HDMI Matrix 4 x 4

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STR944A-HDM

This is a high performance HDMI Matrix with four HDMI inputs & four outputs. It allows any source (Blue-Ray player, HD DVD player, satellite receiver, game system, etc.) to be shown on the any of the four displays simultaneously, and supports 4K×2K, 3D, Deep Color. With its 3Gbps bandwidth and the additional features of the latest HDMI standards you can be sure of great HDMI distribution.

Features:

> Supports display resolutions up to 4K x 2K@30Hz,1080P@120Hz, and 1080P 3D@60Hz

> 3D HDMI 1.4a video format support.

> 3D video support including Frame Packing for all 3D formats up to a 297MHz TMDS clock.

> Supports deep color up to 48-bit per pixel.

> HDCP 1.4 support (INPUT), HDCP v1.4a protocol compliant (OUTPUT).

> Supports reception of any audio data conforming to the HDMI specification 1.4 such ad L-PCM at up to 192kHz,compressed audio(IEC 61937),DSD,DST,DTS and HBR.

> Full colorimetry including sYCC601, Adobe RGB, Adobe YCC601, xvYCC extended gamut color.

> Operates for TMDS clock frequencies up to 300MHz.

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Specifications:

1pc HDMI Matrix +1pc 5V1A DC Power Supply adaptor+1pc Remote Controller+1pc RS232 Serial Cable

Frequency Bandwidth: 297MHZ[10.2Gbps]

Input Ports: 4 x HDMI Female input ports

Output Ports:4 x HDMI Female output ports

Power Supply: DC 12V, 2.5A

ESD Protection Human Body Model: ± 8kV (air-gap discharge)
± 4kV (contact discharge)

Dimensions (mm): 115(W) X 270 (D) X 45 (H)

Weight (g): 900

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 (Max): 20W

Remote control

OUT A: Press 1\2\3\4 button will to select input source to HDMI OUT A, and the LED will indicate the corresponding input source.
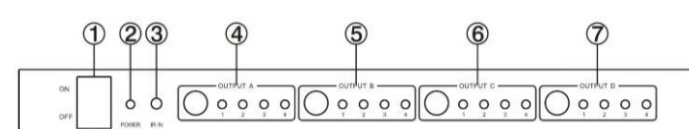
OUT B: Press 1\2\3\4 button to select input source to HDMI OUT B, and the LED will indicate the corresponding input source.

OUT C: Press 1\2\3\4 button to select input source to HDMI OUT C, and the LED will indicate the corresponding input source.

OUT D: Press 1\2\3\4 button to select input source to HDMI OUT D, and the LED will indicate the corresponding input source.
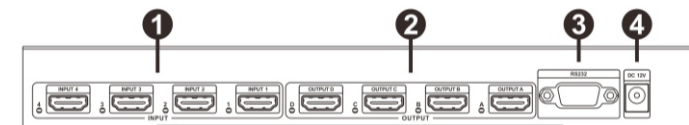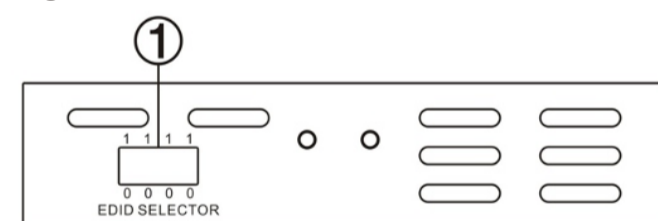
Operation controls and Functions:

Front Panel

①**ON/OFF:** Power on/off switch.

②**POWER:** This red LED illuminates when the device is connected with power supply.

③**IR IN:** Remote control signal receive.

④**OUTPUT A:** Press this button to select the input source to HDMI OUTPUT A, and these red LED illuminate when the output select to the corresponding input.

⑤**OUTPUT B:** Press this button to select the input source to HDMI OUTPUT B, and these red LED illuminate when the output select to the corresponding input.

⑥**OUTPUT C:** Press this button to select the input source to HDMI OUTPUT C, and these red LED illuminate when the output select to the corresponding input.

⑦**OUTPUT D:** Press this button to select the input source to HDMI OUTPUT D, and these red LED illuminate when the output select to the corresponding input.

Rear Panel

①**INPUT PORTS:** LED1-4 illuminate when the HDMI signal plug in INPUT 1-4 port. INPUT 1-4 ports are where you connect the HDMI source.

②**OUTPUT PORTS:** LED A-D illuminate when the TV plug in OUTPUT A-D ports. OUTPUT A-D ports are where you connect the HDTV or monitor with HDMI cable

③**RS232:** This port can control the matrix via PC.

④**DC 12V:** Plug the 12V DC power supply into the unit and connect the adaptor to AC wall outlet.

Right Panel

①EDID Selector: Select HDMI output signal format via EDID Selector.

Number	EDID Selector	Description
1	0000	Auto mode(default)
2	0001	1080I,Stereo Audio 2.0
3	0010	1080I,Dolby/DTS 5.1
4	0011	1080I,HD Audio 7.1
5	0100	1080P,Stereo Audio 2.0
6	0101	1080P,Dolby/DTS 5.1
7	0110	1080P,HD Audio 7.1
8	0111	3D,Stereo Audio 2.0
9	1000	3D,Dolby/DTS 5.1
10	1001	3D,HD Audio 7.1
11	1010	4K2K,Stereo Audio 2.0
12	1011	4K2K,Dolby/DTS 5.1
13	1100	4K2K,HD Audio 7.1
14	1101	1024x768 DVI
15	1110	1920x1080 DVI
16	1111	PC Software control mode

Application Example: