NEXIS

HDMI Extender (70m)
with IR Control

ET4870X

1. Introduction

This HDMI Extender can extend high definition video/audio signal and IR control signal up to 230ft/70m for 1080p resolution, and 131ft/40m for 4K30 resolution via a single CAT6 cable, which can achieve zero-delay, uncompressed long-distance transmission between the transmitter and receiver. This extender with HDMI loop output can be cascaded to the next extender, supporting resolution up to 4K@30Hz. It supports EDID copy function (you can choose local or remote EDID). It supports audio formats up to PCM7.1, Dolby True HD, DTS HD. This product can be widely used in multimedia conference halls, TV teaching and large-screen displays.

2. Features

☆ HDMI 1.4, HDCP 1.4 and DVI 1.0 compliant
☆ Support video resolution up to 4k2k@30Hz YUV 4:4:4
☆ The maximum transmission distance via a single CAT6/5E cable is as follows:
   CAT6: 230ft/70m for 1080p, 131ft/40m for 4K30
   CAT5E: 197ft/60m for 1080p, 115ft/35m for 4K30
☆ Support copying EDID from receiver display or loop out display
☆ Allow for cascading via additional HDMI loop out port
☆ Support one-way POC functionality (from transmitter to receiver)
☆ One-way IR signal transmission
☆ Compact design for easy and flexible installation

3. Specifications

Technical	
HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
Video Bandwidth	10.2Gbps
Video Resolution	Up to 4K@30Hz
Audio Support	Up to 7.1CH HD audio
Input TMDS Signal	3.3 volts
Input DDC Signal	5.0 volts/P-P
ESD Protection	Human Body model: +/- 8 kV (air-gap discharge) +/- 4 kV (contact discharge)
Connection	

Transmitter	Input: 1 x HDMI Type A [19-pin female]
	Outputs:1 x HDMI Type A [19-pin female]
	            1 x IR OUT [3.5mm Stereo Mini-jack]
	            1 x CAT OUT [RJ45, 8-pin female]

Receiver	Inputs: 1x IR IN [3.5mm Stereo Mini-jack] 1x CAT IN [RJ45, 8-pin female] Output: 1x HDMI Type A [19-pin female]

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	79.5mm[W] x 69mm[D] x 16.5mm[H]
Weight	Transmitter: 132g, Receiver: 130g
Power Supply	12V/1A DC
Power Consumption	Transmitter: 1.86W, Receiver: 0.87W
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

4. Application Example

Transmitter

HDMI IN · RX · EDID · TX · HDMI OUT · IR OUT · CAT · DC 12V

Power Supply

CAT5E/6 cable

UHDTV

DVD or Blu-ray Player · IR Blaster

Receiver

HDMI OUT · IR IN · CAT

UHDTV

IR Receiver