

### Introduction

This is AEL version HDMI extender which is using the advanced HDBaseT technology. It can transmit the HDMI 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 HDMI2.0, HDCP2.2 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)
- HDMI2.0 and HDCP2.2
- 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	HDMI 70/100m HDBaseT Transmitter	HDMI 70/100m HDBaseT Receiver
Input Port	1xHDMI, 1xRS232, 1xR-TX, 1xR-RX	1xHDBaseT
Output Port	1xHDBaseT	1xHDMI, 1xRS232, 1xR-TX, 1xR-RX

Standard Protocol	Support HDMI2.0 and compatible with HDCP2.2
Resolution	1920x1200, 1680x1050, 1360x768, 1280x800, 1920x1080, 1600x900, 1366x768, 1280x720, 1024x576, 1920x1200, 1680x1050, 1360x768, 1280x800, 4096x2160@30Hz, 3840x2160@30Hz, 3840x2160@60Hz,
Bandwidth	10.2Gbps
Distance	1080p60 distances to 220/330 feet, 4K60(4:2:0) distances to 110/220 feet
Dimension	115*84*16(mm)(Tx/ Rx)/ 4.52*3.30*0.63(inch)
Weight	160g(Tx/ Rx)/ 0.35lbs
Power	AC: 100-240V 50/60Hz DC: 12V 1.5A
Consumption	≤ 10W
Work Temp	0°C ~50°C
Storage Temp	- 20°C ~55°C

### Transmitter DIP switch

EDID management				Audio	
D1	D2	D3	Function	D4	Function
1	1	1	4k60	1	3.5MM
1	0	0	1080P2.1	0	HDMI
1	0	1	HDMI-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		

### 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 4K50/60 444		
1	1	Resolution bypass		