ZENTY

Zenty | Professional A/V Solution Provider

User Manual [V1.0]



4K120Hz HDMI Extender 120ft over CAT6/6A/7 with IR

ZT-489 | ZT-UHDEX-120IR

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HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

RoHS compliant

CE FC

SAFETY PRECAUTIONS

- Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.
- Please keep the following in mind as you unpack and install this equipment:
- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

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1. Introduction

The ZT-UHDEX-120IR HDMI over Ethernet extender helps deliver 4K UHD resolution at 120Hz up to 120ft. over a single CAT6/CAT6A /CAT7 pure copper 23AWG cable. With support for HDR, you can now enjoy your favorite content in its full glory at 4 times the distance compared to a standard HDMI Cable. Bi-directional iR feature allows you to control your source device from the display's location using the source devices remote, or control your display from the source device's location using the display remote.

Take advantage of the 2 EDID settings provided by the ZT-UHDEX-120IR extender. Choose between “STD" mode for 4K 120Hz, or use the “TV" mode for EDID pass-through to the display. HDCP 2.3 (backwards compatible with 2.2 and 1.4) ensures compatibility with a wide variety of compatible sources and displays.

2. Features

- Supports UHD resolution up to 4K@120Hz YUV 4:4:4 with Dsc function up to 120ft.
- HDCP 2.3, HDCP 2.2, and HDCP 1.4 compliant
- Supports High Dynamic Range (HDR) video
- EDID and HDCP bypass
- Digital stream conversion (DSC) function and compatible with DSC 1.2a
- High data transfer rate up to 8Gbps per channel (32Gbps all channels)
- TMDS clock can be up to 800MHz
- Supports 12-bit per channel (36-bit all channels) deep color
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio and Dolby True-HD)

3. What's Included

- (1)xTransmitter
- (1)xReceiver
- (1)xIR TX Cable
- (1)xIR RX Cable
- (2)xDC 12V Power Adapters
- (1)x User Manual

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4. Ports and Interfaces

Transmitter



1. IR In: IR signal input port
2. IR Out: IR signal output port
3. HDMI Input: Connect to HDMI source device
4. Reset: Short press to reset
5. STD /TV: Select “STD” mode for 4K 120Hz or “TV" to pass-through to TV EDID
6. RJ45 OUT: UTP cable output connection port
7. Power: Power LED indicator
8. DC 12V: DC 12V input

Receiver



1. IR In: IR signal input port
2. IR Out: IR signal output port
3. HDMI Output: Connect to HDMI display
4. Reset: Short press to reset
5. RJ45 IN: UTP cable input connection port
6. Power: Power LED indicator
7. DC 12V: DC 12V input

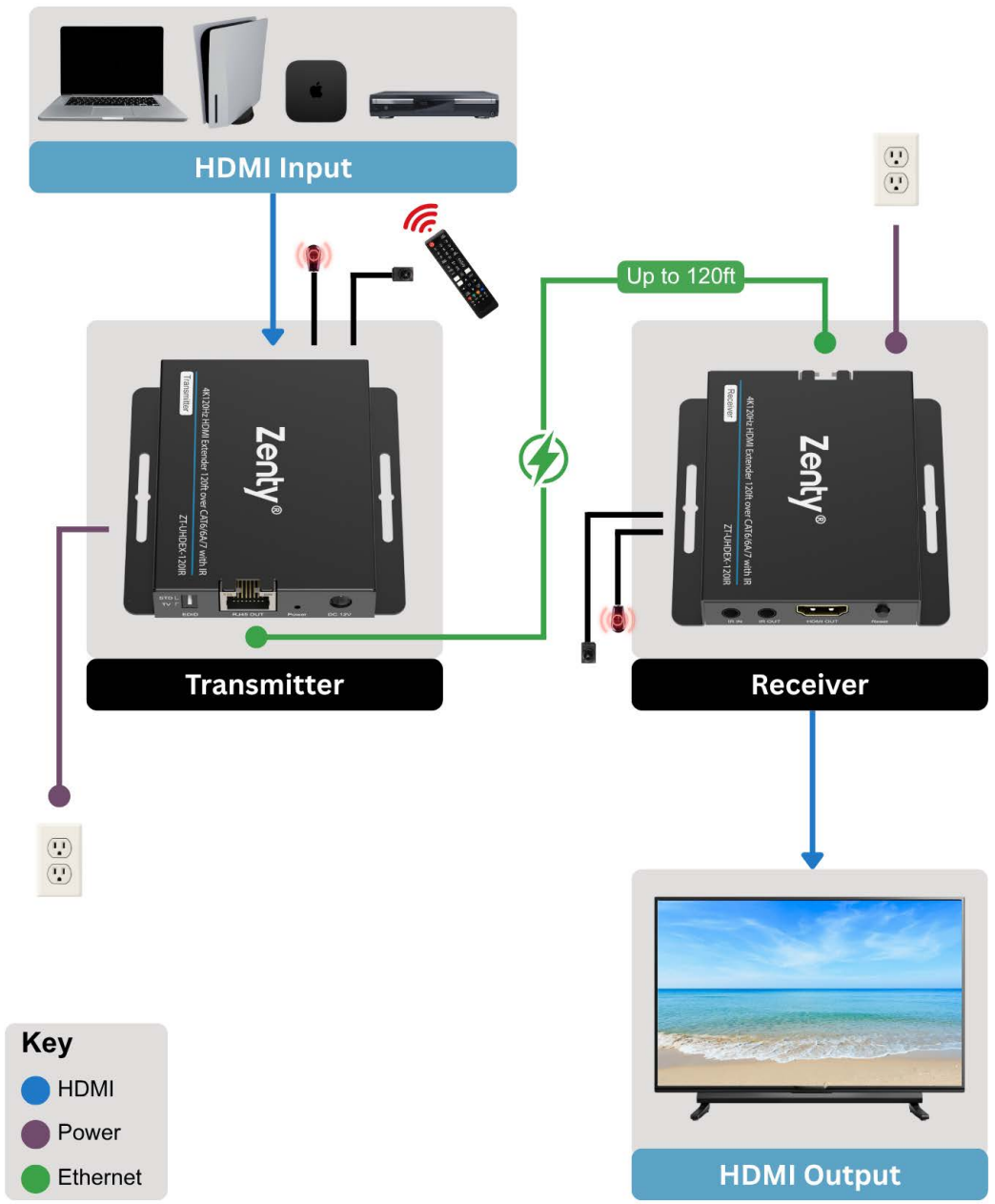
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5. Specifications

Input Ports	1 x HDMI, 1 x RJ45, 2 x 3.5mm
Output Ports	1 x HDMI, 1 x RJ45, 2 x 3.5mm
Extension Distance	4K120Hz 130ft. | 4K60Hz 200ft.
Vertical Frequency Range	50 / 60Hz
IR Frequency Range	20-60KHz
Interlaced Resolutions (50 & 60Hz)	480i, 576i, 1080i
Progressive Resolutions (50 & 60Hz)	480p, 576p, 720p, 1080p, 4K60Hz/4K120Hz
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0°~50°C
Storage Humidity	5~ 90% RH non-condensation
Power Supply	DC 12V
Power Consumption (Max)	TX: 4W, RX: 3.5W
Extender Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Dimension (L x W x H)	W-3.3"x H-2.52"x D-0.57"
Net Weight	TX/RX: 0.26lbs
Material	Metal
User Manual	English Version

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6. Connection Diagram



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7. Maintenance

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

8. Warranty

If your product does not work properly because of a defect in materials of workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (5) Years”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

9. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

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10. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER “LIMITED WARRANTY COVERAGE”. THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTAIL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

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HIGH-DEFINITION MULTIMEDIA INTERFACE

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