



# 8-PORT HDMI VIDEO SPLITTER



**User Manual**  
DS-43110

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# HDMI 8Ports Splitter Amplifier by Cat5 x1

## 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.

## 1.0 Introduction

This HDMI Splitter is an HDMI splitter with eight RJ45 outputs. It distributes the input of the HDMI signal into the eight identical outputs simultaneously. Eight HDMI Extender Receivers by Cat5 x1 receive the distributed signal from the splitter and transmit to displays individually.

Each receiver works with the splitter as a full functional module. Only by the most inexpensive UTP cable with cross stand inside the full functional module extend the HDTV display up to 50 meters for 1080p.

This HDMI Splitter offers solutions for HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

## 1.1 Features

This HDMI Splitter has many features that enable it to perform in a superior manner.

Among those features you will find:

- Easy to Use: Install in seconds, no need of setting.
- One pair as a full functional module,
- 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.
- Supports highest video resolution 1080p.
- Supports 165MHz/1.65Gbps per channel (4.95Gbps all channel) bandwidth.
- Supports 8bit per channel (24bit all channel) deep color.
- Supports uncompressed audio such as LPCM

## 2.0 SPECIFICATIONS

<b>Signal Inputs/Output</b>	
Input DDC Signal	5 volts p-p (TTL)
Maximum Single Link Range	1920X1080p
Output Video	HDMI
<b>Operating Frequency</b>	
Video Amplifier Bandwidth	1.65Gpbs/165MHz
Vertical Frequency Range	50/60Hz
<b>Resolutions(HDTV)</b>	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
<b>Mechanical</b>	
Size of HDMI 8Ports Splitter Amplifier (L-W-H)	441×202×45mm
Weight of HDMI 8Ports Splitter Amplifier (Net)	2218g
Size of Receiver (L-W-H)	100×65×25.5MM
Weight of Receiver (Net)	385G
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
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)
<b>Power Requirement</b>	
Power Supply for HDMI 8Ports Splitter Amplifier	5V DC@4A, 15W
Power Supply for Receiver	5V DC@2A, 5W
<b>Regulatory Approvals</b>	
Converter Unit	FCC,CE,UL
Power Supply	UL,CE,FCC
<b>Accessories Adapter</b>	
AC Power Adapter	US standard, UK standard and so on
User Manual	English Version

**Note: Specifications are subject to change without notice.**

## 3.0 Package Contents

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

### Packaging of Main Unit

- 1) HDMI 8Ports Splitter Amplifier
- 2) User's Manual.

### Packaging of Accessories

- 3) Eight Receivers
- 4) Nine pieces of 5V DC Power Supply.  
(one 5V@4A, eight 5V@2A)

## 4.0 Panel Descriptions

HDMI-Splitter 1x8 by Cat5 x1



## 5.0 ConnectiON and OperatiON

- 1) Connect the single HDMI source (such as HD-DVD, PS3, STB ) to the main HDMI input using a piece of HDMI cable.
- 2) Connect each piece of CAT-5e/6 cable to both of the output of the HDMI 8-Ports Splitter Amplifier and input of the Receiver.
- 3) Connect outputs of Receivers to displays ( such as HD-LCD, HD-DLP)
- 4) Plug the 5V@ 4A power supply into the HDMI 8Ports Splitter Amplifier and the 5V@2A power suppliers to each Receiver individually.

**Attention: Insert / Extract cable gently.**

# 5.1 CONNECTION DIAGRAM

