



Website: www.jtechdigital.com

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USER MANUAL

J-Tech Digital® 3D 1080P

HDMI Extender over Single Ethernet

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Dear Customer

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.

FEATURES

- Each set includes one transmitter and one receiver.
- Use single UTP LAN cable(Cat5E/6)to substitute HDMI cable to achieve long distance transmission, the UTP Cable follows the standard of IEEE-568B.
- Transmission distance extend up to 50 meters under 1080P.
- Supports Deep Color up to 36 bits.
- Supports lossless compressed digital audio: Dolby TrueHD, DTS-HD Master Audio.
- Transmit Digital Audio and Video over the CAT6 / CAT5e cable with zero signal loss.
- Data transfer speed 6.75 Gbps.
- DC 5V power supply.
- EDID copy function.

NOTICE

Our company reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

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SPECIFICATIONS

Operating Temperature Range	-5 to +35°C(+23 to +95°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p(TTL)
Support Video Format	DTV/HDTV:576i/480P/576P/720P/1080i/1080P
Video Output	HDMI, HDCP
Support Audio Format	DTS-HD Master Audio、Dolby true-HD etc.
Transmission Distance	1080P 8-bit 50m(Maximum) over single CAT5E/6 /24AWG/Solid®
Power consumption	5watts(Maximum)
Dimension (LxWxH)	83x48x25mm
Net Weight	250g(Pair)

Note1: Specifications are subject to change without notice. Mass and dimensions are approximate.

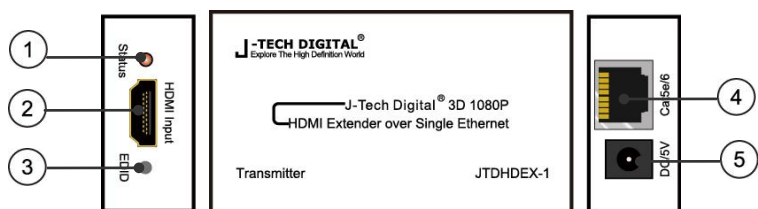
- ① Sink must support 3D video when sources is 3D device
- ② When in 36Bits deepcolor mode, we suggest set the HDMI source device to output 1080i or 720p.

PACKING CONTENTS

- 1) Main Unit: Transmitter & Receiver
- 2) DC 5V 1A x2PCS
- 3) Operating Instructions

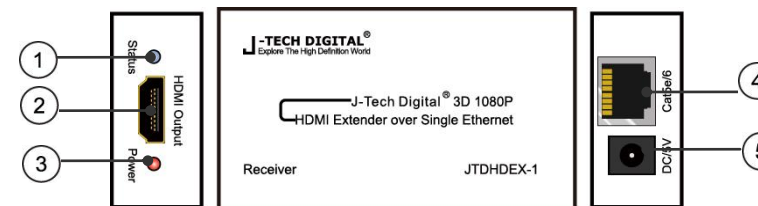
PANEL DESCRIPTIONS

Transmitter Panel



- 1. Status of signal connection
- 2. HDMI input
- 3. EDID copy button
- 4. CAT-5E/6 output
- 5. Power input

Receiver Panel



- 1. Status of signal connection
- 2. HDMI output
- 3. Status of power input
- 4. CAT-5E/6 input
- 5. Power input

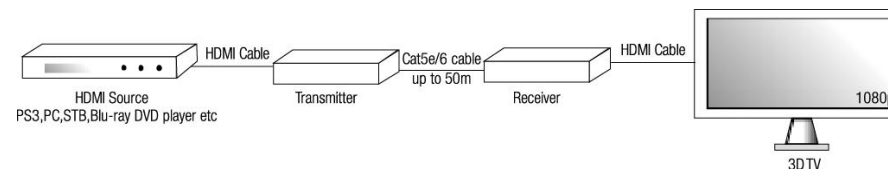
*Note: When the sink can't display the signal, try to connect HDMI transmitter to the display device. Plug the power supply into Transmitter, press the "EDID copy button" and the light flashes, the EDID data has been copied from the display device successfully, at least press "EDID copy button" for 3 seconds, The EDID will be reset to the default setting.

CONNECTING AND OPERATING

- 1) Connect the HDMI signal sources (Such as PS3, STB etc) to HDMI Transmitter.
- 2) Connect CAT5e/6 cable to both the output of the transmitter and input of the Receiver. (The cables must follow the standard of EIA-TIA 568B).
- 3) Connect the HDMI display (Such as HD-LCD, HD-DLP) into the Receiver.

Attention: Insert/Extract cables gently.

Typical Application



MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

PRODUCT SERVICE

1) **Damage requiring service:**

The unit should be serviced by qualified service personnel if:

- (a) The DC power supply cord or AC adaptor has been damaged;
- (b) Objects or liquids have gotten into the unit;
- (c) The unit has been exposed to rain;
- (d) The unit does not operate normally or exhibits a marked change in performance;
- (e) The unit has been dropped or the cabinet damaged.

2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Troubleshooting

1) What kind of cable should be used?

CAT5E/6/24AEG/SOLID

2) Does the JTDHDEX-1 support 3D?

Yes. Connected display must support 3D when source outputs 3D signal

3) What resolutions support 36-bit Deep Color?

1080i and 720P

4) I cannot transmit my signal 50m.

We suggest a source signal of 1080p 8bit and also using pure copper Ethernet cable.

5) How do you perform the EDID copy function?

Connect the transmitter to an available HDMI input port of your display via HDMI cable. Power on your display and set your display's source to the corresponding HDMI input port. Power on your transmitter. Press the EDID button for 1-2 seconds. Your status light will change from red, to green, then back to red. This indicates a successful EDID copy. Disconnect the power adapter from the transmitter before re-connecting the transmitter to your source device.

WARRANTY

Free lifetime technical support from the manufacture and free 1 Year Manufacturer Warranty from J-Tech Digital.

J-TECH DIGITAL®
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