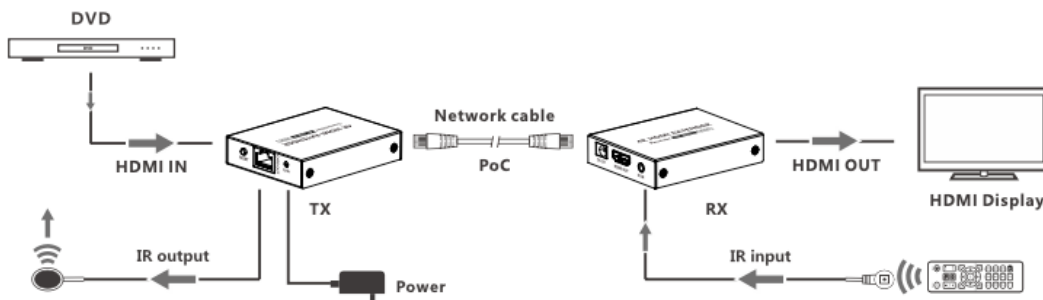# HDMI Extender Over CAT6 70m (ER2601EXP)

Introduction

EiRA ER2601EX HDMI Extender includes a transmitter unit and a receiver unit, allows the HDMI signal to be transmitted up to 70 meters at 1080p resolution using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports IR pass-back. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

Features

- Zero latency.
- Support up to 4K@30Hz resolution.
- Support CAT6/6A/7 network cables, 1080p@60Hz transmission distance is up to 70meters, 4K@30Hz transmission distance is up to 40 meters.
- Support IR pass-back function (20~60KHz). Innovative IR pass back function, perfect improved infrared remote control experience
- Support HDR10.
- Support EDID passthrough.
- Support PoC network cable power supply, only TX power supply is needed.

HDMI Extender Over CAT6 70m (ER2601EXP)

Specifications

Brand	EiRA	
SKU Code	ER2601EXP	
Product Name	HDMI EXTENDER OVER CAT6 (70m)	
Power Supply	Voltage/Current	DC 5V/2A
	Power Consumption	TX+RX < 8W
HDMI Performance and Interface	HDMI compliance	HDMI 1.4
	HDCP compliance	HDCP 1.4
	HDMI resolution	800x600, 1024x768, 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 3840x2160@24/25/30Hz
	Audio Formats	DTS, DTS-HD, PCM, LPCM
	HDR	Support
	EDID through	Support
	IR Pass-back	Frequency Range : 20 ~ 60KHz
	Input and output TMDS signal	0.7 ~ 1.2Vp-p (TMDS)
	Input and output DDC signal	5Vp-p (TTL)
Transmission Distance	CAT6/6A/7	**1080p@60Hz transmission 70 meters** **4K@30Hz transmission 40 meters**
Protection Level	Electrostatic protection of the whole machine	implementation of the standard: IEC61000-4-2 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV)
Operating Environment	Working Temperature	-20 ~ 60°C
	Storage Temperature	-30 ~ 90°C
	Humidity (no condensation)	0 ~ 90%RH
Body Properties	Dimensions	75.0(L) x 60.0(W) x 16.5(H) mm
	Weight	TX: 127g RX: 127G
	Colour	Black
	Material	Aluminium Alloy
Warranty*		1 year

HDMI Extender Over CAT6 70m (ER2601EXP)
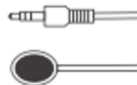
Package Contents

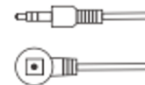Transmitter unit
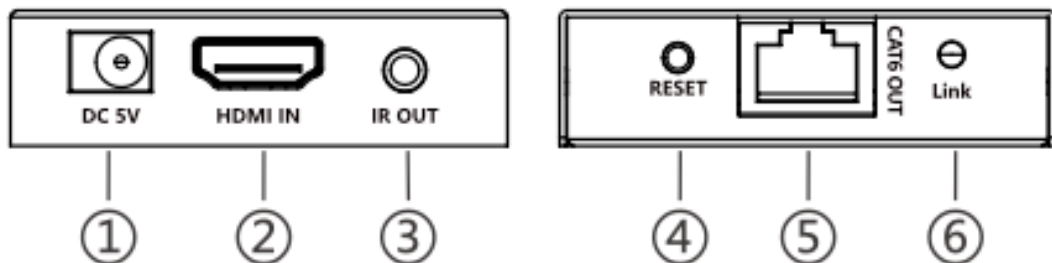x1pc

Receiver unit
x1pc

DC5V/2A
x1pc

User manual
x1pc

IR blaster extension
cable x1pc

IR receiver extension
cable x1pc

Interface

1. Transmitter (TX)
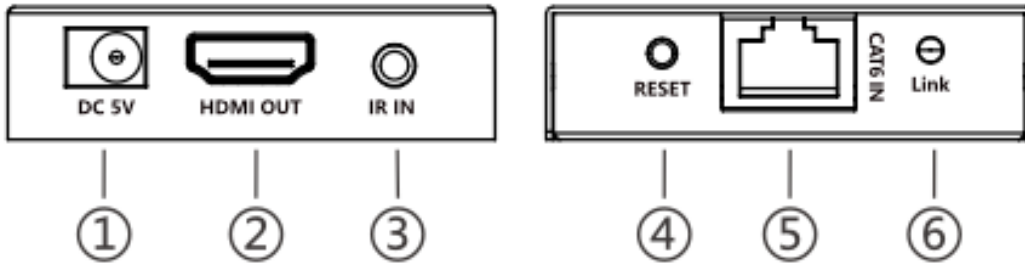
1	Power input	Connect to the 5V/2A DC power adapter.
2	HDMI input	Connect to a HDMI source device.
3	IR out	Connect the IR blaster extension cable, please keep the infrared transmitter as close as possible to the signal source device when using.
4	Reset button	Press the button to restart the device.
5	RJ45 signal output	Output modulated HDMI signal.
6	Signal Indicator	No HDMI signal is transmitted, the indicator flashes. HDMI signal is transmitted, the indicator stays on.

2. Receiver (RX)

1	Power input	PoC, only TX power supply is needed.
2	HDMI output	Connect to a HDMI display device.
3	IR in	Connect the IR receiver extension cable to ensure that the remote control used is within the range of the IR receiving device.
4	Reset button	Press the button to restart the device.
5	RJ45 signal input	Input modulated HDMI signal.
6	Signal Indicator	No HDMI signal is transmitted, the indicator flashes. HDMI signal is transmitted, the indicator stays on.