

CDVI-2S/4S/8S

1 by 2/ 1 by 4/ 1 by 8 DVI
Splitter

Operation Manual



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• **Trademark Acknowledgments**

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• **Safety Precautions**

Please read all instructions before attempting to unpack or 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 module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

<i>Version No</i>	<i>Date</i>	<i>Summary of Change</i>
VR0	20110901	Preliminary Release
VR1	20120307	Combine 1x2 & 1x4

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1. Introduction

The DVI Splitter series are with high performance HDCP compliant DVI distribution amplifier. It allows one DVI signal source to split up to two/four/eight identical and buffered outputs for connecting to 8 DVI displays simultaneously. Convertible with HDMI signal with adaptor includes digital audio signal supporting up to 192kHz. Further, each of the buffered output can run up to 10 meters and can be cascaded.

2. Applications

- Simultaneous multi channel display
- Showroom display
- Educational demonstration
- Installation usage

3. Package Contents

- DVI Splitter
- 5V DC Power Adaptor
- Operation Manual

4. System Requirements

Input source equipment such as PC/NB or Blu-ray player signal with DVI or HDMI to DVI adaptor cable and output to display monitor or TV with DVI connection cable.

5. Features

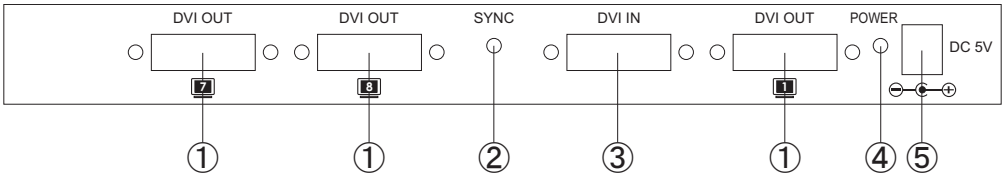
- HDMI 1.3 and DVI 1.0 compliant
- Compatible with HDMI signal with adaptor cable
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA and 480p to 1080p
- Can be cascaded up to 3 layers
- Each of the buffered output can run up to 15M/8bits or 10M/12bits
- EDID: The device will read EDID of output 1 and will record it

6. Specifications

Input Port	1 x DVI
Output Ports	2/4/8 x DVI
Audio Sampling Rate	Up to 192 kHz
Power Supply	5V DC / 2.6A (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 6\text{kV}$ (contact discharge)
Dimensions (mm)	102 (W) x 125 (D) x 30 (H)/2S 102 (W) x 141 (D) x 38 (H)/4S 240 (W) x 103 (D) x 29 (H)/8S
Weight(g)	280/2S, 550/4S, 550/8S
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Power Consumption	3.5W/2S, 6W/4S, 10W/8S
Relative Humidity	20 ~ 90%RH (non-condensing)

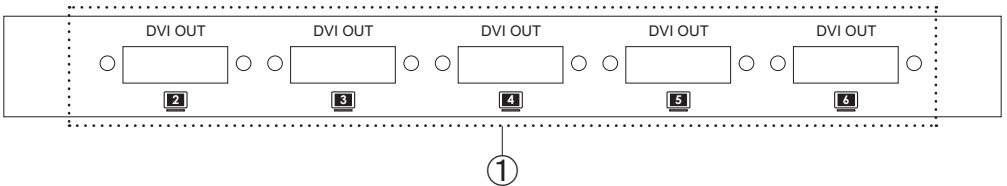
7. Operation Controls and Functions

7.1 Front Panel



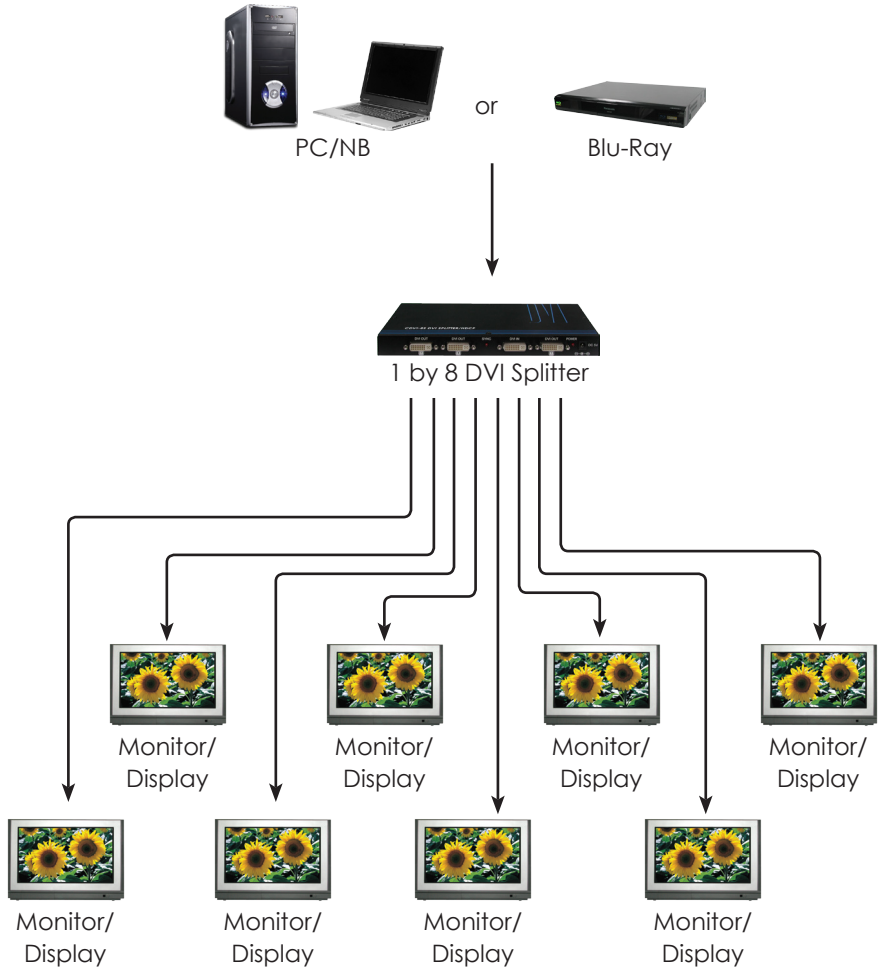
- ① DVI OUT 7/8/1: These slots are to connect to the displays with DVI cables.
- ② SYNC LED: This LED will illuminate in RED when the source signal is connected and detected by the unit.
- ③ DVI IN: This slot is to connect with input source equipment such as graphic card or PC for input signal sending.
- ④ POWER LED: This LED will illuminate when the power is connected with power supply.
- ⑤ DC 5V: Plug the 5V DC power supply into the unit and connect the adaptor to AC wall outlet.

7.2 Rear Panel



- ① DVI OUT 2~6: These slots are to connect to the displays with DVI cables.

8. Connection and Installation





Acronyms

Acronym

Complete Term

DVI

Digital Visual Interface

HDCP

High-bandwidth Digital Content Protection

HDMI

High-Definition Multimedia Interface



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