



KA077 HDBaseT Extender (100M)



INTRODUCTION

This HDBaseT single network cable extender transmits HDMI signal up to 100meters over cat6 fluently and clearly. It is lossless in signal and supports 3D, 24bits deep color, 4kx2k, CEC and HDCP. Apply HDBaseT extend technology. Uncompressed HDMI video signals. Support full HD 1080P@60Hz, 3d, 4kx2k. Extend 1080p signal over cat6a up to 100 meters. Support bi-directional IR pass back support HDCP , CEC, 24 deep color_Support uncompressed LPCM audio and compressed DTS-HD, Dolby True HD Can be powered by network cable. It only needs to power for either transmitter or receiver for normal working.

1. Apply HDBaseT extend technology
2. Uncompressed HDMI video signal
3. Support full HD 1080P@60Hz, 3d, 4kx2k@30Hz
4. Extend 1080p signal over cat6a up to 100 meters
5. Extend 4K2K signal over cat 6a up to 70meters
6. Support bi-directional IR pass back
7. support HDCP ,CEC, 24 deep color
8. Support uncompressed LPCM audio and compressed DTS-HD, Dolby True HD
9. Can be powered by network cable. It only needs to input 12V power for either transmitter or receiver for normal working.

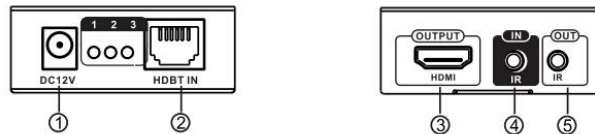
Items	Specifications		
HDMI signal	4Kx2K,compatible with HDCP,support CEC and 24bits deep color		
Resolution Supported	480i/480P/576i/576P/720P/1080i/1080P/3D/4Kx2K		
Audio	LPCM、 DTS Digital, Dolby Digital		
Network cable	CAT5E、 CAT6、 CAT6A、 CAT7		
Transmission length	CAT5E/CAT6	100m	UP to 1080P@60Hz 36bpp
		70m	1080p@60Hz 48bpp,1080p@60Hz 3D,4Kx2K 30Hz,
	CAT6A/CAT7	100m	4Kx2K 60Hz(4:2:0)
Infrared back	Support 20~60kHz wide frequency devices and Bi-directional IR transmission		
Power supply	DC12V/1A *2pcs		
Power consumption	<10W		
Product dimension	98.5(L)x66.5(W)x23(H)mm *2pcs		
Enclosure material	Metal		
Weight	TX:79g RX:107g		
Color	black		

5.1 HDMI to HDBaseT TX Sender



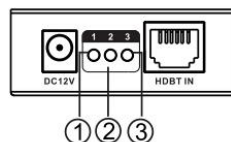
- ① HDMI IN:HDMI signal input to connect with HDMI source device.
- ② IR IN:IR signal input to connect with IR receiver extension cable.
- ③ IR OUT:IR signal output to connect with IR blaster extension cable.
- ④ DC12V:Power input
- ⑤ HDBT OUT:HDBaseT signal output

5.2 HDBaseT to HDMI RX Receiver



- ① DC12V:Power input
- ② HDBT IN:HDBaseT signal input
- ③ HDMI OUT:HDMI signal output to connect with HDMI display device.
- ④ IR IN:IR signal input to connect with IR receiver extension cable.
- ⑤ IR OUT:IR signal output to connect with IR blaster extension cable.

5.3 LED indicators working status

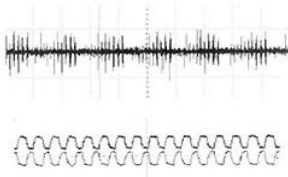


- ① It is lighting on with power on.
- ② It is lighting on when TX and RX are well connected.
- ③ It is lighting on when RX's HDMI OUT connects with HDMI display device and has HDMI signal output.



Transmission with 0 loss

Applied to the 0 loss transmission technology, the video displayed clearly & fluently in the receiver end.



Support uncompressed HDMI signal transmission



Support uncompressed audio output(such as LPCM)



Support compressed audio output (such as DTS-HD and Dolby True HD)