4K HDMI over IP Encoder

4KIP200E



User Manual

AV Access

Introduction

Overview

This product is an AV encoder adopting the latest compression technology. It supports resolutions up to 3840x2160p@30Hz and can be controlled by VDirector App (IOS/Android/Windows version), allowing users to easily build an IP matrix or a video wall through a tablet/cellphone/PC. With easy-to-use and plug-and-play features, the encoder that works with the 4KIP200D decoder can be widely used in sports bars, conference rooms, digital signage, etc.

Features

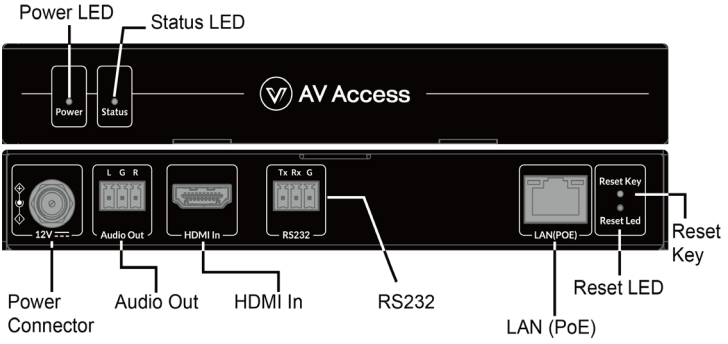
- Works easily with an Ethernet switch, no configuration is required.
- Plug and play.
- Supports visual control through a tablet/cellphone/PC.
- Supports high-efficiency video codec.
- Works with 4KIP200D decoder to build an IP matrix or a video wall easily.
- Independent RS232 routing.

Package Contents

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

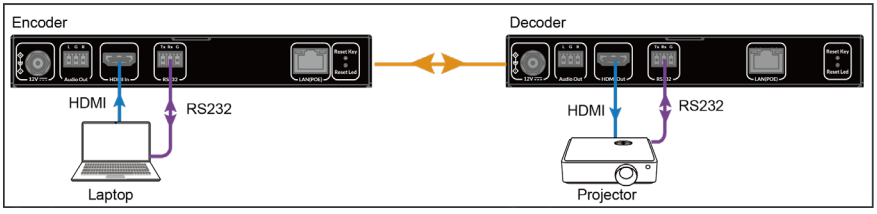
- Encoder x 1
- Power Adapter (DC 12V 1A) x 1
- Phoenix Male Connectors (3.5 mm, 3 Pins) x 2
- Mounting Brackets (with Screws) x 2
- User Manual x 1

Panel

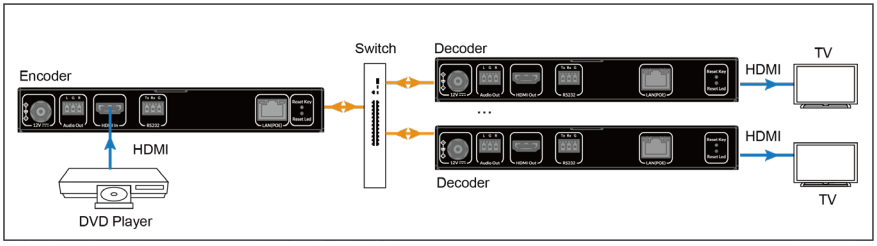


Application

a. 1 – 1: Extender



b. 1 – n: Splitter



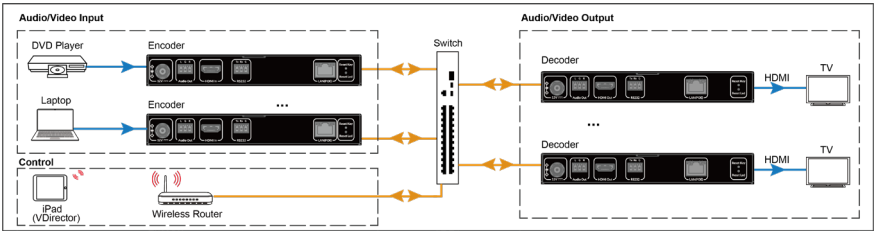
c. m - n: Matrix/Video Wall

Take IOS version for example, to configure matrix and video wall, perform the following:

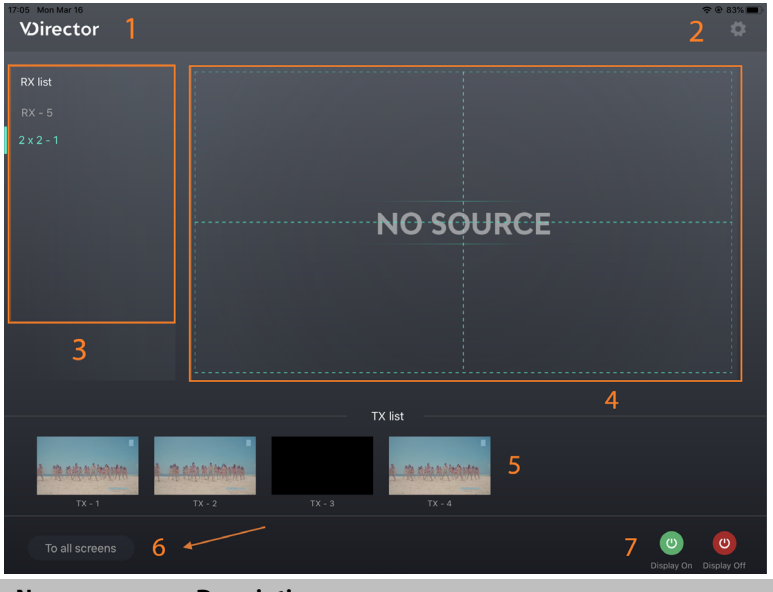
1) Scan the QR code on the right or visit Apple App Store to search, download and install VDirector App with your iPad. **(Note:** to get Android version, please visit Google Play Store; to get Windows version,

please visit www.avaccess.com)

2) Connect all encoders, decoders and the wireless router to the network switch according to the following diagram shown:



3) Configure the wireless router properly, and then connect your iPad to the Wi-Fi network. Launch VDirector on iPad, it will start searching for online devices, and the following main screen will appear:



No.	Name	Description
1	Logo	This logo can be changed to a new one.
2	System Configuration Button	Click this button to enter system configuration page for the functions: 1) Naming and Sequencing; 2) Video Wall Settings; 3) Advanced Settings; 4) System Information.
3	RX List	Shows the list of online RX devices, including single device and devices for video walls.

No.	Name	Description
4	RX Preview	Shows the live preview of current RX assignments.
5	TX List	Shows the IP stream's live preview from TX device.
6	To All Screens	Drag a TX from TX list over this button means the switching of this TX to all RX devices in RX list, including video walls.
7	Display On/Off	• Display On: Turn on all RXs' displays. • Display Off: Set all RXs' displays to standby state.

Specifications

Video	
Input Port	1 x HDMI
Input Resolutions	up to 3840x2160p@30Hz
Output Port	1 x LAN
Output Resolutions	up to 3840x2160p@30Hz

Audio	
Input Port	1 x HDMI
Output Port	1 x LAN, 1 x Audio Out
Audio Format	MPEG4-AAC Stereo

Control	
Control Method	VDirector App (IOS/Android/Windows Version)

General	
Operating Temperature	+32°F ~ +113°F (0°C ~ +45°C), 10% ~ 90%, non-condensing
Storage Temperature	-4°F ~ 140°F (-20°C ~ +70°C), 10% ~ 90%, non-condensing
Power Supply	DC12V 1A / PoE
Power Consumption (Max)	DC 12V: 3.6W | PoE: 4.3W
ESD Protection	Human body model: ±8kV (air-gap discharge)/±4kV (contact discharge)
Dimensions (W x H x D)	175mm x 25mm x 100.2mm/ 6.9" x 0.98" x 3.9"
Net Weight	0.60kg/1.32lbs

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.

Thank you for choosing products from AV Access.

If you have any question, please contact us via the following emails:
General Enquiry: info@avaccess.com
Customer/Technical Support: support@avaccess.com