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SIIG CE-H27P11-S1 Avpro Hdmi Over Ip Encoder User Manual

Contents

SIIG CE-H27P11-S1 Avpro Hdmi Over Ip Encoder

USER MANUAL

P/N: CE-H27P11-S1
Ver. 04-1414B

1. Introduction

1.1. Features

- Depends on different site scenario to configure as Encoder (TX) or Decoder (RX)
- Supports video resolution up to 1080p@60Hz
- Build-in EDID & supports stereo audio
- Extend HDMI signal up to 180m (600ft) by single Cat.5e/6 cable (Only when One Tx + One RX)
- Supports cascaded by the Encoder (TX) via HDMI output Decoder (RX) via LAN or L2 Ethernet Switches for longer distance (100m + 100m + …)
- Supports IR (20KHz ~ 60KHz) extension
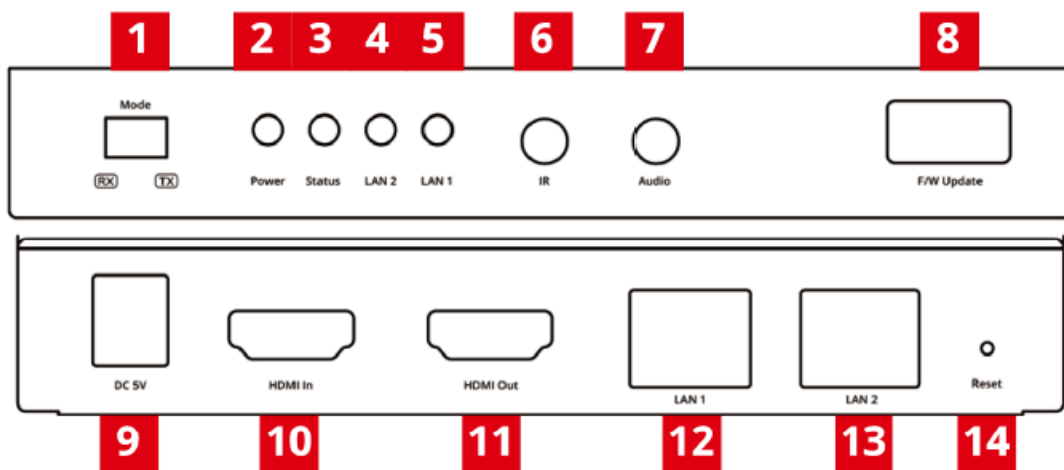- Built-in ESD protection system

1.2. Package Contents

Check the following items in the package.

Item	Q'ty
CE-H27P11-S1	1
Power Adapter DC 5V/2A	1
USB-A to DC Power Cable	1
IR Blaster Cable	1
IR Receiver Cable	1
HDMI 3ft Cable	1
User Manual	1

1.3. Specifications

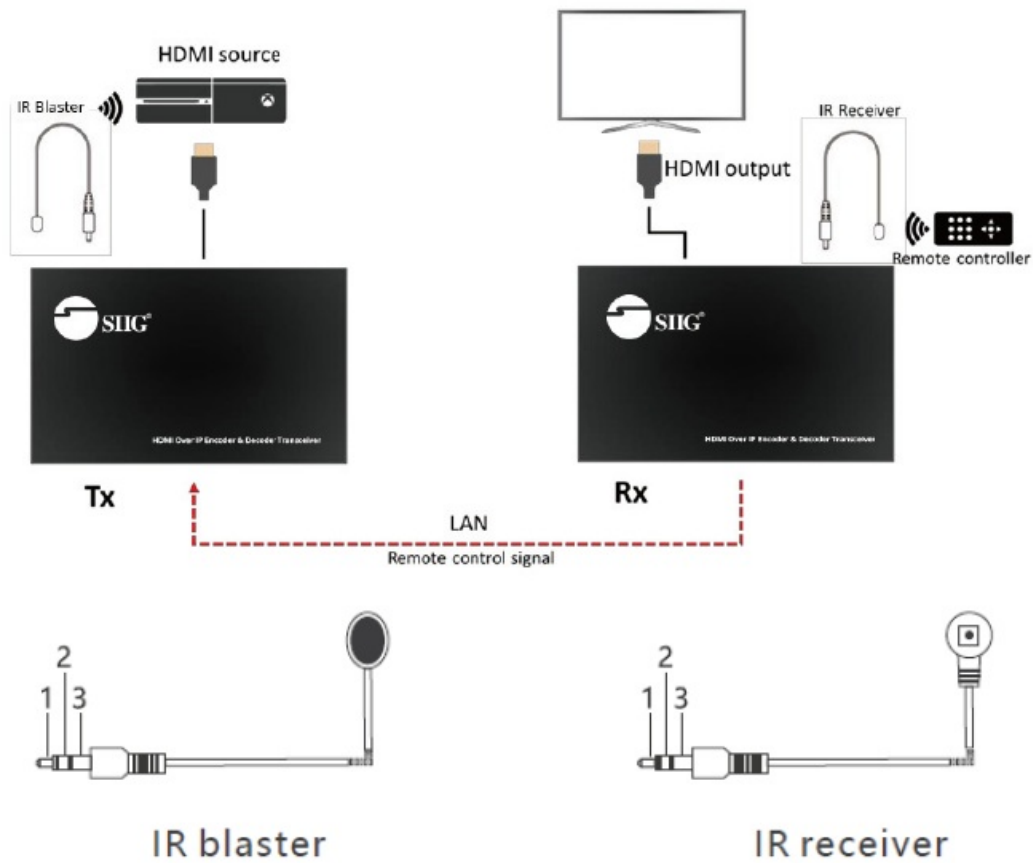|	
Encoder (TX) or Decoder (RX) unit	1x 19-pin HDMI, Input 1x 19-pin HDMI, Output 2x 8P8C RJ45, Video Signal, Input/Output 1x 3.5mm for IR Input/Output 1x 3.5mm for Audio Aux In 1x Reset Button, for Default Reset 1x Slider for Encoder (TX) / Decoder (RX) Switch 1x 4-pin, USB 2.0 for FW Update 1x DC Power Jack
HDMI Specification	HDMI 1.4 & HDCP 1.4
Extensions Distance	180m (600feet) for 1080p @60Hz
Ethernet Port	10/100 Mbps
IR Frequency Range	20KHz ~ 60KHz
Interlaced Resolutions (50&60Hz)	1080i
Progressive Resolutions (50&60Hz)	1080p
VESA Resolution (60Hz)	1920×1080 / 1680×1050 / 1600×1200 / 1920×1200 / 1440×900 / 1440×1050 / 1360×768 / 1280×1024 / 1280×960 / 1280×800 / 1280×768 / 1280×720 / 1024×768 / 800×600 / 640×480
Operating Temperature	0°C to 50°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V
Dimension	5.20" (L) x 0.95" (H) x 3.08" (D)
Material	Metal

1.4. Front Panel

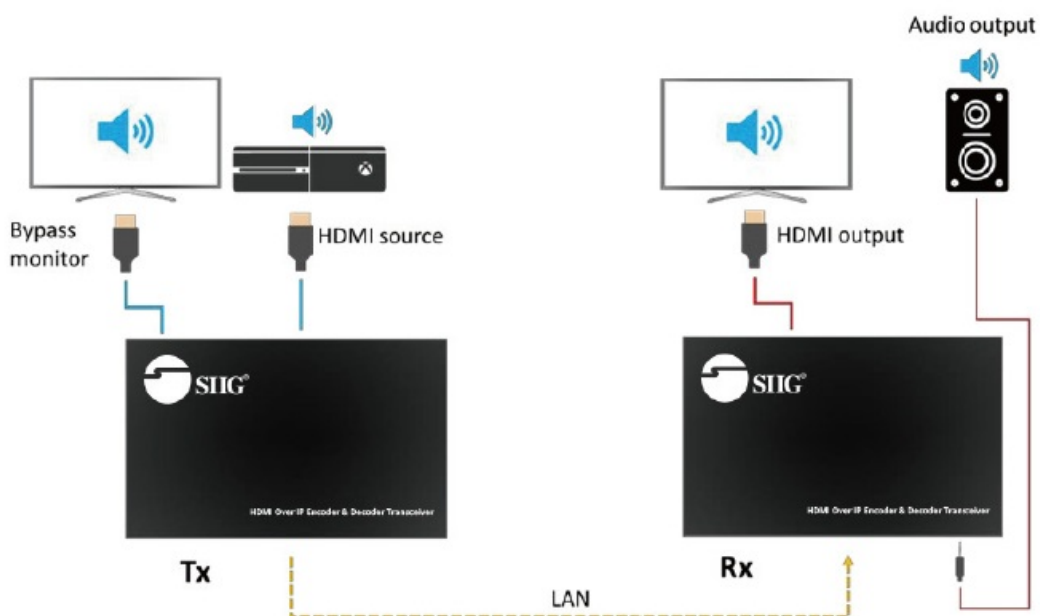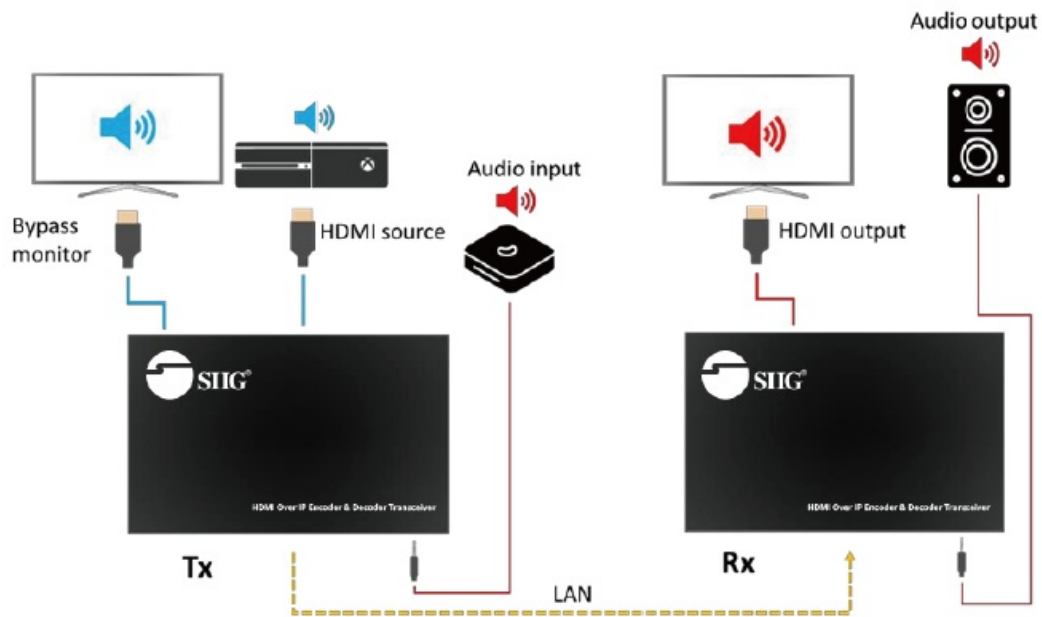|		
1.	Slider Switch	Switching between Encoder (TX) and Decoder (RX) mode.
2.	Power LED	Lights green when power on.
3.	Status LED	Lights green when HDMI input is transmitting data.
4.	LAN 2 LED	Flashing when LAN 2 port is transmitting data.
5.	LAN 1 LED	Flashing when LAN 1 port is transmitting data.
6.	IR	TX: Connect with IR blaster extension cable. Please get closer to the source device while using. RX: Connect with IR receiver extension cable. Please make sure the remote control used is within the effective range.
7.	Audio	TX Audio Embedded: Connect to 3.5mm audio source then it will cover RX HDMI output & RX 3.5mm audio extract. RX Audio Extract: It will follow RX HDMI output the same audio.
8.	F/W Update	For firmware update.
9.	Power Jack	DC 5V/2A
10.	HDMI Input	TX: Connect to HDMI source. RX: Disable.
11.	HDMI Output	TX/RX: Connect to HDMI display.
12.	LAN 1	TCP/IP 10/100Mbps Ethernet port 1. Connect to receiver with Cat5e/6 UTP cable.
13.	LAN 2	TCP/IP 10/100Mbps Ethernet port 2. Connect to receiver with Cat5e/6 UTP cable.
14.	Reset	Long press for 5 seconds to reset to factory default settings.

2. Application

2.1. IR Transmission

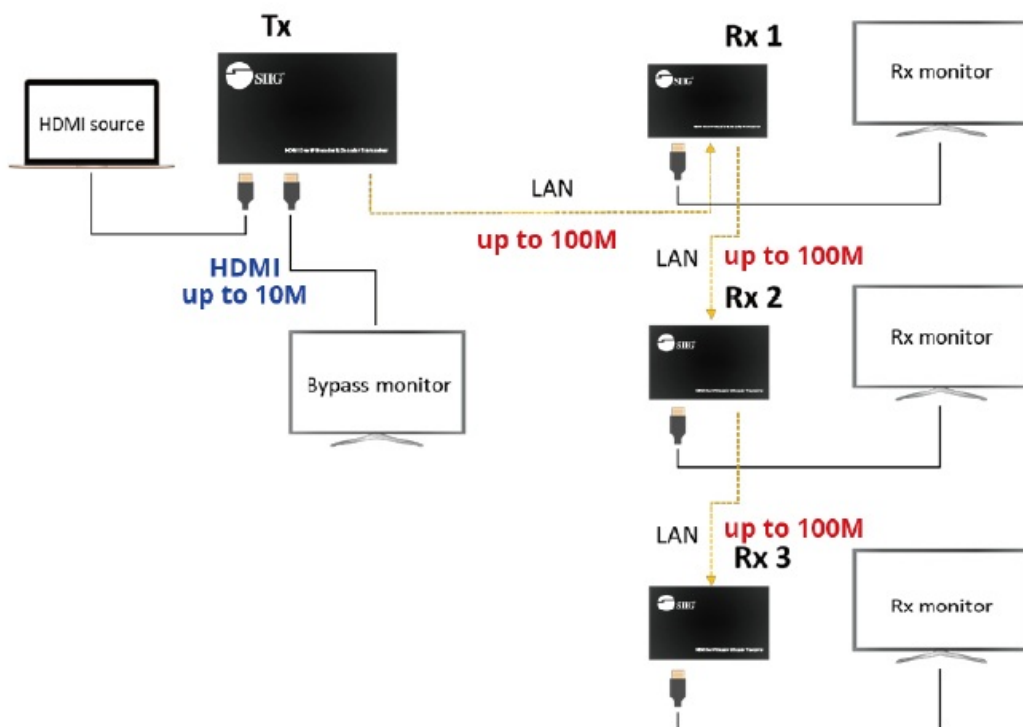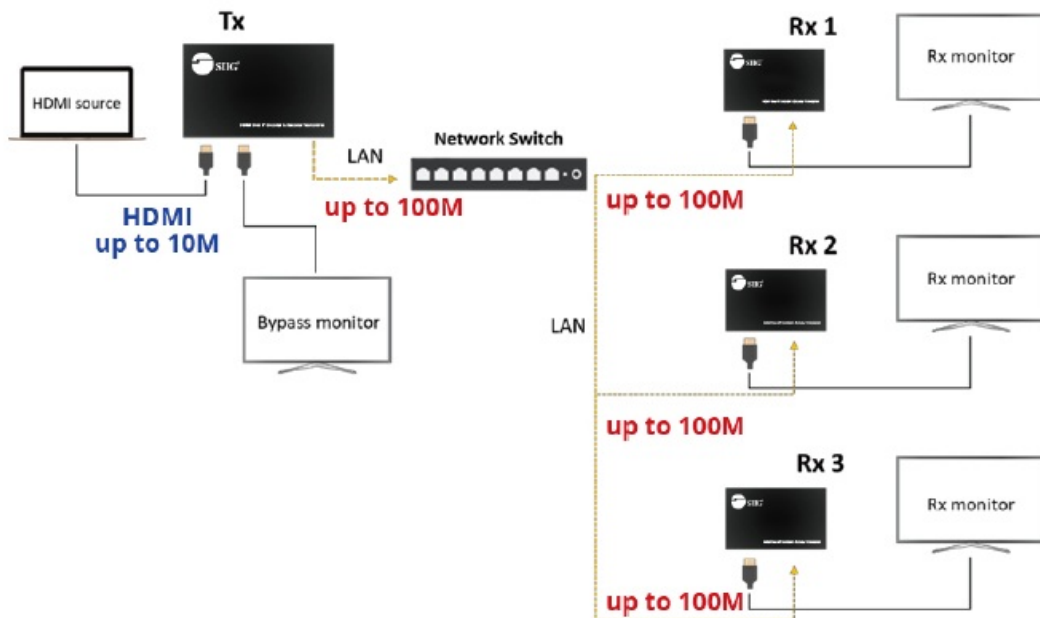|	
1. Power	1. Power
2. IR Signa l	2. IR Signa l
3. Null	3. Grounding

2.2. Audio Extract

2.3. Audio Embedded

Audio blue still output to TX HDMI output. Audio red will cover to RX HDMI output and 3.5mm audio output.
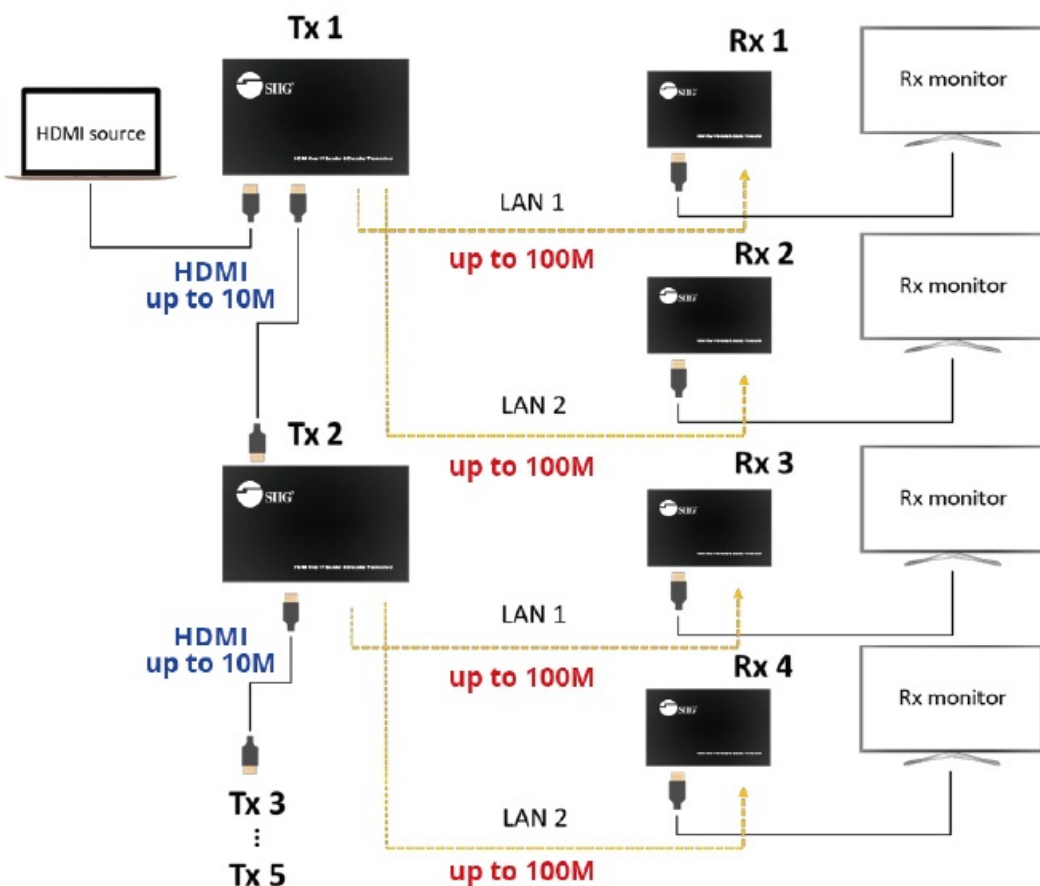

2.4. 1 to N Extender Mode with LAN

2.5. 1 to N Extender Mode with Network Switch

2.6. 1 to N Extender Mode with HDMI Loop-out

Please note that this connection can link Up to 5 Encoder (TX).

2.7. Note

- We recommend CAT5e/6 with 100% copper wiring and IEEE-568B wiring standard.
- We recommend HDMI cable length not over 33ft/10m.

- Dedicated IGMP Gigabit Ethernet switches are recommended for the best peformance and reliability.
- When connecting to an existing LAN environment, it's recommended to configure a VLAN dedicated to these transmitter and receiver to avoid traffic collision with other networking devices.

Specifications

- 1x 19-pin HDMI Input
- 1x 19-pin HDMI Output
- 2x 8P8C RJ45 Video Signal Input/Output
- Encoder (TX) or Decoder (RX) unit
- 1x 3.5mm for IR Input/Output
- 1x 3.5mm for Audio Aux In
- 1x Reset Button for Default Reset
- 1x Slider for Encoder (TX) / Decoder (RX) Switch
- 1x 4-pin USB 2.0 for FW Update
- 1x DC Power Jack
- HDMI Specification: HDMI 1.4 & HDCP 1.4
- Extensions Distance: 180m (600 feet) for 1080p @60Hz
- Ethernet Port: 10/100 Mbps
- IR Frequency Range: 20KHz ~ 60KHz
- Interlaced Resolutions (50&60Hz): 1080i
- Progressive Resolutions (50&60Hz): 1080p
- VESA Resolution (60Hz): Various resolutions supported
- Storage Humidity: 5% to 90% RH non-condensation
- Power Supply: DC 5V
- Dimension: 5.20 (L) x 0.95 (H) x 3.08 (D)
- Material: Metal

3. Q & A

Q 1. Why is the power LED off?

Please check if the power supply is connecting well and the output voltage value is correct as recommended 5V/2A.

Q 2. Why is the output image unstable?

- Check whether the length of the UTP cable connected from TX to RX is within 600ft/180m (One TX + One RX mode) or 328ft/100m (cascade mode).
- The length of HDMI cable is recommended to be ≤ 33ft/10m.

Q 3. Why is there no sound or having sound issues?

- Please check ifthe HDMI cables are firmly connected.
- Please check if the audio setting on the output is set to HDMI audio.

- Please check if the TX audio jack is inserted without audio input cause the audio output mute.

2 Year Warranty

SIIG, Inc. offers a 2-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for two (2) years from the date of purchase of the product.

SIIG, Inc. will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship.
You do not have to complete any registration with SIIG, Inc. to obtain warranty service. However, you must provide SIIG, Inc. proof of purchase as the original purchaser in order to be eligible for this warranty.
The customer is responsible for the shipping cost to SIIG, Inc., but SIIG Inc. will pay the return postage.

SIIG, Inc. shall not be liable for any incidental or consequential damages caused by the breach of any express, implied or statutory warranty or condition.
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
The above limitations may be inapplicable if in conflict with the laws of a particular jurisdiction.

About SIIG

Since 1985, SIIG Inc. has led the way in creating IT and AV connectivity solutions you can trust. Built on core values of professional integrity with customer satisfaction as the focus point, our company is committed to providing top-notch service, support, and product solutions that elevate your AV and IT user experience. As our 30+ year legacy continues, our team will diligently contribute insights and add unique value to various industry markets on how people can better connect with technology.

To send us a message, go to **https://www.siig.com/contact-us**
For Technical Support and RMA, go to **https://www.siig.com/support** to submit your request.

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Our LIVE phone support hours are listed below in
PST Monday-Friday:
• 10am – 12noon
• 2pm – 4pm

RMA Support
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Frequently Asked Questions (FAQ)

Q: Why is the power LED off?

A: The power LED may be off if there is no power supply connected or if there is a faulty connection. Make sure the DC power adapter is properly connected and providing power.

Q: Why is the output image unstable?

A: The output image may be unstable due to a poor network connection or incompatible settings. Check the network connection and ensure all settings are correct.

Q: Why is there no sound or having sound issues?

A: Sound issues can arise from incorrect audio connections or settings. Double-check the audio connections and settings to ensure they are configured properly.

Documents / Resources

HDMI Over IP Encoder & Decoder Transceiver	**SIIG CE-H27P11-S1 Avpro Hdmi Over Ip Encoder** [pdf] User Manual CE-H27P11-S1 Avpro Hdmi Over Ip Encoder, CE-H27P11-S1, Avpro Hdmi Over Ip Encoder, Hdmi Over Ip Encoder, Over Ip Encoder, Ip Encoder, Encoder

References

- 🔴 **SIIG Home Page**
- 🔴 **SIIG Support**
- **User Manual**