

DID Video Wall HDMI All In One Matrix Switch

Describe

The HD HDMI all in one matrix switcher supports 16 input and output boards. This matrix has EDID control. Every HDMI output supports 1080p to 4K Full HD format, and all 3D formats. Support independent EDID control. The HDMI8x8 host can be connected to the blue light DVD of the HDMI display, the digital set-top box, the notebook computer, and the game controller. Switch display by providing the IR remote control device, RS-232 and TCP/IP, or the selection key of the front panel. This series of products can be widely applied to large screen display engineering, multimedia teaching, reporting hall, military command and control center, traffic monitoring, hotel, multimedia conference room, video and audio exhibition hall and so on.

Model

Product Type	Model
HDMI 4*4	HK-DID-MXA-HDMI-4-4,
HDMI 8*8	HK-DID-MXA-HDMI-4-4,

Characteristics

- ❖ HDMI V1.4 support: 4K x 2K@30Hz,1080P@120Hz,and 1080P 3D@60Hz
- ❖ Support 4 channel HDMI video input , 4 channel HDMI output and embedded multi channel digital audio signal cross switching.
- ❖ All HDTV resolution of 1080p/60 is compatible with the resolution of up to 1920*1200 PC;
- ❖ Long line input automatic equalization ensures that each input can be compensated automatically and independently, due to long distance transmission or loss of signal caused by low quality village.
- ❖ Support high color depth, as well as up to 2.25Gbps rate;
- ❖ 8 input interfaces support independent EDID

- ❖ Support RS-232 panel control and TCP/IP control
- ❖ Have Memory loss faction and locate protect faction when outage
- ❖ Have RS232 communication interface, can be convenient and computer remote control system, or a variety of remote control equipment (such as: Crestron etc.) with the use of;
- ❖ The feedback real-time state of the front panel LCD display
- ❖ Compatible with the code and instructions of all similar products in the market;High quality and mass production, with high compatibility and stability.

Picture



Control Type

- Button control: Direct switch through the device panel key;
- remote control: Using infrared remote control to switch the remote control;
- software control: Using special matrix management software to control switching through RS232 serial port;
- Control control: Using the control system to control switching (optional);
- Network control: Using the Internet control switching.(optional)。

Technical parameter

Video	
Agreement	Support HDCP1.3 agreement, HDMI1.3 agreement compatible DVI1.0
bandwidth	165MHz, All-digital
Bandwidth interface	2.25Gbps,All-digital
Max support resolution	480i, 576i, 480p, 576p, 720p, 1080i, 1080p@24/30/50/60Hz, 4K@30Hz, 1080P3D@60Hz

Clock Jitter	<0.15 Tbit
Rise time	<0.3Tbit (20%--80%)
Fall time	<0.3Tbit (20%--80%)
Max transmission delay	5nS(±1nS)
Switch speed	50 ns
Signal type	HDMI-A all digital T.M.D.S. signal in the HDMI 1.3 specification
Video input	
interface	HDMI-D mother interface
Signal intensity	T.M.D.S +/- 0.4Vpp
Min/Max level	T.M.D.S 2.9V/3.3V
Input EDID	EDID rewritable
impedance	75 Ω
Max DC bias error	15mV
Max input distance	Less than 20m, At 1920x1200@60 (recommended use of certified HDMI dedicated wire, such as Molex TM wire)
Video output	
interface	HDMI-D mother interface
Max/Min lever	T.M.D.S. 2.9V/3.3V
impedance	50 Ω
Max output distance	Less than 15m, at1920x1200@60 (advise use of certified HDMI dedicated, such as Molex TM wire)
Control type	
SCI	RS-232, 9-pin D interface
Baud rate and agreement	Baud rate: 115200, data bit: 8 bit, stop position: 1, Parity check bit
SCI structure	2 = TX, 3 = RX, 5 = GND
Ethernet control interface	RJ-45 mother interface (interface control parts optional) TCP/IP
ethernet control agreement	TCP/IP
Ethernet control rate	Adaptive 10M or 100M, full duplex or half duplex
控制程序	MICOMMM
parameter	

power	12V/5A DC (US/EU standard, CE/FCC/UL certified)
temperature	Storage temperature: -20° ~ +e70°C
humidity	Storage humidity:10% ~ 90%
power	25W(Max)
Rack installation	19inch standard 1U height
weight	3.5kg
Average fault interval time MTBF	48000 hours
Standard accessories	Instructions, control software, power line, power adapter, control line, remote control, warranty card

Application Diagrammatic Sketch

