3D to 2D Demultiplexer Box

- ID# 894

Operation Manual

Introduction

3D to 2D Demultiplexer Box system is designed to convert a 3D HDMI v1.4 video signal in 'Side-by-Side' (Left-eye/Right-eye) or 'Frame Packing' (Top/Bottom) format, to an HDMI 2D v1.3 video signal compatible for use in applications with two HDMI 2D projectors or one HDMI 2D HDTV. A quality product perfect for converting a 3D video signal input from your 3D DVD or BluRay player to an HDMI 1080p@60Hz 2D video signal output. Ideal for quality movie viewing using your existing 2D HD equipment.

The 3D to 2D Demultiplexer Box automatically detects the received 3D format of the source equipment ('Left-eye/Right-eye' or 'Top/Bottom'). Simple front-panel button operation selects the 3D Demultiplex conversion to be performed to output a compatible HDMI 2D 1080p@60Hz video signal for connection to your 2D projectors or HDTV. Full support for video input resolutions in 2D: 480i/p ~ 1080i/p@50/60Hz and 3D: 720p@50/60Hz (Side-by-Side / Frame Packing) and 1080p@24Hz (Frame Packing).

With simple plug-n-play installation and one touch button operation, backed by quality manufacture and assurance, the 3D to 2D Demultiplexer Box will negate the need to update your existing 2D equipment to be able to watch 3D video content.

Features

- Support 3D content separations for Left/Right side
- Automatically detect 2D or 3D contents
- Automatically detect 3D contents is Side-by-Side or Frame Packing
- Input resolution support:
  2D: 480i/p, 576i/p, 720p@50/60, 1080i@50/60 and 1080p@50/60
  3D: 720p@50/60 (Frame Packing and Side-by-Side)
  1080p@24 (Frame Packing)
- Output support 1080p@60Hz only
- One push button to select Left or Right side content
- For Frame Packing to perform 3D contents
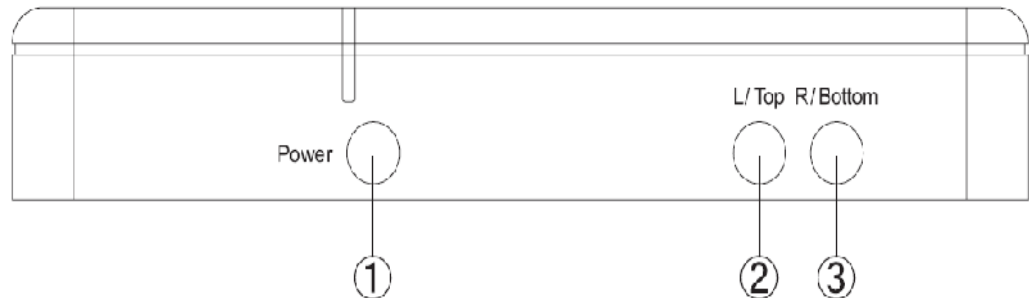- Convert 3D to 2D Contents

Application

- 3D source signal display on 2D TV
- 3D source signal display through 2D projectors

System Requirements

- Input 3D source signal with HDMI splitter and output to two projectors with polarized glasses. To use with twin 2D projector applications, 2 x 3D to 2D Demultiplexer Box's are needed, one each for 'Left-eye/Right-eye' or 'Top/Bottom' 3D formats. An HDMI 1in:2out Splitter is also required to interface the 3D HDMI source to each 3D to 2D Demultiplexer Box.
- Input 3D source signal with connection cable and output to 2D LCD TV. To use with a 2D HDTV application, simply connect 1 x 3D to 2D Demultiplexer Box between your 3D source and 2D HDTV using two HDMI cables.

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Operation Controls and Functions
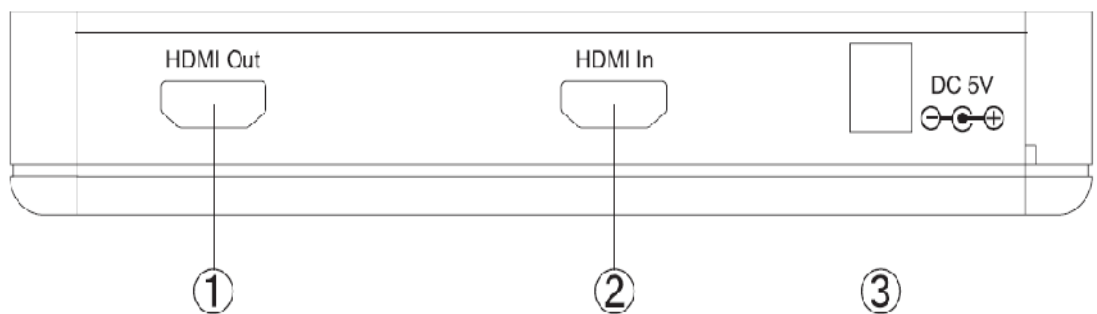
Front Panel

① **Power switch & LED:** Press this button to switch on the device and the LED will illuminate in green. Press it again to set the device to standby mode and the LED will illuminate in red.

② **L/Top:** Press this button to set one of the devices to send Left/Top side image signal to the projector when displaying 3D contents through the 2D projectors or 2D TV. When input is with 2D signal, leave this button free.

③ **R/Bottom:** Press this button to set of the devices to send Right/Bottom side image signal to the projector when display 3D contents through the 2D projectors or 2D TV. When input is with 2D signal, leave this button free.

Rear Panel

① **HDMI Out:** This slot is to connect with TV/monitor display with HDMI input jack and HDMI cable or HDMI to DVI converter cable.

② **HDMI In:** This slot is to connect with source equipment such as DVD/ Blue-Ray player with HDMI cable or DVI to HDMI converter cable.

③ **DC 5V:** Plug the 5V DC power adapter included in the package from the AC wall outlet.

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Specifications

Input	**1 x HDMI**
Output	**1 x HDMI**
Input port resolution	**2D:480i/p, 576i/p, 720p@50/60, 1080i@50/60 and1080p@50/603D:720p@50/60 (Frame Packing and Side-by-Side)1080p@24 (Frame Packing)**
Output port Resolution	**[1080p@60Hz](#)**
ESD Protection	**Human Body Model:**
	± 8kV (air-gap discharge)
	± 4kV (contact discharge)
Power Supply	**5V DC / 2.6X=A (US/EU standards,CE/FCC/UL certified)**
Dimensions (mm)	**163 (W) x 165 (D) x 34(H)**
Weight (g)	**300**
Chassis Material	**Plastic**
Silkscreen Color	**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	**8.5W**

Connection

Projection Screen

Polarized Glasses

Polarizers

projector 1

projector 2

2D

2D

HDMI Out1

HDMI Out2

Left
ID # 894

Right
ID # 894

HDMI In
ID # 555

3D Demultiplexer control system

•Example 1:

3D Signal Source

Blu-Ray

or

3D DVD

•Example 2:

3D DVD

3D

ID # 891

2D

2D LCD TV