ARC-SP188 UHD 1x8 HDMI Splitter

User manual

V1.0ep

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.

I. Introduction

This 1 by 8 HDMI UHD Splitter with HDCP 2.2 is an advanced solution for splitting a single HDMI input to eight HDMI outputs. It provides high performance audio and video output through HDMI cables up to 4K2K@60Hz (YUV444) resolution and is capable of receiving and transmitting up to 18Gbps of bandwidth with no data loss. Supporting the latest features you can be assured of reliable and high quality HDMI distribution.

II. Features

1. Compliant with HDMI2.0, HDCP2.2 and DVI 1.0;

2. Support video format up to 4k2k@30Hz with 24bit RGB/YcbCR 4:4:4/YCBCR 4:2:2,and up to 4k2k@60Hz with 12bit YCBCR 4:4:4;

3. Support 3D frame sequential video format up to 1080p@60;

4. Support high resolution VESA mode video format up to QSXGA@60Hz;

5. Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio;

6. Supports smart EDID control;

III. Package

1. UHD 1x8 HDMI Splitter --- 1PC

2. 12V2.5A DC Power adapter --- 1PC

3. Operation Manual --- 1PC

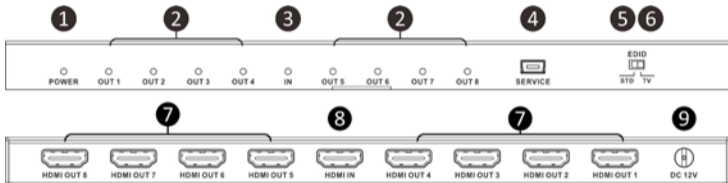**IV. Specifications**

1.	Video Bandwidth	600MHz/18Gbps
2.	Input Ports	1 × HDMI (Female type)
3.	Output Ports	8 × HDMI (Female type),
4.	Output Resolution	480i ~1080p50/60, 4Kx2K@24/30, 4k2k@60Hz

5.	ESD Protection	Human Body model:	±8 kV (air-gap discharge)
			±4 kV (contact discharge)
6.	Power Supply	12V/2.5A DC (US/EU standards, CE/FCC/UL certified)
7.	Dimensions	105 mm (W) × 245 mm (D) × 16 mm (H)
8.	Weight	630g
9.	Chassis Material	Metal
10.	Operating Temperature	0 °C~40 °C/ 32 °F~104 °F
11.	Storage Temperature	−20 °C ~ 60 °C/−4 °F ~140 °F
12.	Relative Humidity	20~90 % RH (non-condensing)
13.	Power Consumption (Max)	30W

V. Operation controls and Functions

Front Panel & Rear Panel

1. **POWER LED:** This blue LED illuminate when the device is connected with power supply.

2. **OUT LED:** These blue LEDs will light up to indicate which HDMI outputs are connected to an active TV/display/monitor.

3. **IN LED:** This blue LED illuminate when the Source connected to the device.

4. **SERVICE:** Manufacturer use only.

5. **EDID STD:** When in 'STD' mode, the unit will use its own built-in EDID settings. In this

mode, the video output will be set to 1080p@60Hz and the audio output at LPCM 2CH Stereo. Use this mode if there are display problems in TV Mode.

6. **EDID TV:** When in 'TV' mode, the unit will read the EDID settings of the display device connected to HDMI OUT 1. If it detects a 4K2K capable EDID setting it will transmit the signal in that format to all outputs. If no 4K2K capable EDID is detected then the unit will output the best resolution that all displays can support.

7. **HDMI OUT 1~8:** Connect each of the HDMI outputs to an HDMI display for simultaneous HDMI distribution, or cascade the output to another transmitter to extend the operating distance.

8. **HDMI IN:** Connect the input port to the HDMI or DVI output of your source device such as a DVD player or set-top box with an HDMI cable.

9. **DC 12V:** Plug the 12V DC power supply into the unit and connected the adaptor to an AC outlet.

VI. Application Example