HDMI®

HIGH-DEFINITION MULTIMEDIA INTERFACE

USER MANUAL

8K 1X4 HDMI splitter

Enjoy the vivid world

Introduction

The 1x4 HDMI Splitter uses a single HDMI source,accessing to multiple HDMI sinks.It allows one HDMI device to be split easily to 4 HDMI compatible monitors or projectors. In addition，it can be placed at the end of a long HDMI cable to regenerate the HDMI signal. The resolutionof this hdmi splitter can be up to 7680X4320/60Hz.This product can support EDID management function, comes with eight kinds of EDID mode, the users can choose according to their own needs. In addition, it is with built-in IR extension function, it can work with our hdmi 2.0 repeater which has IR-RX to receive the IR command to control the source.

Features

* Support HDR;
* Support 3D video format;
* Support CEC (only output1);
* Support high resolution up to 7680X4320/60Hz;
* Support the max baud rate of 40Gbps;
* Support 8/10/12 bit deep color;
* Built-in IR extension function. (it can work with our hdmi 2.0 repeater which has IR-RX to receive the IR command to remote control the source);
* Support EDID management;
* Support IR-TX （only output2-4)

Specifications

HDMI resolution ……….....…….…….…….…….…….….............. up to 7680*4320/60Hz
Support video format …….…….…….…….…….…….….............. 8/10/12bit Deep color
Support audio format …….…….…….......... DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD
Max baud rate …….…….…….…….…….…….…….…….…….…….…….…….…….…. 40Gbps
Input cable distance …….…….…….......... (8K/60Hz resolution)≤5m HDMI 2.1 standard cable
Output cable distance …….…….…….…….. (8K/60Hz resolution)≤5m HDMI 2.1 standard cable
Max working current …….…….…….…….…….….............…….…….…….…….…….…. 0.7A
Power adapter format …….…….......... input AC (50Hz, 60Hz) 100V-240V; output: DC5V/2A
Operating Temperature range …….…….…….….............…….…….….... (-15℃ to +55℃)
Dimension (L x W x H) …….…….…….............…….….............….......…. 211x78x27 (mm)
Weight …….…….…….…….…….…….….............…….…….…….…….….............……… 504g

Application diagrams

Audio-visual conference

TV market

Home theater

Physical interface diagram

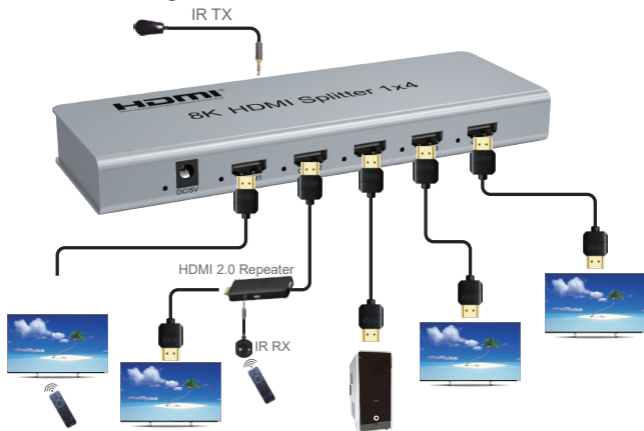| Interface	Functional description
RS232	RS232 port ,serial port online upgrade
IR	IR TX Extension Interface
EDID	DIP switch, using for EDID management
DC/5V	5V Power Interface
OUTPUT1-4	HDMI output port 1-4
INPUT	HDMI input port

IR Extension description

There is an IR TX Extension port, it can work with an optional HDMI 2.0 repeater which works as IR-RX and IR extended via HDMI cable.

DIP EDID Switch Description

1 2 3 4	
X 0 0 0	copy output1 EDID only
X 0 0 1	Downward compatibility(1-4) outputs
X 0 1 0	4K/60Hz 2ch
X 0 1 1	1080p 3D 2ch
X 1 0 0	8K/60Hz 5.1ch
X 1 0 1	4K/30Hz 2ch
X 1 1 0	1080p 2D 2ch
X 1 1 1	1080p 2D 5.1ch

DIP1 is used for upgrades, 1 is upgrading mode, 0 is normal working mode (switch down is 1, otherwise is 0)

Connection diagrams

Connection and operation

1: connect the HD source to the splitter input with one HDMI cable
2: connect the splitter output to the diaplays with 4 HDMI cables
3: connect 5V/2A power adapter to the splitter

The package includes

1. HDMI splitter	1pc	4: IR cable (optional)	
2. Power adapter	1pc	5: HDMI repeater (optional)	
3. User manual	1pc		