make sure the device is reliably grounded.
4. Allow at least 10cm around the device for heat dissipation.

Install the Device

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

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.

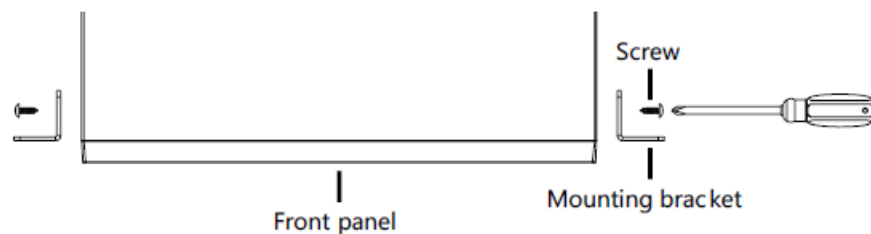
Install the Device in a Cabinet

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

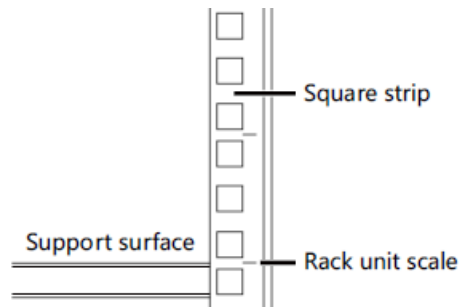
Align the countersunk holes of the mounting brackets with the screw holes on the side of the device, and then use screws to fix the brackets onto the device.



Install the Device

Plan the space and wiring in the cabinet before installation.

1. Use screws and nuts to fix the self-prepared supports (such as trays) onto the cabinet. Make sure that the support surface is aligned with the rack unit scale marked on the square strip.



2. Place the device on the support, push it gently into the cabinet, and fix the brackets to the rack with screws and nuts.

Wiring

See Interfaces/Buttons for details.

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.

Startup and Shutdown

- Startup: Connect the device to the mains supply with a power cable and turn on the power switch.
- Shutdown: Turn off the power switch or disconnect power.

NOTE!

- If the device will not be in use for a long time, shut down the device and remove the power plug.
- Do not disconnect power when the device is operating, starting up, or shutting down. Otherwise, the device may be damaged.

Web Login

Log in to the device's Web interface to perform management or maintenance operations.
The default network settings are shown in the table below and may be modified as required.

Item	Defaults
Network address	<ul style="list-style-type: none"> • IP address/subnet mask: 192.168.1.14/255.255.255.0 • Gateway: 192.168.1.1
Username	admin
Password	<p>123456</p> <p>Note:</p> <p>The default password is intended only for your first login. To ensure security, please change the password immediately 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.</p>

1. Open your browser, input the device's IP address in the address bar and then press Enter to open the login page.
2. Enter the username and password, and then click Login.

Disclaimer and Safety Warnings

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EU Authorised Representative

UNV Technology EUROPE B.V. Room 2945, 3rd Floor, Randstad 21-05 G, 1314 BD, Almere, Netherlands.

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Network Security

Please take all necessary measures to enhance your device's network security. 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.

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. his 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.

Documents / Resources

	<p>UNV Display ADU87XX High Definition Video Decoder [pdf] User Guide ADU87XX High Definition Video Decoder, ADU87XX, High Definition Video Decoder, Video Decoder, Decoder</p>
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References

- en.uniview.com/Support/Download_Center/Product_Installation/Declaration/
- [User Manual](#)

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