



## 4K HDMI Switch, 3x1



### Manual DS-45305

#### 1.0 Introduction

The 3x1 HDMI Switcher routes high definition video (in multiple resolutions up to 4k x 2k) and digital audio from any 3x1 sources to display unit. Three inputs accommodate the simultaneous connection of up to three high definition video sources, such as satellite systems and HD DVD players. The output sends the high definition audio/video signals to a high definition display. This kind of the HDMI Switcher not only has the key-press-switching function, but also has the IR remote control and intelligent function.

## 1.1 Intelligent Function

- When supplied with power, this switcher will select the power-on source device depending on the sequence automatically (input1>input2>input3)
- Once the source device is turned on or plugged in (should stay power-on mode), the switches will automatically select this source
- Once the source device is turned off or plugged out, the switches will automatically select the next power-on source depending on the sequence automatically (input 1>input2>input3)

### Note:

- 1) **When the source devices are on the stand-by mode, its power supply should be turned off, otherwise these switches cannot meet intelligent function**
- 2) **When plugged in or out, this switches is completely intelligent**

## 2.0 Features

- Multifunctional on switching; intelligent or mechanical
- IR extender receiver (included)
- IR remote (included)
- Support high Definition resolution 4KX2K@30Hz, 1080p and 3D.
- Support 300MHz/3.0Gbps per channel bandwidth.
- Support 12bit per channel (36bit all channel) deep color.
- HDCP pass-through
- HDMI Pass-through
- CEC Pass-through
- Support uncompressed audio such as LPCM.
- Support compressed audio such as DTS Digital, Dolby Digital (including DTS-HD and Dolby True HD)

### 3.0 Specifications

<b>Input DDC Signal</b>	5 volts p-p (TTL)
<b>Maximum Single Link Range</b>	4Kx2K
<b>Vertical Frequency Range</b>	50/60Hz
<b>Video Amplifier Bandwidth</b>	3.0Gbps/300MHz
<b>Interlaced(50&amp;60Hz)</b>	480i,576i,1080i
<b>Progressive(50&amp;60Hz)</b>	480p,576p,720p,1080p,4Kx2K@30Hz
<b>Size(L-W-H)</b>	80x58x18mm
<b>Weight(Net)</b>	55g
<b>Operating Temperature</b>	0 °C to +70°C
<b>Operating Humidity</b>	10% to 85 % RH (no condensation)
<b>Storage Temperature</b>	-10°C to +80°C
<b>Storage Humidity</b>	5% to 90 % RH (no condensation)

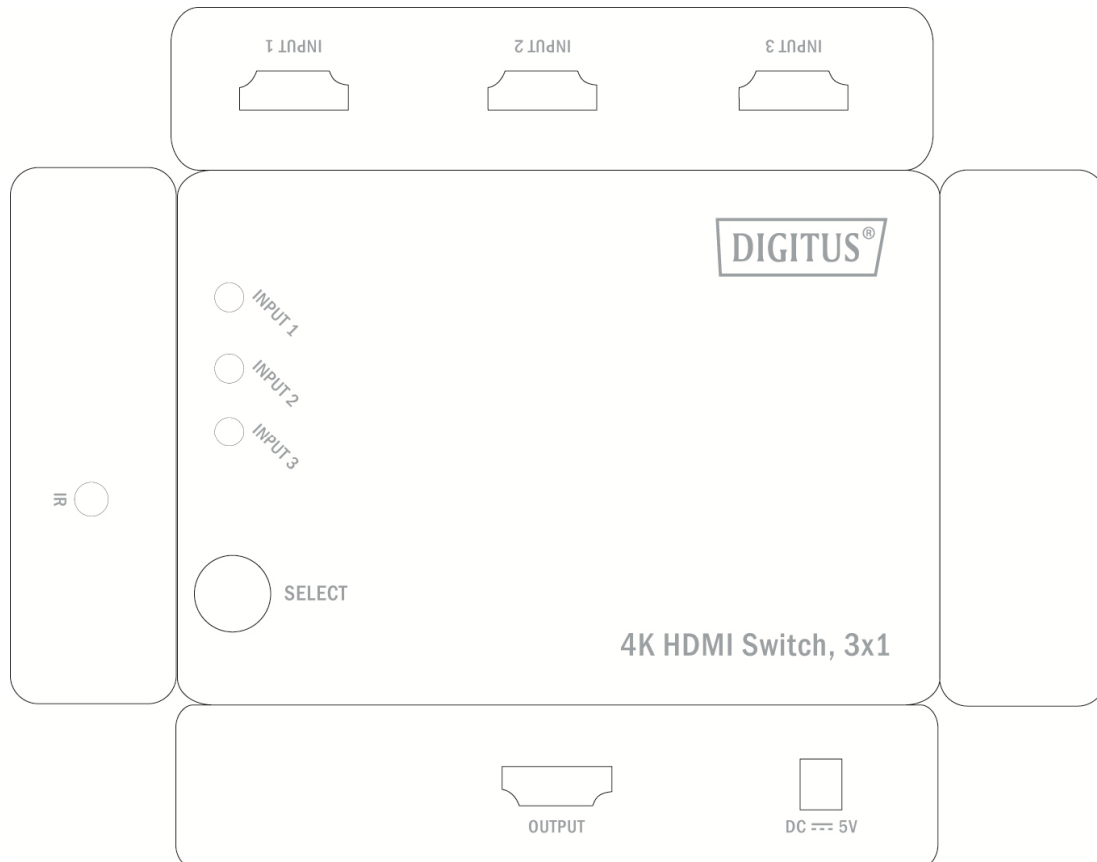
**Note:**

- 1) Specifications are subject to change without notice.**
- 2) Please switch on three input sources at the same time when using this no power needed switcher with PS4.**

### 4.0 Package Contents

- Main Unit.
- Remote control
- IR extender receiver
- User's Manual

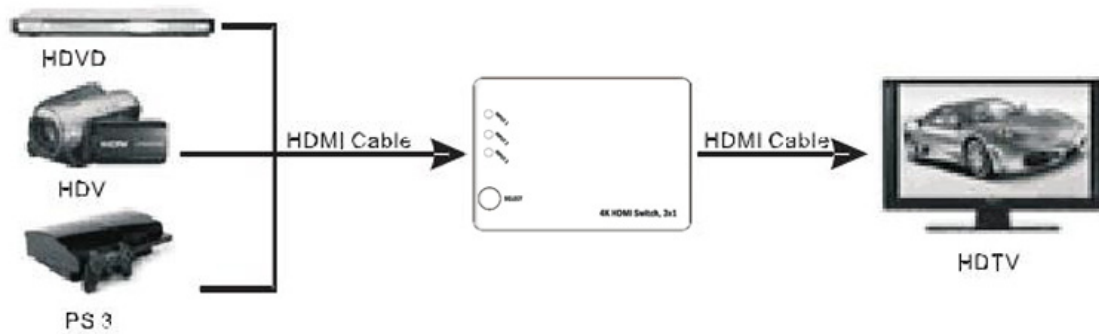
## 5.0 Panel Descriptions



## 6.0 connection and operation

- Connect the HDMI input source into 3x1 HDIM Switch
  - Connect the HDMI output display into 3x 1 HDMI Switch
- Attention: Insert / Extract cable gently.

## 6.1 Connection Diagram



Hereby ASSMANN Electronic GmbH, declares that this device is in compliance with the requirements of Directive 2014/30/EU (EMC), Directive 2014/35/EU (LVD) and the Directive 2011/65/EU for RoHS compliance. The complete declaration of conformity can be requested by post under the below mentioned manufacturer address.

**Warning:**

This device is a class B product. This equipment may cause some radio interference in living environment. In this case, the user can be requested to undertake appropriate measures to prevent interference.

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