

HDMI Wireless Extender with One-way IR (100m)



User Manual

VER 1.1

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

This product is based on H.265 standard solution for transmitting one HD source signal to one HD display. It extends distance up to 330ft/100 meters (In an open environment without Wi-Fi interference) between the encoder and decoder via wireless transmission. It supports one-way IR control. It offers high quality configurable and low-bandwidth H.265 compression video. Input video resolution is up to 1920×1080@60Hz; Output video resolution is up to 1080P@60Hz. This wireless extender is designed special to transmit high definition video & audio within one environment.

2. Features

- ☆ HDMI 1.3, HDCP 1.4 and DVI 1.0 compliant
- ☆ Transmit one HDMI HD source signal to one HDMI HD display via wireless technology
- ☆ With one-way IR control
- ☆ Input video resolution is up to 1920×1080@60Hz YCbCr 4:4:4; Output video resolution is up to 1080P@60Hz YCbCr 4:4:4
- ☆ HDMI wireless transmission distance up to 330ft/100m. (In an open environment without Wi-Fi interference.)
- ☆ Supported HDMI audio formats:
Input: LPCM 2.0CH 32KHz/44.1KHz/48KHz/88.2KHz/96KHz/176.4KHz/192KHz
Output: LPCM 2.0CH 48KHz
- ☆ Adopt H.265 high performance codec technology
- ☆ End-to-end delay is less than 120Ms
- ☆ Compact design for easy and flexible installation.

3. Package Contents

Qty	Item
1	HDMI Wireless Extender (Encoder)
1	HDMI Wireless Extender (Decoder)
1	IR Blaster cable (1.5 meters)
1	20~60KHz IR Receiver cable (1.5 meters)
4	5G Wi-Fi Antenna
2	5V/2A Multinational Power Supply
1	User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 1.3
HDCP Compliance	HDCP 1.4
Video Bandwidth	4.95Gbps
Video Resolution	Input: Up to 1920×1080@60Hz Output: Up to 1080P@60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2
Color Depth	8/10/12-bit (1080P@60Hz)
HDMI Audio Formats	Input: LPCM 2.0CH 32KHz/44.1KHz/48KHz/ 88.2KHz/96KHz/176.4KHz/192KHz Output: LPCM 2.0CH 48KHz
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Encoder	Inputs: 1 x HDMI IN [Type A, 19-pin female] Outputs: 1 x IR OUT [3.5mm Stereo Mini-jack] 2 x Wi-Fi OUT [Wi-Fi antenna] Control: 1 x SERVICE [Micro USB, Update port]
Decoder	Inputs: 1 x IR IN [3.5mm Stereo Mini-jack] 2 x WiFi IN [Wi-Fi antenna] Outputs: 1 x HDMI OUT [Type A, 19-pin female] Control: 1 x SERVICE [Micro USB, Update port]
Mechanical	
Housing	Plastic Enclosure
Color	Black
Dimensions	Encoder / Decoder: 76mm [W] x 98mm [D] x 21mm [H]
Weight	Encoder / Decoder: 100g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/2A
Power Consumption	Encoder: 3.5W, Decoder: 2.6W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C