

HDMI Matrix Switchers



JIPU1313

Product Description:

HDMI Matrix Switcher input and output HDMI audio and video signals. The input HDMI audio and video signals can be quickly switched to any or multiple-channel output synchronously. Adopt 4.5 Gbps high-bandwidth switching chip, which supports 480p, 720p, 1080i and 1080p resolution. In this signal mode, the attenuation in signal transmission is minimized to provide high definition representation and ensure high fidelity output of the image signals. With RS-232 communication interface and network interface, it is convenient to connect to PC, remote control system and a variety of remote control devices.

Features:

- S3C2440 processor ensures faster running and more stable system
- Use high-speed digital switching technology to solve the crosstalk, ghosting and smearing problem perfectly. Reproduce 100% video effects of input signals;
- Use U.S. 4.5GHz high bandwidth chip to provide particularly clear images;
- HDMI 1.4 compatible, HDCP compliant;
- Support signal timing restructuring, CEC, 36-bit true-color technology
- Use digital synchronous identification processing (DSIP) technology
- Support seamlessly integrated CMMAW technology and CCSEB power management technology;
- Adopt new blue matrix 3D display, working status display in Chinese
- Built-in round robin switching function, set interval time and channel freely

Built-in 32 groups of scene memory, allow operating directly on the panel

- 8-channel HDMI digital audio and video signal input; 4-channel HDMI digital audio and video signal output;
- Support Blu-ray: DVD24, 50, 60fs, HD-DVD, xVCC;
- Support audio format: DTS-HD, Dolby-trueHD, LPCM7.1, DTS, DOLBY-AC3, DSD;
- Use high-quality HDMI-1.3 cable, the input transmission distance is up to 20m, and the output transmission distance is up to 30m
- HDMI input and output use imported HDMI interface;
- Dedicated port can be connected to wireless touch screen directly, plug and play;
- Full-chip SMD technology, unique ESD protection function;

Series HDMI matrix switcher is an HD intelligent matrix switch device designed for display switching of HDMI video signals, and outputs any HDMI video to any channel; the products are widely used in large-screen projection and display, electronic teaching, command and control center, multimedia conference rooms and other occasions;

- This product is an intelligent device with high reliability; the fault-tolerant technology and the communication interface circuits with high anti-interference ability ensure the reliability of communication, features infrared remote control and RS232 communication, and the users can easily complete signal switching in the demonstration process;
- This product features site switch memory protection, video synchronization or isolation switching, integrates RS232 communication interface, and can be easily used together with PC, remote control system or a variety of remote control devices (such as and other control systems);
- Universal wide voltage design, which can be adapted to AC 100~240V, 50/60Hz;
- High-quality, high-volume production, high compatibility and stability, and highly cost effective;

Detailed parameters of HDMI matrix:

Category:	HDMI Matrix Switcher
HDMI video	
Interface bandwidth	4.5GHz (-3Db) fully loaded
Gain	0 dB
Pixel bandwidth	225 MHz
Bit rise time	0.6 NS (20%--80%)
Bit fall time	0.6 NS (20%--80%)
Switching speed	200 ns (maximum time)
Maximum supported resolution	Normal-PC: 1600x1200@60_24bit, HDPC: 1920x1200P@ 60_24bit, HDTV: 1920x1080P@60_36bit
HDMI video input	
Interface	HDMI interface A-type 19-pin female connector
Digital video level	1.2 Vp-p
Minimum / maximum level	0.5 V~1.0 Vp-p, no offset
Impedance	100 Ω
Return loss	<-15dB @1MHz to 1.5GHz
Display data channel	5.0 Vp-p (TTL)
TDR rise time	75 PS
Clock recovery	Auto
HDMI video output	
Interface	HDMI interface A-type 19-pin female connector
Digital video level	1.2 Vp-p
Minimum / maximum level	0.5 V~1.0 Vp-p, no offset
Impedance	100 Ω
Return loss	<-15dB @1MHz to 1.5GHz
Display data channel	5.0 Vp-p (TTL)
TDR rise time	75 PS
Clock recovery	Auto
RS-232 control interface	
Serial control interface	RS-232, 9-pin female D-type interface
Baud rate and protocol	Baud rate: 9600, data bit: 8, stop bit: 1, no parity
Structure of serial control interface	2 = TX, 3 = RX, 5 = GND
Specifications	
Power supply	100VAC~240VAC, 50/60 Hz, international adaptive power
Temperature	Storage and operating temperature: -20° ~ +70°C
Humidity	Storage and operating humidity: 10% ~ 90%
MTBF	62,500 hours
Warranty	1 year free warranty and lifetime maintenance

Mailing Address

VOSTOK Trading L.L.C,
304, 3rd Floor, Al Tawhidi Building,
Khaleed Bin Waleed Road,
P.O. Box: 27106 - Dubai,
UNITED ARAB EMIRATES.

Contact Details

Tel: (+971 4) 3558816
Fax: (+971 4) 3558817
Email : sales1@snappy.ae /
sales2@snappy.ae /
sales3@snappy.ae