



KA242 HDMI SWITCH 4 PORT V2.1 – KAMEHA



Introduction

This is a 4-in-1out 8K switch. It support 4 HDMI signal inputs and HDMI signal output, the highest resolution is 8K@60Hz and is backward compatible. A variety of control methods (IR remote control and RS-232 switch) can easily switch the content of the 4 HDMI signal sources to the display. The product is widely used in security monitoring, media entertainment, broadcasting, command centers, etc.

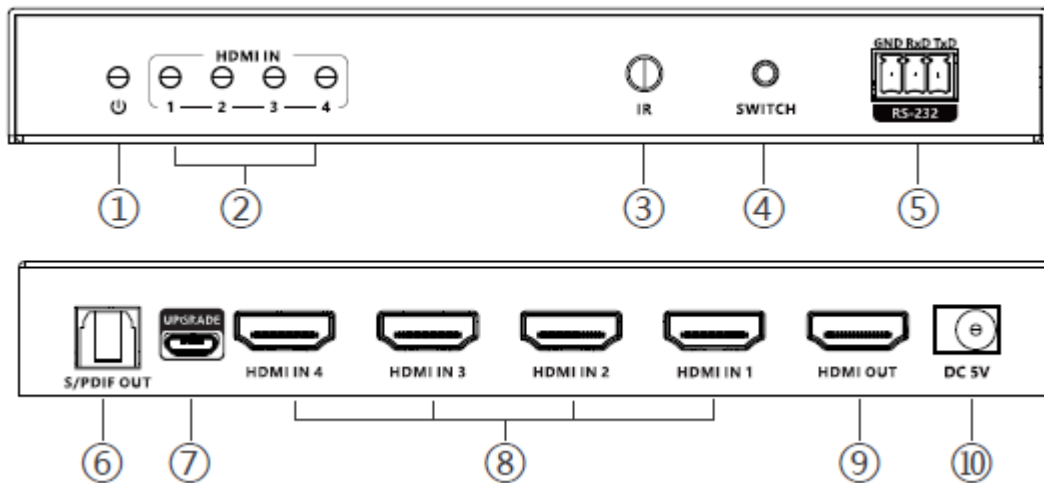
Features

1. Support 4 HDMI signal input and 1 HDMI signal output.
2. 8K@60Hz resolution and backward compatible.
3. Multiple switching modes: IR remote control, RS-232 command control.
4. Support additional digital audio output from S/PDIF port.
5. Firmware can be upgraded through Micro USB.
6. Support EDID pass-through and HDMI 3D, VRR (Free Sync, G-Sync).
7. HDR10+, Dolby Vision, HLG, YUV4:4:4 supported.
8. Lightning protection, surge protection, ESD protection.
9. 24/7 working.

Specification

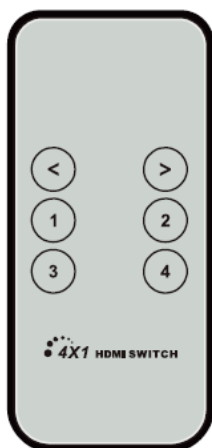
Items	Specification	
HDMI version	Support HDMI 2.1, backward compatible	
	Support HDCP 2.3, backward compatible	
HDMI port	HDMI input X4, HDMI output X1	
Transmission speed	48Gbps	
Video bandwidth	1200MHz	
HDMI resolution	7680x4320@24/25/30/50/60Hz, 4096x2160@24/25/30/50/60/100/120Hz, 3840x2160@24/25/30/50/60/100/120Hz, 3440x1600@60Hz, 3440x1440@60Hz、2560x1600@60Hz, 2560x1440@60/100/120Hz, 2560x1080@60Hz, 2048x1080@60Hz, 1920x1440@60/100/120Hz, 1080p@50/60/100/120Hz, 1080i@50/60Hz, 720p@50/60Hz	
Supports audio formats	S/PDIF output	LPCM5.1, DTS 5.1, Dolby 5.1
	HDMI output	Dolby Atmos, Dolby Digital 7.1CH, Dolby True HD, DTS:X, DTS-HD, LPCM 7.1CH, etc.
RS-232	3 pin (GND/RxD/TxD) , baud rate 9600	
Voltage/Current	DC5V/1A	
Power consumption	< 2.0W	
Working temperature	-20°C~60°C	
Storage temperature	-30°C~70°C	
Humidity (no condensation)	0~90%RH	
Housing	Iron	
Color	Black	
Weight	275g	
Dimension	160.0(L) x 58.0(W) x 20.6(H) mm	
Protection	ESD protection 1a Contact discharge level 2 1b Air discharge level 3 Implementation of the standard: IEC61000-4-2	
	Lightning protection, Surge protection	

Panel Description



1.	Power indicator (orange)	The indicator will turn on when the power is turned on
2.	HDMI input indicator (blue)	Corresponding to HDMI input 1, 2, 3, 4 respectively
3.	IR receiving window	Receive IR signal
4.	Switch button	Press the button to switch the input of the signal source
5.	RS-232	RS-232 command control
6.	S/PDIF	Output digital audio signal
7.	Micro USB	For firmware upgrade
8.	HDMI input	Connect with HDMI source device
9.	HDMI output	Connect with HDMI display device
10.	DC 5V	Connect with DC5V/1A power adapter

Remote control

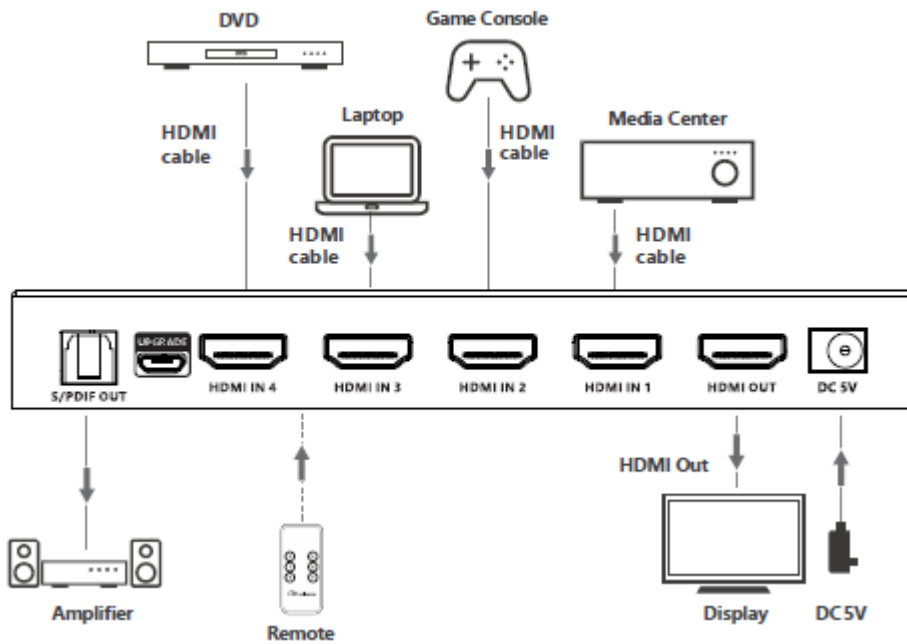


"<" and ">" button, to choose channel forward or backward.

"1-4" number buttons, to choose any source device directly.

Installation

1. Connection Diagrams



2. Connection Instructions

- 1) Connect the source devices to the HDMI input ports with HDMI cables.
- 2) Connect the display device to the HDMI output port HDMI cable.
- 3) If need an additional audio output, connect the digital audio device to the S/PDIF port.

Note: You can switch the signal source by pressing the switch button or use the remote control.

3. RS-232 control

Baud rate: 9600

Data bits: 8

Stop character: 1

Parity: none

/	HDMI1 input	HDMI2 input	HDMI3 input	HDMI4 input
PAXR\n	PA1R	PA2R	PA3R	PA4R

Installation Requirements

Item	Description	Requirement
Signal source device	PC, DVD, PS4, NVR, etc. with HDMI port	HDMI 2.1 cable \leq 5m
Display device	8K TV, projector, LED screen, etc. with HDMI port	HDMI 2.1 cable \leq 5m