UHD-MAX0808/1616/3636/8080/144144

4K Modular Video Matrix Switcher

UHD-MAX3636
Size (mm):
483(L)×400(W)×310(H)

UHD-MAX8080
Size (mm):
483(L)×400(W)×555(H)

UHD-MAX144144
Size (mm):
483(L)×400(W)×1021.5(H)

Product overview

The UHD-MAX modular matrix switchers series are a group of flexible configuration switchers which can cross-switch multiple types of signals. High-performance hardware design ensures its support for various high definition digital and analog signals, bi-directional RS-232 and IR control and signal management. Resolution up to 4K*2K, it can provide one-stop solution for mulitiple types of visual signals and control signals switching and processing in various industries, especially for Broadcasting and Television Projects, Multimedia Meeting Rooms, Big Display Projects, TV Education, Smart Traffic Management Centers, and Command Center, etc.

Function

- Full digital switching: real seamless switching for all types of output cards.
- Support DVI 1.0 protocol, and compatible with HDCP 1.3 and HDMI 1.4a standards.
- Support hot-swap, video and audio signal synchronized switching.
- Support EDID reading ,PC Software control switching and EDID management.
- HDBaseT input and output signals support embedded (or local) bi-directional RS-232, and can choose the mode of switching with the video signal, or separating switching mode.
- Versatile management methods: IR Remote Control, RS-485, RS-232 and Network Control, and Serial Port Control at remote end via HDBaseT inputs and outputs. This brings great convenience for the users to integrate the signal management and control with various other equipments at the remote end.
- Support firmware online upgrade.
- Maximum resolution up to 4K*2K.
- Support character overlay.
- Intelligent control the operation of fan in matrix.
- SDI input can achieve looping out.
- Plug-in design for cards, the input and output signal type and signal channel amount can be allocated flexibly.
- Redundant power supply design.

Specifications

Parameter name		UHD-MAX0808/1616/3636/8080/144144				
Interface	The input card can be connected to Quantity/input channels	2/8	4/16	9/36	20/80	36/144
	The output card can be connected to Quantity/output channels	2/8	4/16	9/36	20/80	36/144
	Support input card type	UHD-IN HDMI4，UHD-IN SF4，UHD-IN DP4，UHD-IN IP2 UHD-IN HD4，UMAX-IN DVI4，UMAX-IN VGA4，UMAX-IN SDI4				
	Support seamless output card	UHD-OUT HDMI4，UHD-OUT SF4，UHD-OUT IP2 UHD-OUT HD4，UMAX-OUT DVI4，UMAX-OUT SDI4				
	Interface bandwidth	13.5Gbps				
Serial port control	Serial port control interface	RS-232, 9-pin female D interface and 9-pin male D interface				
	The baud rate and protocol	Baud rate：9600; Date bits：8; Stop bits：1; No parity				
	Structure of serial control	9-pin female D interface：2=TX; 3=RX; 5=GND；9-pin male D interface：3=TX; 2=RX; 5=GND				
Keyboard control	Keyboard control interface	4 bit 3.8mm Phoenix interface				
	Use method	Use with the expansion keyboard MCP100				
	Keyboard control port structure	+5V=DC5V, += DATA+, -=DATA-, GND = Signal ground				
Ethernet control	Ethernet control interface	RJ-45 female interface				
	Ethernet control protocol	TCP/IP				
	Ethernet control rate	Self-adptive 10M/100M full duplex or half duplex				
Specifications	Power	100VAC ~ 240VAC,50/60 Hz，The international self-adptive power suply				
	Working temperature	0°C~50°C				
	Working humidity	20%~70%				
	Box size	2U	3U	7U	12.5U	24U
	Weight (Without card)	About 5KG	About 7KG	About 16KG	About 29KG	About 80KG
	No load consumption (without card)	20W	25W	30W	30W	70W
	Average time between failures	30,000 hours				
	The warranty	1 year free warranty				