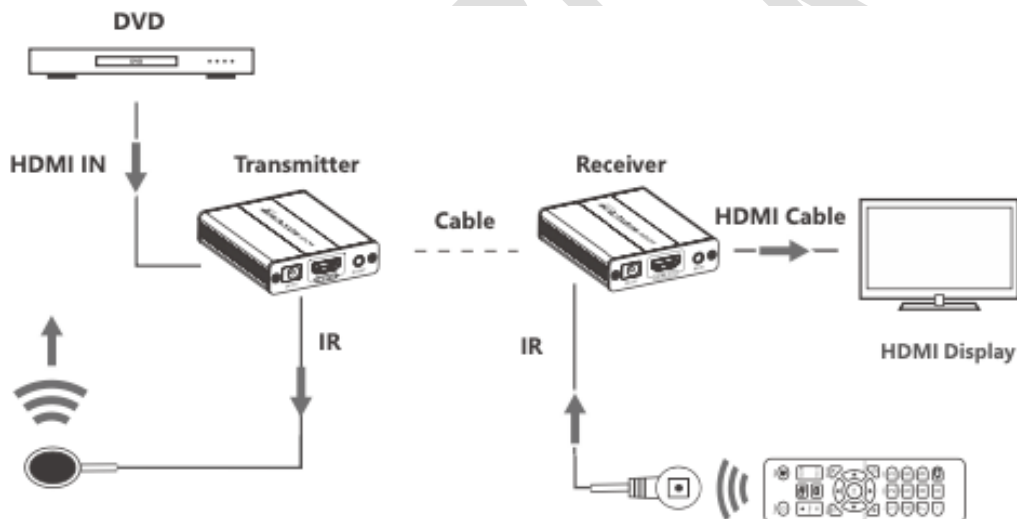


# HDMI Extender Over CAT6 120m (ER2602EX)



## Introduction

This HDMI Extender is a solution for transmission and extension uncompressed full HD 1080p@60Hz HDMI signal over a signal CAT5/5e/6 network cable. It includes a transmitter unit (TX) and a receiver unit (RX), working as a pair. Long transmission distance is up to 120 meters with zero latency. This HDMI Extender support IR passback for remote control source device from receiver site easily. This product is perfect for AV transmission in applications of HD conference system, HD video shooting, HD multimedia education system, HD digital advertising and signage etc.

## Features

- Include a transmitter unit (TX) and a receiver unit (RX), working as a pair.
- Transmission distance up to 120m via CAT6 cable, 100m via CAT5E cable, 80m via CAT5 cable.

# HDMI Extender Over CAT6

## 120m (ER2602EX)

- Support IR passback for remote control source device to receiver site easily. Support IR pass-back function (20~60KHz). Innovative IR pass back function, perfect improved infrared remote control experience
- Uncompressed and zero latency.
- Support resolution is up to full HD 1080p@60Hz.
- Compliant with CAT5/5e/6 for long distance transmission
- Plug and play, without installation.

### Specifications

<b>Brand</b>	<b>EIRA</b>	
<b>SKU Code</b>	<b>ER2602EX</b>	
<b>Technical</b>	<b>Transmitter-TX</b>	<b>Receiver-RX</b>
HDMI compliance	1.3	
HDCP compliance	1.4	
Video bandwidth	148.5MHz	
Transmission distance	CAT5E:100m, CAT6:120m	
Video support	1440x900@60Hz, 1680x1050@60Hz, 1280x720@25/30/50/60Hz, 1920x1080@25/30/50/60Hz 720x576@50Hz, 720x480@60Hz, 640x480@60/75Hz, 800x600@60/75Hz, 1024x768@60/75Hz, 1280x800@60Hz, 1280x1024@60Hz	
Audio support	PCM	
Input TMDS signal	1.2Vp-p	
loop-out on TX	No	
IR passback	Yes	
IR frequency Range (KHz)	20-60KHz	
Input	1xHDMI	1xRJ45, 1x3.5mm(IR)
Output	1xRJ45, 1x3.5mm(IR)	1xHDMI
HDMI connector	Type A, Female, 19-pin	
RJ-45 connector	RJ-45	
<b>Mechanical</b>	<b>Transmitter-TX</b>	<b>Receiver-RX</b>
Dimensions(LxWxH mm)	69x55.8x15.8mm	69x55.8x15.8mm
Net weight	85g	85g
Power supply	5V1A	
Consumption	<2W	<2W
Operation temperature	0~60℃	
Storage temperature	-10~70℃	
Relative humidity	0~90% (non-condensing)	
Warranty	1 Year	

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## Package Contents



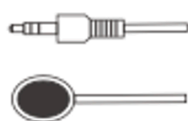
Transmitter unit  
(Tx) ×1pc



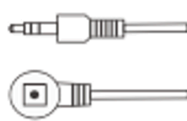
Receiver unit  
(Rx) ×1pc



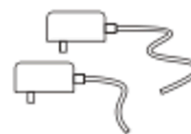
User manual×1pc



IR blaster  
extension cable ×1pc



IR receiver  
extension cable×1pc



Power supply×2pcs

## Interface

### 1. Transmitter (TX)



1	Reset button	Restart the unit
2	RJ45 signal output	Connect with network cable
3	LINK indicator	LED turns on all the time with HDMI signal transmission, flashes with no signal transmission
4	Power input	Connect with DC5V1A power adapter
5	HDMI signal input	Connect with source device
6	IR signal output	Connect with IR blaster extension cable

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## 2. Receiver (RX)



1	Reset button	Restart the unit
2	RJ45 signal input	Connect with network cable
3	LINK indicator	LED turns on all the time with HDMI signal transmission, flashes with no signal transmission
4	Power input	Connect with DC5V1A power adapter
5	HDMI signal output	Connect with display device
6	IR signal input	Connect with IR receiver extension cable