



CPRO-U8T

1 by 8 UHD HDMI Splitter



Operation Manual



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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	10/03/16	Preliminary Release

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1. INTRODUCTION

The 1 by 8 UHD HDMI Splitter is an advanced solution for splitting and distributing a single HDMI input to 8 HDMI outputs. It provides high performance audio and video output up to 4K2K@60Hz (YUV420) resolution and is capable of provide high levels of audio and video performance. It supports pass-through of high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192kHz. The System Reset function allows the unit to reset the TV to its default HDMI input automatically.

2. APPLICATIONS

- Lecture Room/Hall Presentation
- Show Room/Demo Room
- Public Commercial Display

3. PACKAGE CONTENTS

- 1 by 8 HDMI splitter
- 5V/2.6A DC Power Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

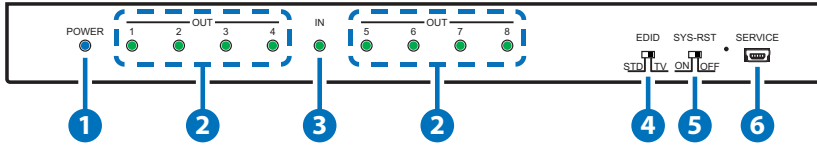
Input source equipment such as Blu-ray/DVD/PS3 player or Set-Top-Box and output with HDMI TV/Display and or audio amplifier with connection cables.

5. FEATURES

- HDMI 2.0 with 4Kx2K supported, HDCP1.4 and DVI compliant
- 1 HDMI input and 8 HDMI outputs
- System Reset function supported (CEC active source command)
- Simultaneous displays of a single Ultra High-Definition sources on up to 8 UHDTV displays
- 3D pass-through with compatible 3D source and 3D TV
- Supports UHDTV resolutions up to 4Kx2K:3840x2160 & 4096x2160
- Supports pass-through of high definition audio: LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- HDMI input supports 'Standard' mode and 'TV' mode EDID settings

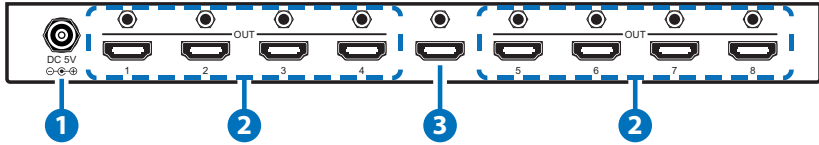
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



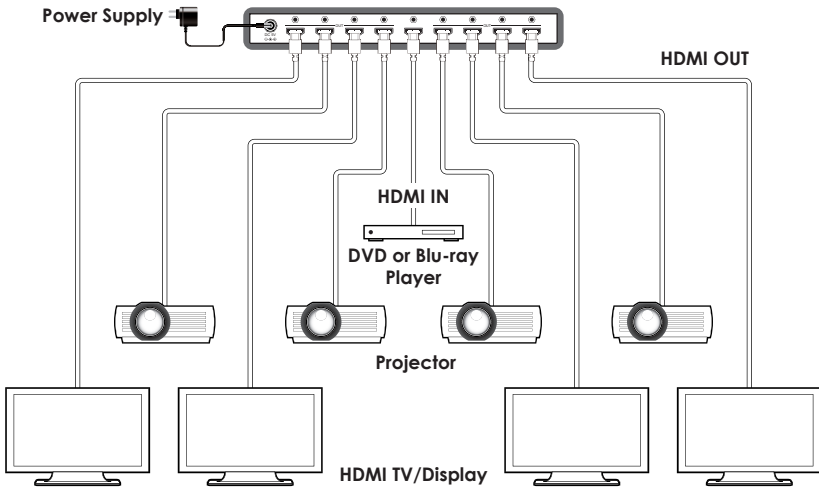
- 1 POWER:** This LED will illuminate when the device is connected to an active power supply.
- 2 OUT LED 1~8:** When output detected, the LED will illuminate, and when output is not connected, the LED will off.
- 3 IN:** When input detected, the LED will illuminate. When input is not connected, the LED light will be off.
- 4 SYS-RST:** Switch the dip switch from off to on, the unit will trigger TV to its HDMI input immediately, when stays in on, the unit will trigger the system in every 8~10 minutes. (*The purpose of reset is to guarantee all outputs are displaying the corresponding image. For example, at the display side user may switch to different HDMI input or select other sources and this reset function will force the display to switch back to its HDMI input. TV/displays shall support CEC function in order to perform this function successfully.)
- 5 EDID:** Switch the dip switch to choose EDID mode to Standard (STD) or TV mode. When on TV mode, the unit will automatically detect and store output 1 sink EDID data. Switch to STD mode and reboot the unit, the unit will search the suitable resolution out of all connected display with video standard at 1080p and audio standard at LPCM 2 channel.
- 6 SERVICE:** This is reserved for firmware update use only.

6.2 Rear Panel



- 1 **DC 5V:** Connect the adapter included in the package and connect to AC wall outlet for power supply.
- 2 **OUTPUT 1~8:** Connect to HDMI TV / display or HD amplifier for output display.
- 3 **INPUT:** Connect with HDMI source equipment such as Blu-ray/PS4 players and or PC/Laptop devices.

7. CONNECTION DIAGRAM





8. SPECIFICATIONS

8.1 Technical Specifications

Video Bandwidth	300MHz/9Gbps
Input Ports	1 x HDMI 1 x USB(Service)
Output Ports	8 x HDMI
Supported Resolutions	VGA~WUXGA 480i~1080p@24/50/60 4K2K@24/25/30 4K2K@50/60(YUV420)
HDMI Cable I/O Distance*	5m@4K2K/60_YUV420 10m@1080p
ESD Protection	Human Body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Power Supply	5VDC/2.6A (US/EU standards, CE/FCC/ UL certified)
Dimensions	260mm (W) x 68mm (D) x 22mm (H) (Jacks excluded) 260mm (W) x 76.5mm (D) x 26mm (H) (Jacks included)
Weight	488 g
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	Operating from 0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C / -4 °F ~ 140 °F
Relative Humidity	20 ~ 90% RH (no condensation)
Power Consumption	3.63 W

8.2 Supported Resolutions

DVI and HDMI Supported Resolutions	Input	Output
640x480@60/72/75/85	✓	✓
800x600@56/60/72/75/85	✓	✓
1024x768@60/70/75/85	✓	✓
1280x1024@60	✓	✓
1366x768@60	✓	✓
1600x1200@60	✓	✓
1920x1080@60	✓	✓
1920x1200@60	✓	✓
1440x576i@50	✓	✓
1440x480i@59.94/60	✓	✓
720x480p@59.94/60	✓	✓
720x576p@50	✓	✓
1280x720p@50/59.94/60	✓	✓
1920x1080i@50/59.94/60	✓	✓
1920x1080p@23.97/24/25/29.97/30/50/59.94/60	✓	✓
3840x2160@24/25/30	✓	✓
3840x2160@50/60_YUV420	✓	✓
4096x2160@24/25/30	✓	✓
4096x2160@50/60_YUV420	✓	✓



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