

USER MANUAL

1X8 HDMI 2.0 splitter

(HDMI 2.0,HDCP2.2 ,4K,IR extension, EDID management, RS232)

JHS21/1x8/4K

Enjoy the vivid world !

INTRODUCTION

This 1x8 HDMI Splitter uses a single HDMI source, accessing to multiple HDMI sinks. It allows one HDMI device to be split easily to eight 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 resolution of this hdmi splitter can be up to 3840X2160/60Hz.

This splitter supports EDID management function, comes with eight kinds of EDID mode, the users can choose according to their own needs. In addition, this product is also built-in IR extension function, can work with our hdmi 2.0 repeater which has IR-RX receiving the IR command to control the source.



FEATURES

- Support HDMI 2.0 ,HDCP2.2
- Support HDR
- Support 3D video format
- Support CEC(only output 1)
- Support high resolution up to 3840X2160/60Hz
- Support highest rate of 6 G and TMDS clock can be up to 600 MHz
- Support 8/10/12 bit deep color
- Support AWG26 HDMI standard cable:
 - when the resolution is 1080p and below, input up to 8 meters,output to 8 meters.
 - when the resolution is 4K, input up to 8 meters, output up to 8 meters.
- Support one single HDMI source, accessing to multiple HDMI sinks, the source can be DVD player, A/V receiver, set top box and etc.
- Built-in IR extension function
- Remote control the source (via the IR-RX of HDMI repeater which splitter works with to

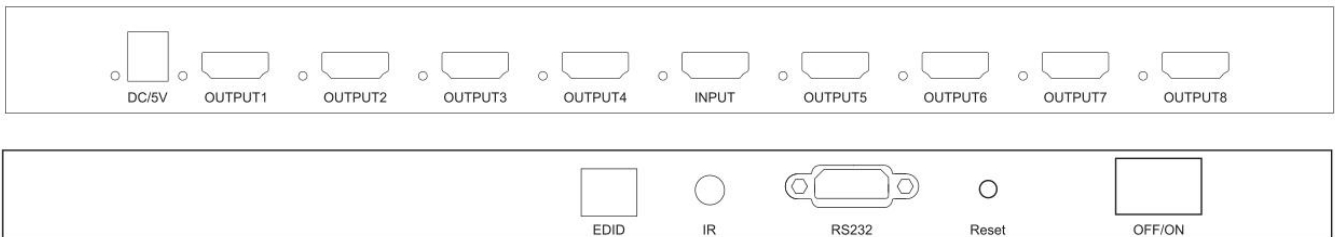
receive the IR command)

- Support serial port online upgrade
- Support EDID management
- Support output downscaling

Specifications:

HDMI version HDMI 2.0
HDCP version HDCP 2.2
HDMI resolution up to 3840*2160/60Hz
Support video format 8/10/12bit Deep color
Support audio format.....DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD
Max bandwidth.....600MHz
Max baud rate.....6Gbps
Input cable distance.....(1080p resolution) ≤8m,(4K resolution)≤8m
AWG26 HDMI standard cable
Output cable distance.....(1080p resolution) ≤8m,(4K resolution)≤8m
AWG26 HDMI standard cable
Max working current.....2 A
Power adapter format.....input AC (50HZ, 60HZ) 100V-240V; output: DC5V/3A
Operating Temperature range.....(-15 to +55°C)
Dimension (L x W x H).....310x90x24 (mm)
Weight.....864g

Product interface pictures



Interface	Functional description
DC/5V	5V Power Interface
OUTPUT1-8	HDMI OUT1-8
INPUT	HDMI IN
EDID	DIP switch, using for EDID management
IR	IR TX Extension Interface
RS232	RS232 port, serial port online upgrade
Reset	Reset button
OFF/ON	Power switch

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	EDID MIX (HDR)
X	0	1	0	EDID Download (RS232)
X	0	1	1	4K/30Hz 2ch
X	1	0	0	4K/60Hz 2ch
X	1	0	1	1080p 3D 2ch
X	1	1	0	1080p 2D 2ch
X	1	1	1	1080p 2D 5.1ch

Only output 1 can support CEC function, output 2~8 support IR extension function.

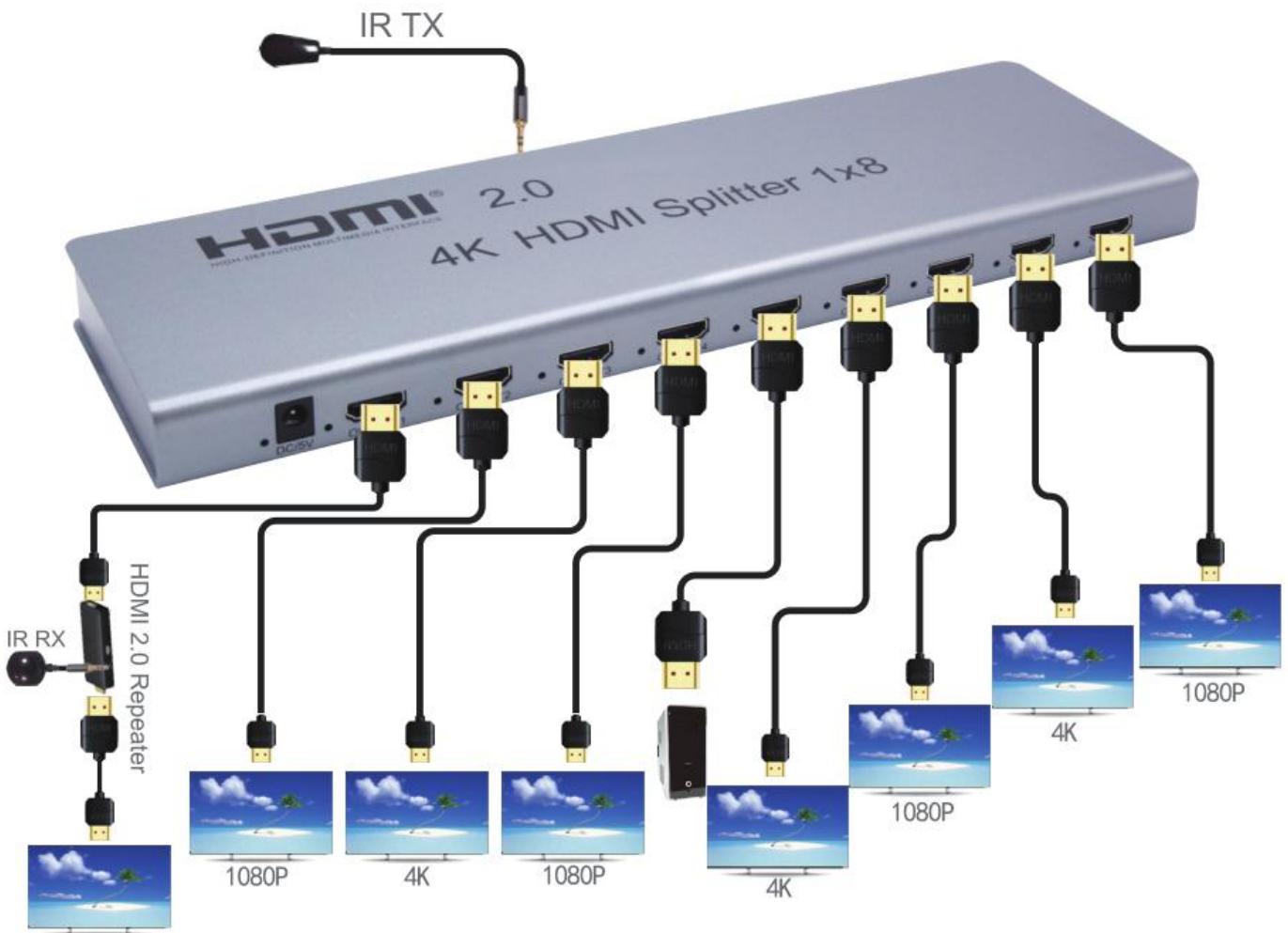
Working Mode Description :

There are two working mode for product, normal working mode and upgrading mode, which is decided by DIP EDID switch 1, 1 is upgrading mode, 0 is normal working mode.(switch down is 1, otherwise is 0)

Connection and Operation:

- 1: connect the HD source to the splitter input with one hdmi cable
- 2: connect the splitter output to the displays with 8 hdmi cables
- 3: connect 5V/3A power adapter to the splitter
4. Reset button: it's a Reset key for system Reset.

Application diagram:



Package include :

- 1. HDMI splitter x1pc
- 2. Power adapter x1pc
- 3. User manual x1pc