



Description

This HDMI Extender by CAT5 x1 uses a single Cat5 UTP cable with cross stand inside to extend the HDTV display up to 50 meters for 1080p. It not only breaks the limitation of the HDMI cable transmission length, but also has more flexibility and convenience in cable construction.

It is equipped with HDMI (high definition multimedia interface) connector and is capable of supporting DVI (digital visual interface) equipment when used with an HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theatre components.

This product offers solutions for residential consumers: HDTV retail and show site, HDTV, STUB, DVD and Projector factories, noise, space and security concerns, data centre control, information distribution, conference room presentation, school and corporate training environments

Features

- One pair as a full functional module, no need of setting.
- One piece of CAT-5e/6 cable can substitute HDMI cable to achieve long distance transmission.
- Follow the standard of IEEE-568B.
- Transmission distance can be up to 50 meters for 1080p using UTP cable with cross stand inside.
- Auto-adjustment of feedback, equalization and amplify, the user does not need to care about the length of the cable.
- Compact size.
- Supports HDMI1.2a.
- Supports highest video resolution 1080p.
- Supports 165MHz/1.65Gbps per channel (4.95Gbps all channel) bandwidth.
- Supports 8 bit per channel (24 bit all channel) deep colour.
- Supports un-compressed 2 channel audio such as LPCM

Specifications

Signal Inputs/Output

Input Video Signal : 0.5 - 1 Volts p-p
Output Video : HDMI 1.2a

Video Format Supported

DTV/HDTV : 480i/576i/480p/576p/720p/1080i/1080P

Transmission Distance

UTP cable with cross stand inside : 50M for 1080p

Operating Frequency

Video Amplifier Bandwidth : 1.65Gpbs / 165MHz
Vertical Frequency Range : 50/60Hz

Resolutions (HDTV)

Interlaced (50&60Hz) : 480i, 576i, 1080i
Progressive (50&60Hz) : 480p, 576p, 720p, 1080p

Environmental

Operating Temperature	: 0°C to +70°C
Operating Humidity	: 10% to 85% RH (no Condensation)
Storage Temperature	: -10°C to +80°C
Storage Humidity	: 5% to 90% RH (no Condensation)

Power Requirement

External Power Supply	: 5V DC @ 2A
Power Consumption	: 5 Watts (Max.)

Approvals

Converted Unit	: FCC, CE, UL
Power Supply	: UL, CE, FCC

Accessories Adapter

AC Power Adapter	: US standard, UK standard and so on
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Mechanical

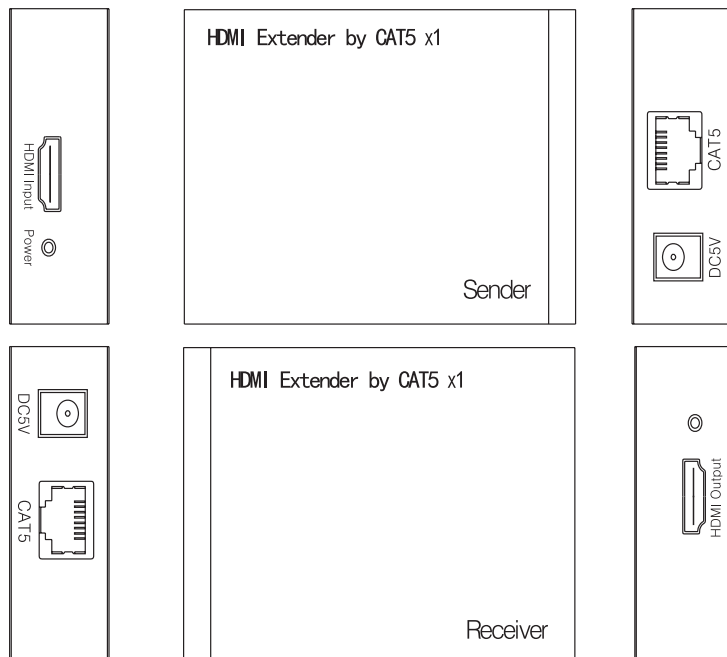
Size (L×W×H)	: 100mm × 65mm × 25.5mm
Weight for Shipping	: 385g
Warranty	: 12 Months

Note:

1. In order to achieve the high transmission quality, please choose the UTP cable with cross stand inside.
2. The cables with lower quality will not achieve the perfect transmission effect and long distance.
3. Theoretically the function of the product is normal when adopt short distance transmission.

If the product cannot transmit long distance, this is to say, there are quality problems in the transmission cables.

Panel Descriptions



Connection and Operation

- 1) Connect the HDMI input source (such as HD-DVD, PS3, STB) to the Sender.
- 2) Connect one piece of CAT-5e/6 cable to both of the output of the Sender and input of the Receiver.
- 3) Connect the output of Receiver to display (such as HD-LCD, HD-DLP)
- 4) Plug one power supply into the Sender and the other into the Receiver.

Attention: Insert / Extract cable gently.

Connection Diagram



Part Number Table

Description	Part Number
Active HDMI Balun / Extender - Single Cat5e Cable	50-15000

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