



1080P60 HDMI over IP Extender (150m)

USER MANUAL

EX-330-K

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Thank you for purchasing this product

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the service life of your equipment.

Please Activate your warranty by registering our product through the link below
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Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

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Introduction

This 1080P60 HDMI over IP Extender (150m) is based on AV over IP solution for distribution of one HD content to one HD display device or to multiple HD display devices over a standard 1G network Switch, and extends distance up to 150m/492ft between encoder and decoder via a single CAT5e/6 cable. It offers configurable high quality, low-bandwidth H.265 compression video. The resolution is up to 1920x1080@60Hz.

HDMI over IP Extender includes two units: Encoder and Decoder. Encoder is responsible for obtaining HDMI signals for encoding, then transmitting via CAT5e/6 cable. Decoder is responsible for signal decoding and outputting HDMI signals to HD displays. It offers the most convenient solution for HDMI extension over CAT5e/6 cable and is the perfect solution for any application.



1. HDMI 1.3 and HDCP 1.4 compliant
2. Support 148.5MHz video bandwidth
3. Video resolution is up to 1920×1080@60Hz
4. Signal transmission distance up to 150m/492ft via a single CAT5e/6 cable
5. Adopt standard H.265 encoding & decoding technology
6. Support 1G standard IP Switch/router/hub
7. Support one-to-one and one-to-many connection modes
8. Compact design for easy and flexible installation

Package Contents

1.	1080P60 HDMI over IP Extender (Encoder) & 5V/1A Power Adapter or/and 1080P60 HDMI over IP Extender (Decoder) & 5V/1A Power Adapter	1 pcs
2.	User Manual	1 pcs

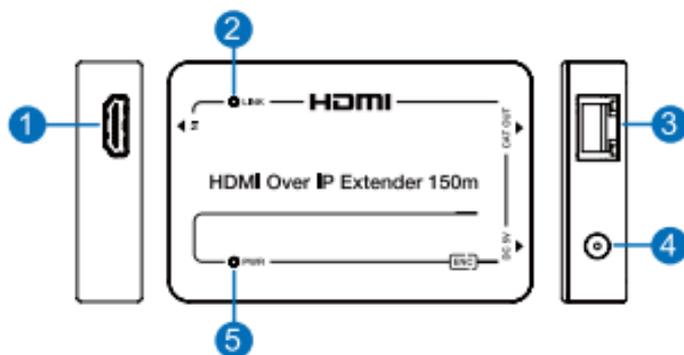
Specifications

Technical	
HDMI Compliance	HDMI 1.3
HDCP Compliance	HDCP 1.4
Video Bandwidth	148.5MHz
Video Resolution	Input: Up to 1920x1200@60Hz Output: Up to 1920x1080@60Hz
HDMI Audio Formats	LPCM 2.0CH, 32KHz/44.1KHz/48KHz
Compression Technology	H.265
Video Network Bandwidth	1G
Transmission Distance	150m/492ft (via a single CAT5e/6 cable)
Color Depth	Input: 8/10/12-bit Output: 8bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection	
Encoder	Input: 1×HDMI IN [Type A, 19-pin female] Output: 1×CAT OUT [RJ45 connector]
Decoder	Input: 1×CAT IN [RJ45 connector] Output: 1×HDMI OUT [Type A, 19-pin female]
Mechanical	
Housing	Plastic Enclosure
Silkscreen Color	Black
Dimensions	90mm (W) × 60mm (D) × 16mm (H)
Weight	Encoder: 51g, Decoder: 52g
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20-90% RH (Non-condensing)
Power Consumption (Max)	Encoder: 1.7W, Decoder: 1.2W
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standard, CE/FCC/UL certified)

Operation Controls and Functions

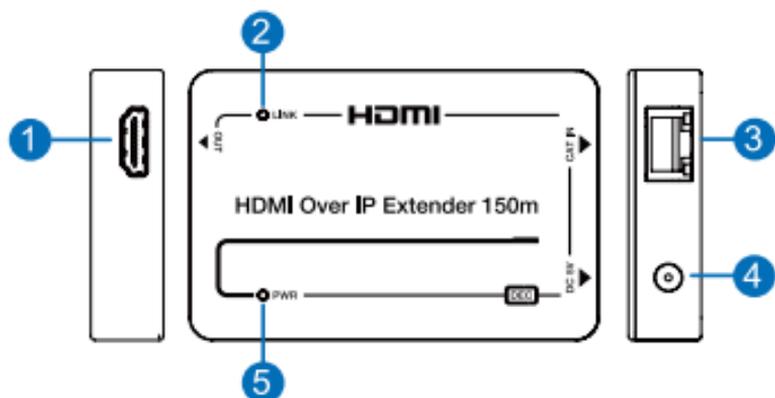
Encoder Panel



No.	Name	Function Description
1.	IN	HDMI signal input port for connecting the HDMI source device.
2.	LINK LED	When the encoder is connected to HDMI signal source, the green LINK LED will be on.
3.	CAT OUT	The CAT OUT port is connected to the CAT IN port on decoder or connected to Switch/router/hub with CAT cable for sending signal to receiver.
4.	DC 5V	DC 5V power input port.
5.	PWR LED	When the encoder is powered on, the green Power LED will be on.

Operation Controls and Functions

Decoder Panel



No.	Name	Function Description
1.	OUT	HDMI signal output port for connecting the HDMI display device.
2.	LINK LED	When the decoder is connected to HDMI display device, the green LINK LED will be on.
3.	CAT IN	The CAT IN port is connected to the CAT OUT port on encoder or connected to Switch/router/hub with CAT cable for receiving encoder signal.
4.	DC 5V	DC 5V power input port.
5.	PWR LED	When the decoder is powered on, the green Power LED will be on.

Application Example

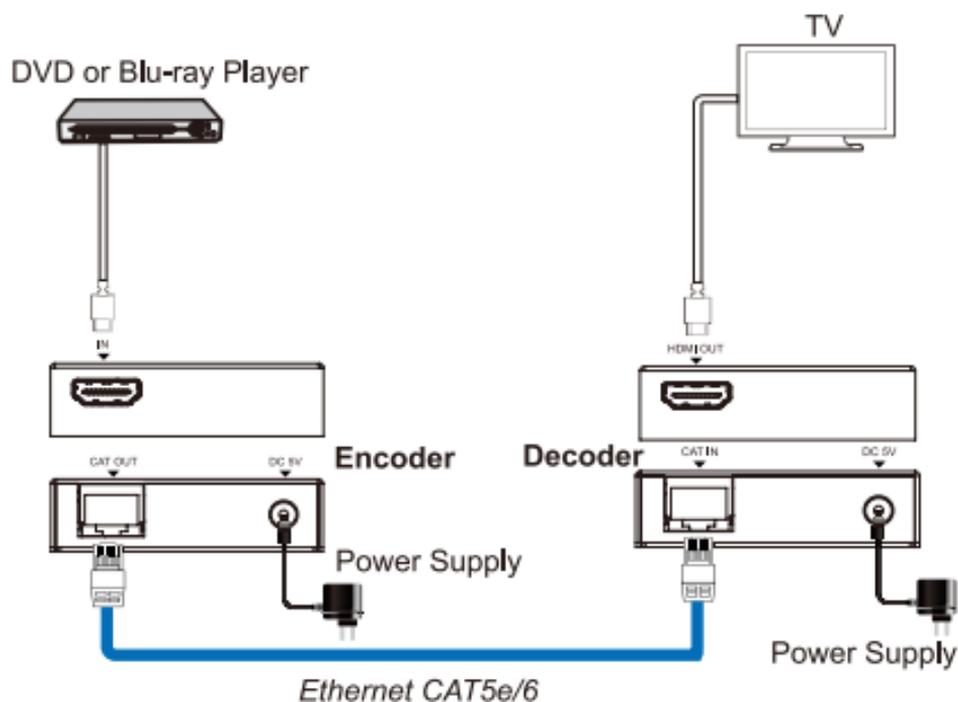


Figure 1: Encoder connects Decoder

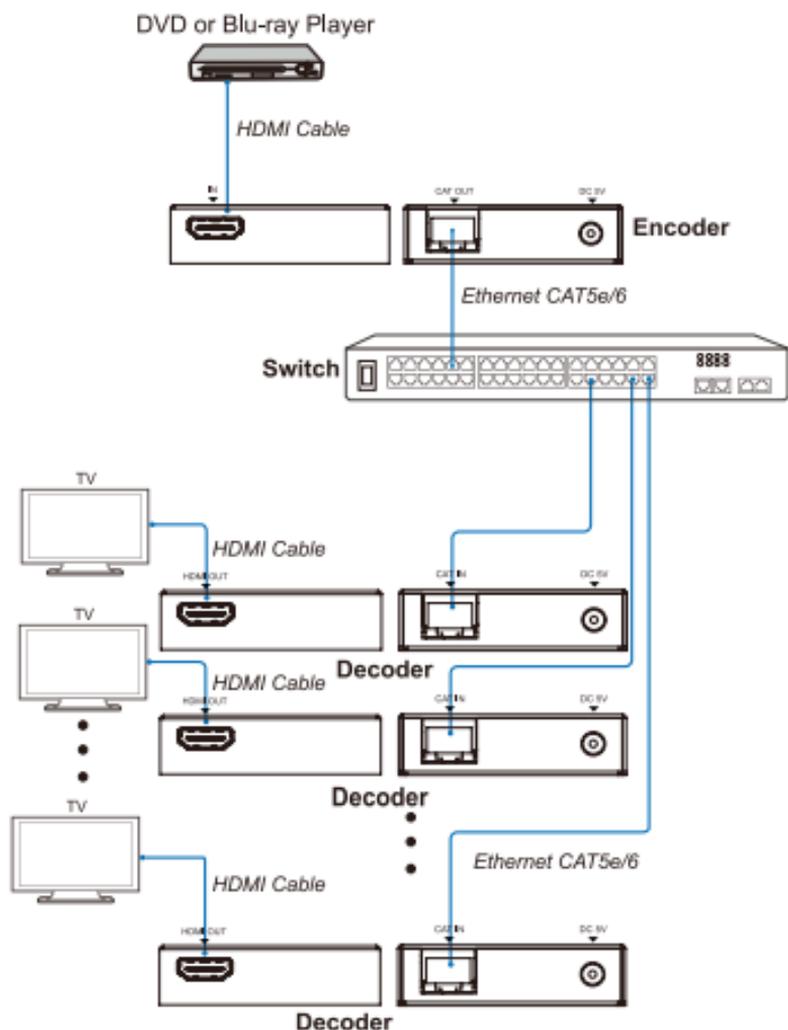


Figure 2: Encoder connects Decoder via Switch (one Encoder to multiple Decoders)



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