CDVI-2DDS/4DDS

Dual-link DVI 1:2/1:4 Splitter

Dual-Link DVI OUT
Dual-Link DVI IN
LINK
POWER
DC 5V
CDVI-4DDS Dual-Link DVI SPLITTER

Operation Manual

DRAFT

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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.

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REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	06/10/11	Preliminary Release
RDV2	15/03/12	Add 4DDS

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1. INTRODUCTION

The Dual-Link DVI splitter allows a single DVI-D signal to be split into two/four DVI outputs. Accept both Single-Link and Dual-Link DVI signal with supporting the highest resolution of WQXGA for Dual-Link and WUXGA@RB for Single-Link DVI this wonderful device allows users with a multi-screen viewing.

2. APPLICATIONS

- Commercial advertising, displaying
- Lecture room display
- Showroom display

3. PACKAGE CONTENTS

- Dual-Link DVI Splitter
- 5V/2.6A or 4A DC adaptor
- Operation manual

4. SYSTEM REQUIREMENT

Input source equipments such as PC and output DVI display with DVI cables.

5. FEATURES

- Supports video resolutions up to WQXGA with Dual-Link DVI or WUXGA with Single-Link DVI
- Built-in adaptive equalizer provides long cable support
- Support EDID function
- Individual control of hot plug detect

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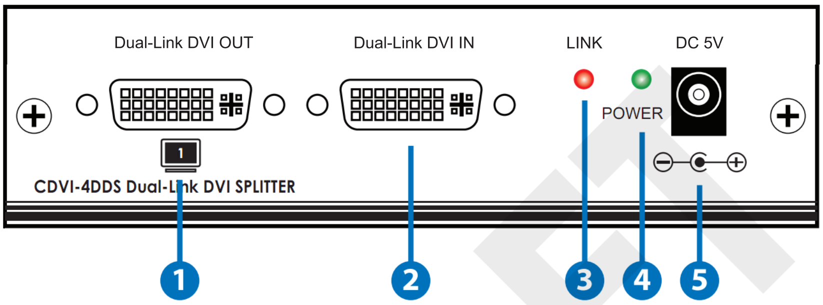
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel


Dual-Link DVI OUT
Dual-Link DVI IN
LINK
DC 5V
POWER
1
CDVI-4DDS Dual-Link DVI SPLITTER
1
2
3
4
5

① Dual-Link DVI OUT1

This slot is to connect with DVI output display with DVI cable for synchronize outputs up to 2/4.

② Dual-Link DVI IN

This slot is to connect with the input source such as PC/Graphic card with Dual-Link DVI cable.

③ LINK LED

This LED will illuminate when the input source has send out signal and the output display is in power on status.

④ POWER LED

This LED will illuminate when the device is connected to power adaptor with AC supply.

⑤ DC 5V

Plug the 5V DC power supply included in the package into the unit and connect it to AC wall outlet.

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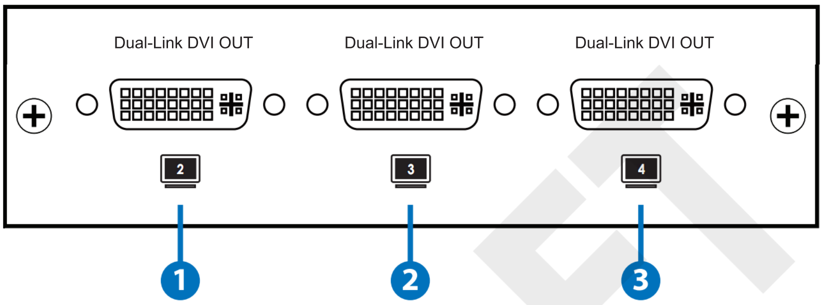
6.2 Rear Panel

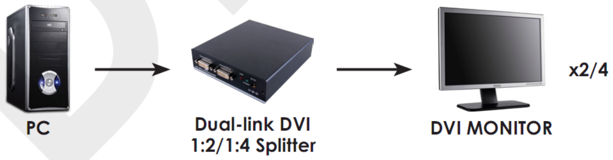

Dual-Link DVI OUT
Dual-Link DVI OUT
Dual-Link DVI OUT
2
3
4
1
2
3

① Dual-Link DVI OUT2~4

This slot is to connect with DVI output display with DVI cable for synchronize output with OUT 1.

Note: The device will detect OUT 1 as the primary EDID information when both outputs are connected with active monitor. However, when only 1 output is detected then the device will treat that as the primary EDID information.

7. CONNECTION DIAGRAM


PC
Dual-link DVI
1:2/1:4 Splitter
DVI MONITOR
x2/4

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8. SPECIFICATIONS

Video Bandwidth	2 x 165MHz
Input Port	1 x Dual-Link DVI
Output Ports	2 or 4 x Dual-Link DVI
I/O Support Resolution	VGA ~ WQXGA@60 / Dual-Link *VGA~ WUXGA@60RB / Single-Link*
ESD Protection	Human body model: ± 8kV(Air-gap discharge) ± 4kV(Contact discharge)
Power Supply	5V/2.6A for 2DDS or 5V/4A for 4DDS DC (US/EU standards, CE/FCC/UL certified)
Dimensions	125 mm (W) × 102.5 mm (D) × 30 mm (H)/2DDS 141 mm (W) × 163 mm (D) × 38 mm (H)/4DDS
Weight	288g/2DDS, 670g/4DDS
Chassis Material	Metal
Silkscreen Colour	Black
Operating Temperature	0 ˚C~40 ˚C / 32 ˚F~104 ˚F
Storage Temperature	−20 ˚C~60 ˚C / −4 ˚F~140 ˚F
Relative Humidity	20 ~ 90% RH (non-condensing)
Power Consumption	6.8 W/2DDS, 17W/4DDS

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9. ACRONYMS

ACRONYM	COMPLETE TERM
DVI	Digital Visual Interface

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