KVM over IP Controller

HDIP-IPC



User Manual

AV Access

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Introduction

Overview

This device is used as an A/V controller for managing and configuring encoders and decoders over IP network. It includes two Ethernet ports and two RS232 ports, offering integrated control features—LAN (Web GUI & Telnet) and RS232. Additionally, it can work with a third-party controller to control the codecs in the system.

Features

- Features two Ethernet ports and two RS232 ports.
- Provides multiple methods including LAN (Web UI & Telnet), RS232 and a third-party controller to control encoders and decoders.
- Discovers encoders and decoders automatically.

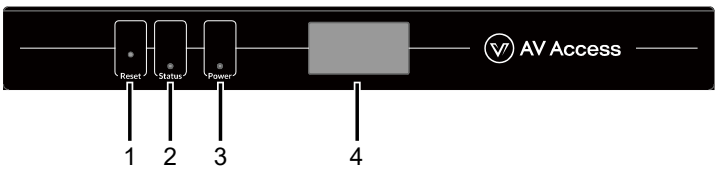
Package Contents

Before you start the installation of the product, please check the package contents:

- Controller x 1
- DC 12V 2A Power Adapter x 1
- 3.5mm 6-Pin Phoenix Male Connector x 1
- Mounting Brackets (with M2.5*L5 Screws) x 4
- User Manual x 1

Panel

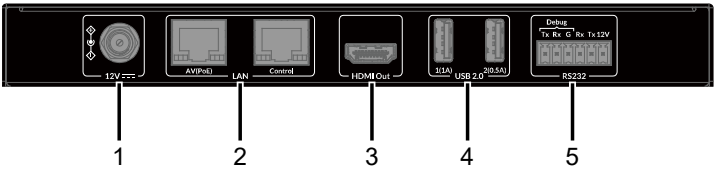
Front Panel



#	Name	Description
1	Reset	When the device is powered on, use a pointed stylus to hold down the RESET button for five or more seconds, and then release it, it will reboot and restore to its factory defaults. **Note:** When the settings are restored, your custom data is lost. Therefore, exercise caution when using the Reset button.

#	Name	Description
2	Status LED	• On: The device is working properly. • Off: The device is booting or powered off.
3	Power LED	• On: The device is powered on. • Off: The device is powered off.
4	LCD Screen	Displays the IP addresses of AV (PoE) and Control ports and the device's firmware version.

Rear Panel



#	Name	Description
1	12V	Connect to the DC 12V power adapter.
2	LAN	• AV (PoE): Connects to a network switch for communication with encoders and decoders on the same network. ➔ Default protocol: DHCP: On Link speed and duplex level: Auto detected • Control: Connects to a third-party controller for controlling, configuring and managing this controller, encoders and decoders through LAN control (Web UI & Telnet). ➔ Default protocol: IP Address: 192.168.11.243 Subnet Mask: 255.255.0.0 Gateway: 192.168.11.1 DHCP: Off Link speed and duplex level: Auto detected **Note:** ■ Only AV (PoE) port supports PoE. You can connect the device to a PoE switch for power input, eliminating the need for a nearby power outlet. ■ We would recommend that you power this device using either a power adapter or a PoE switch instead of using both them at the same time. For example, if you want to use a power adapter, ensure that PoE function of the connected LAN port on the switch is disabled or a non-PoE switch is used.
3	HDMI Out	Connect to an HDMI display and USB 2.0 peripherals to control the system.
4	USB 2.0	
5	RS232	• Left (Debug): Pins TX, RX, G are used for device troubleshooting only. Default RS232 parameters: Baud Rate: 115 200 bps

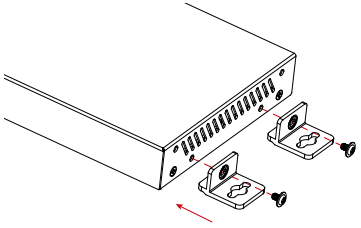
#	Name	Description
		Data Bits: 8 bits Parity: None Stop Bits: 1 • Middle (Control): Pins G, RX, TX are used for controlling, configuring and managing the device and decoders through RS232 software or a third-party controller. Default RS232 parameters: Baud Rate: 9 600 bps Data Bits: 8 bits Parity: None Stop Bits: 1 • Right (Power): Pins G, 12V are used for providing a 12 VDC 0.5 A output. Note: Please connect correct pins for device debug and control. When this device is powered by a power adapter, if you connect a control terminal to the control port after first connection with the debug port, you need to reboot this device followed by device control operation.

Installation

Note: Before installation, make sure all devices are disconnected from the power source.

Steps to install the device on a suitable location:

1. Attach the mounting brackets to the panels of both sides using the screws (two on each side) provided in the package.



2. Install the brackets on the position as desired using screws (not included).

Specifications

Technical	
Input/Output Port	1 x LAN (AV PoE) (10/100/1000 Mbps) 1 x LAN (Control) (10/100/1000 Mbps) 2 x RS232
LED Indicators	1 x Status LED, 1 x Power LED
Button	1 x Reset Button
Control Method	LAN (Web UI & Telnet), RS232, Third-party controller

General	
Operating Temperature	0 to 45°C (32 to 113°F), 10% to 90%, non-condensing
Storage Temperature	-20 to 70°C (-4 to 158°F), 10% to 90%, non-condensing
ESD Protection	Human Body Model: ±8kV (air-gap discharge)/±4kV (contact discharge)
Power Supply	DC 12V 2A; PoE
Power Consumption	15.4W (Max)
Unit Dimensions (W x H x D)	215 mm x 25 mm x 120 mm / 8.46'' x 0.98'' x 4.72''
Unit Net Weight (without accessories)	0.69kg/1.52lbs

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by AV Access) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. AV Access preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

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General Enquiry: info@avaccess.com
Customer/Technical Support: support@avaccess.com



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