



4x4 HDMI Matrix Switch, 4K/60Hz



Manual DS-55511

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1. Introduction

With the DIGITUS® 4x4 HDMI Matrix Switch, you can choose between 4 HDMI signal sources and output signals to 4 different HDMI outputs independently or simultaneously. All HDMI ports can be assigned to different HDMI outputs or all HDMI outputs as desired. Convenient operation using remote control or on the device itself. The Matrix Switch also offers EDID management (changeover switch) and downscaling functionality so that 4K content can be output on Full HD displays without a problem.

2. Main Features

- Supports 4K2K/60Hz (4:4:4)
- Video bandwidth: 18 Gbps
- HDCP 2.2 / 1.4
- HDMI 2.0
- EDID management
- Supports downscaling of 4K contents on Full HD (1080p) displays
- HDR, HDR10, HDR10+, Dolby Vision
- Output of up to 4 HDMI signals on 4 HDMI monitors possible either simultaneously or independently
- Convenient switching between all HDMI connections using remote control or on the device itself

3. Package Contents

- 1x 4x4 HDMI Matrix Switch
- 1x Power adapter (DC 12V/2.5A, 1.5 m)
- 1x IR remote control
- 2x Mounting plate
- 1x User manual

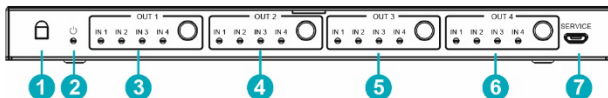
4. Specification

Technical	
HDMI Compliance	HDMI 2.0b
HDCP	HDCP 2.2/1.x
Video Bandwidth	594MHz/18Gbps
Video Resolution	480i ~1080p, 50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz
Color Depth	8-bit, 10-bit, 12-bit (1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit, 10-bit, 12-bit (4K2K@60Hz YCbCr 4:2:2 / 4:2:0)
HDMI Audio Formats	LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio
ESD Protection	Human body model ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection	
Inputs	4×HDMI Type A [19-pin female] 1×IR Receiver Window 1×Micro USB
Outputs	4×HDMI Type A [19-pin female]

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	220mm (W) × 105mm (D) × 19mm (H)
Weight	535g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standards, CE/FCC/UL certificated)
Power Consumption	11.04W (max)
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)

5. Operation Controls and Functions

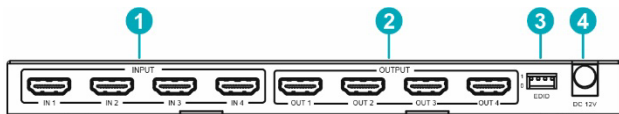
5.1. Front Panel



No.	Name	Function Description
1	IR	IR receive window
2	Power LED	The red LED illuminates when the device is working or on standby.
3	OUT 1	<p>Button: Short press to switch the input selected by OUT 1; Long press for 3s to turn on/off the downscaler corresponding to OUT 1.</p> <p>LED: When switching to the corresponding input source, the corresponding input LED illuminates green; Otherwise, the LED will not light up.</p>
4	OUT 2	<p>Button: Short press to switch the input selected by OUT 2; Long press for 3s to turn on/off the downscaler corresponding to OUT 2.</p> <p>LED: When switching to the corresponding input source, the corresponding input LED illuminates green; Otherwise, the LED will not light up.</p>

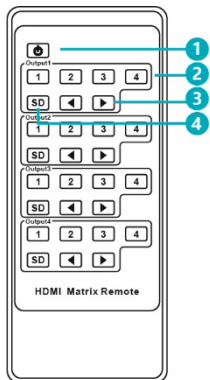
5	OUT 3	<p>Button: Short press to switch the input selected by OUT 3; Long press for 3s to turn on/off the downscaler corresponding to OUT 3.</p> <p>LED: When switching to the corresponding input source, the corresponding input LED illuminates green; Otherwise, the LED will not light up.</p>
6	OUT 4	<p>Button: Short press to switch the input selected by OUT 4; Long press for 3s to turn on/off the downscaler corresponding to OUT 4.</p> <p>LED: When switching to the corresponding input source, the corresponding input LED illuminates green; Otherwise, the LED will not light up.</p>
7	SERVICE	Connect to PC via Micro to USB cable for firmware upgrade.

5.2. Rear Panel



No.	Name	Function Description
1	INPUT	Connect to HDMI source device such as DVD player or PC.
2	OUTPUT	Connect to HDMI display device such as TV or Projector.
3	EDID	EDID SWITCH control. 0000 1080P, Stereo Audio 2.0 0001 1080P, Dolby/DTS 5.1 0010 1080P, HD Audio 7.1 0011 4K2K30_444, Stereo Audio 2.0 0100 4K2K30_444, Dolby/DTS 5.1 0101 4K2K30_444, HD Audio 7.1 0110 4K2K60_444, Stereo Audio 2.0 SDR 0111 4K2K60_444, Dolby/DTS 5.1 SDR 1000 4K2K60_444, HD Audio 7.1 SDR 1001 4K2K60_444, Stereo Audio 2.0 HDR 1010 4K2K60_444, Dolby/DTS 5.1 HDR 1011 4K2K60_444, HD Audio 7.1 HDR 1100 COPY OUTPUT 1 1101 COPY OUTPUT 2 1110 COPY OUTPUT 3 1111 COPY OUTPUT 4
4	DC 12V	DC 12V power supply interface

6. Remote Control



1	Power button: Press this button to power on the device or put it into standby mode.
2	1/2/3/4: Press buttons 1~4 to select the required source for Output 1
3	◀ ▶: Select the last or next input channel among 1/2/3/4, to select the required source for Output1.
4	SD: Press this button to turn on / off the downscaler function

The corresponding button function of Output2/Output3/Output4 is the same with that of Output1

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