

HDMI Extender over UTP Cable

VDHE-300



Features

..

- Extends HDMI 1080p AV and IR Signals
- Transmission distance up to 60m/200ft via CAT6 cable or higher grade cable
- 5V DC, 1A

Important Safety Instructions

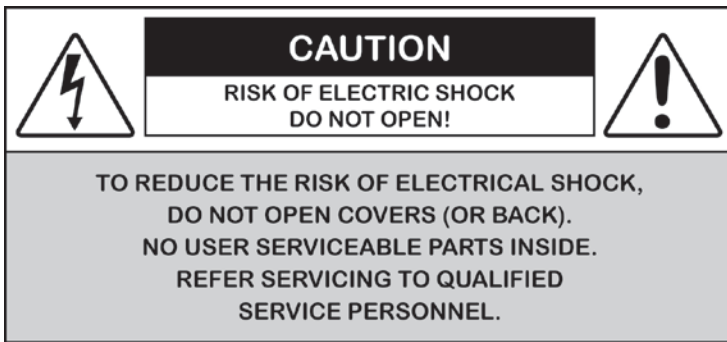
..

1. Before installation, do not mix up the HDMI to RJ45 sender, and the RJ45 to HDMI receiver.
2. Do not hot plug when it is working.
3. Use 5V DC power supply only. Make sure specifications match if using adaptors not supplied by factory.



Please read the Manual before attempting to use this product.

Specifications and appearance are subject to change without notice.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



Caution

..

This product has been tested for conformance to safety regulations and requirements. However, like all electronic equipment, this product should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

1. Handle this product with care

Avoid any shock or bumping of the product. Improper handling could damage the product. Do not handle the unit with wet hands. Provide proper ventilation and air circulation and do not use near water.

2. Requires a proper operating environment

This product is not waterproof and is designed for indoor use. The allowable temperature range for operation of this product is between 0°C~55°C / 32°F~131°F.

3. Check the power source voltage

The power source voltage should be within the specified range. (Product must meet the specifications).

4. Objects and liquid entry

Never push objects of any kind into this product as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.

5. Cleaning

Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

6. Servicing

Do not attempt to service this product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

Package Contents

..

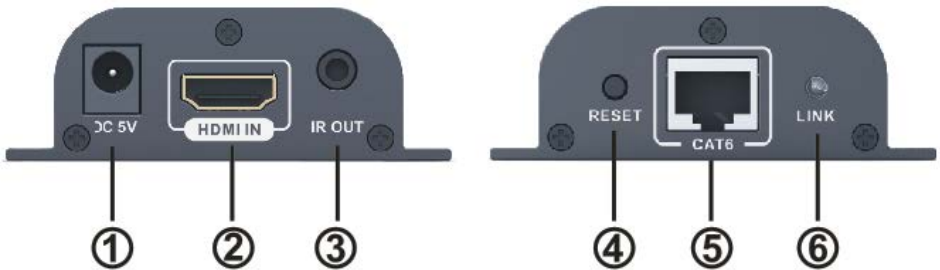
1. One (1) HDMI to RJ45 Sender (Tx)
2. One (1) RJ45 to HDMI Receiver (Rx)
3. Two (2) 5V DC 1A Power Supplies
4. One (1) User Manual
5. One (1) IR Blaster Extension Cable
6. One (1) IR Receiver Extension Cable

For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged.

Parts & Functions

..

Sender (Tx)

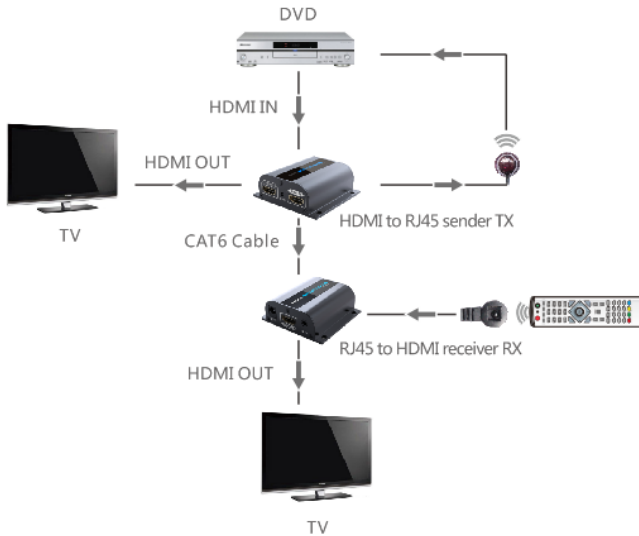


- ① 5V DC power input
- ② HDMI signal input
- ③ IR signal output to connect with the blaster extension cable
- ④ Reset
- ⑤ RJ45 signal output
- ⑥ HDMI signal indicator LED lights on with HDMI signal input, and flashes with no signal input.

Receiver (Rx)



- ① Reset
- ② RJ45 signal input
- ③ RJ45 indicator LED lights on with HDMI signal transmission, and flashes with no signal transmission.
- ④ 5V DC power input
- ⑤ HDMI signal output
- ⑥ IR signal input to connect with the IR receiver extension cable



Hardware Installation

..

1. HDMI source device (computer graphics card, DVD, PS3, HD monitoring equipment etc.
2. HDMI display device like SDTV, HDTV, and projector with HDMI port.
3. UTP / STP cat6 / cat6A / cat7 cable.
4. Follow standard IEEE-568B.
5. Transmit length more than 60m/200ft by CAT6 cable or higher level cable.

Connection Instructions

..

1. Connect TX HDMI input with source device HDMI output. Connect TX HDMI output with HDTV HDMI input.
2. Connect TX CAT6 with RX CAT6.
3. Connect RX HDMI output with HDTV HDMI input.
4. Power on the device.

FAQ

..

- Q: Is it normal to have no image output or audio and video display?
A: 1) Adjust RX "RESET" button to reset the device.
2) Try a shorter network cable to reconnect.
- Q: Why is the RX "LINK" LED flashing all the time?
A: 1) Make sure the network cable connection follows the standard IEEE- 568B.
2) Check whether TX has the HDMI signal input.
3) Reset TX&RX and reconnect.
- Q: The RX "LINK" LED light is on all the time but there is no image output.
A: 1) Press RX "RESET" button to reset the device.
2) Make sure HDMI cable is well connected with the TV.
3) Make sure the network cable is fine copper wires.

Technical Specifications

..

Model	VDHE-300
HDMI Signal	Compatible HDCP
Power Supply	5V DC 1A
Power Consumption	Tx: <2W ; Rx: <2W
Resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
Network Cable	Low resistance and consumption oxygen-free copper core (CAT6, CAT6A, CAT7)
Transmission Length	Transmit length up to 60m/200ft @ 1080p by CAT6 cable
IR Remote Control	Supports 20 ~ 60KHz wide frequency IR remote control
Operating Temperature	0°C ~ 60°C / 32 °F ~ 140°F
Dimension (L x W x H)	72 x 67 x 25 mm / 2.8 x 2.6 x 0.98 inches
Weight	170 g / 0.4 lbs

*Specifications are subject to change without notice

Troubleshooting

..

Issue	Solution
No image output	Adjust Rx "Length" button
Rx "Link" LED is flashing all the time	Make sure network cable connection follows the way of 568B; Check whether Tx has HDMI signal input; Reset Tx or Rx.
Rx "Link" LED lights on all the time but no image output	Adjust Rx "Length" button; Make sure HDMI cable is well connected with TV.

Limited Warranty

..

LIMITED ONE (1) YEAR WARRANTY AND EXCLUSIONS

Manufacturer warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Manufacturer is free of defects in materials and workmanship under normal and proper use for one (1) year from the purchase date. Manufacturer's only obligation is to correct such defects by repair or replacement, at its option, if within such one (1) year period the product is returned prepaid, with proof of purchase date, and a description of the problem. This warrant excludes and there is disclaimed liability for labor for removal of this product or reinstallation. **This warranty is voided if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness or a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warrant, including merchantability and fitness of or a particular purpose, is limited to one (1) year. Manufacturer is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, loss sales or profits or delay or failure to perform this warranty obligation.** The remedies, provided therein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

www.AAS.com.tw

CAUTION!!!

Failure to read this notice may result in damaging the camera or device in which the warranty will be voided due to installation error.

When using any type of RJ45 jack powered balun, a **Cable Tester** must be used to ensure proper connection. Many individuals can make RJ45 connections easily, however mistakes can be made. When making connections for powered baluns, make sure to test the connectivity and ensure proper alignment on both sides.

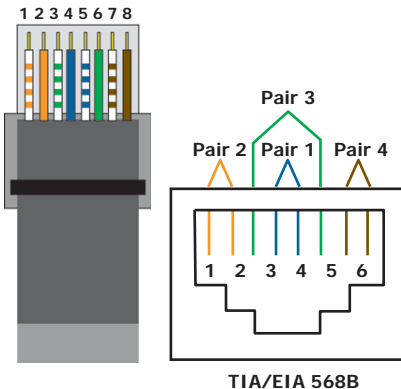


Cable Tester

When using passive or active baluns, the alignment of the cable is imperative to the success of the operation. Use a Cable Tester because it is a very simple, easy to find tool that can save a huge headache. For example, if one of the video wires accidentally gets crimped into the power side and the powered balun is then hooked up to the camera, both the camera and the balun have just burned out. This is an extremely costly mistake, not only in dollars but in time as well. How long does it take to test the RJ45 using a Cable Tester? **Less than one minute.**

The new terms and conditions state: When an RMA is requested and the product has been burned by bad RJ45 connections, the product is NO LONGER covered under warranty.

Note: Whichever way the RJ45 is terminated on one end of the cable, IT MUST BE THE SAME ON THE OTHER SIDE for either TIA/EIA 568A or TIA/EIA 568B. Below is an example of TIA/EIA 568B.



Pin	Pair	Color	Character
1	2	Orange / White	Video +
2	2	Orange	Video -
3	3	Green / White	Power -
4	1	Blue	Power -
5	1	Blue / White	Power -
6	3	Green	Power +
7	4	Brown / White	Power +
8	4	Brown	Power +



MADE IN CHINA