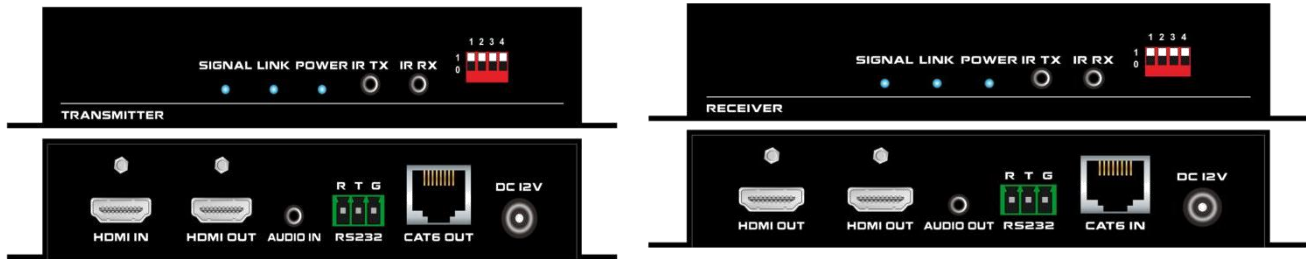


# 4K 60 Hz HDBaseT Extender to 110 feet with HDCP 2.3, EDID, Audio & IR



## Introduction

This 4K 60 Hz HDBaseT Extender to 110 feet with HDCP 2.3, EDID, Audio & IR is AEL version 4K HD extender which is using the advanced HDBaseT technology. It can transmit the 4K HD signal, audio embedded/de-embedded, bi-directional IR and RS232 signal over single STP Cat5e/6/7 cable up to a long distance and only need to power on one side with the POC function. It also can work with other HDBaseT equipment, such as Sony HDBaseT projector. For the 1080P60Hz resolution, it can transmit to a distance of 70m/220ft(100m/330ft), for 4K60Hz it can up to 35m/110ft(70m/220ft). This extender kit can support the EDID management on the transmitter, compliant with 4K HD2.0, HDCP2.3. It can be popularly used in media conferencing room, school, government, cinema and so on applications.

## Features


- Uses the HDBaseT technology extension over single CAT5e/6/7 cable
- Extend 4K/60(4:2:0) video & IR & RS232 Control
- Transmission distance up to 70/100m 220/330ft(1080P60) or 35/70m 110/220ft(4K60)
- 4K HD2.0 and HDCP2.3
- RS232 and IR signal transmission, POC function
- EDID management and 3.5mm audio embedded on the transmitter
- Support DIP switch scaling and 3.5mm audio de-embedded on the receiver

## Specification

Name	Transmitter	Receiver
Description	4K HD 70/100m HDBaseT Transmitter	4K HD 70/100m HDBaseT Receiver
Input Port	1x4K HD, 1xRS232, 1xR-TX, 1xR-RX	1xHDBaseT

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<b>Output Port</b>	1xHDBaseT, 1x Loop out	2x4K HD, 1xRS232, 1xR-TX, 1xR-RX
<b>Standard Protocol</b>	Support 4K HD2.0 and compatible with HDCP2.3	
<b>Resolution</b>	1920x1200, 1680x1050, 1360x768, 1280x800, 1920x1080, 1600x900, 1366x768, 1280x720, 1024x576, 1920x1200, 1680x1050, 1360x768, 1280x800, 4096x2160@30Hz, 3840x2160@30Hz, 3840x2160@60Hz,	
<b>Bandwidth</b>	10.2Gbps	
<b>Distance</b>	1080p60 distances to 220/330 feet, 4K60(4:2:0) distances to 110/220 feet	
<b>Dimension</b>	5.98x4x1(Inch)(Tx/ Rx)	
<b>Weight</b>	0.35lbs	
<b>Power</b>	AC: 100-240V 50/60Hz DC: 12V 1.5A	
<b>Consumption</b>	≤ 10W	
<b>Work Temp</b>	0°C ~50°C	
<b>Storage Temp</b>	- 20°C ~55°C	

EDID management				Audio	
D1	D2	D3	Function	D4	Function
1	1	1	4k60	1	3.5MM
1	0	0	1080P2.1	0	4K HD
1	0	1	4K HD-1200		
0	1	1	1440*900		
0	0	1	DVI-1080		
0	1	0	DVI-1200		
1	1	0	4k2.1		
0	0	0	External EDID		

## Transmitter DIP switch

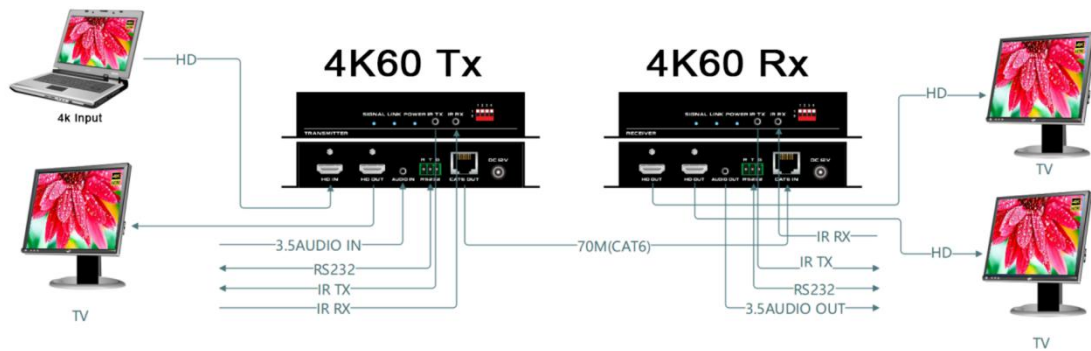
## Receiver DIP switch

Resolution Scaling			No functions	
D1	D2	Function	D3	D4
0	0	Resolution bypass	No functions	
0	1	Force the 4K30/50/60 resolution to 1080P30/50/60		
1	0	Force 4K50/60 420 resolution to 4K50/60		

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		444	
1	1	Resolution bypass	

## Connection diagram



## Product size/drawing(mm)

