

Professional Matrix Switcher

MXS Series

INTRODUCTION

This high-definition seamless hybrid card matrix is a professional matrix all-in-one machine that supports various audio and video signal switching and distribution, integrated network central control, and video wall functions. It supports up to 8~36 signal inputs and 8~36 signal outputs. The audio and video matrix uses a pure hardware high-speed matrix switching chip with high integration, stable system, no signal compression, no loss, and no delay. The advanced all-digital signal processing technology can ensure the signal is processed without distortion and restore the best quality picture to the display terminal.

The modular network central control integrates a variety of control interfaces and intelligent control modules that can be directly called by users, and can directly control other peripheral devices. At the same time, the built-in video wall function can realize any splicing mode within the range of 8/16/36 total output channels, providing a one-stop solution for the distribution and processing of various formats of video signals in various industries.



MXS08



MXS16



MXS36

MXS Series

FEATURES

- Compliant with HDCP 2.2 specification
- HDMI maximum bandwidth 18Gbps
- Video resolution supports up to 4K60 RGB 4:4:4 24bit, compliant with HDMI 2.0b specification
- Supports 8/16/36 video inputs, 8/16/36 video outputs
- Supports HDMI, DVI-U (DVI/VGA/YPbPr/CVBS), VGA, 3G/HD/SD-SDI, HDBaseT and fiber input
- Supports HDMI, DVI-U (DVI/VGA/YPbPr/CVBS), VGA, 3G/HD/SD-SDI, HDBaseT and fiber output
- Supports the highest resolution of 1920x1200p60Hz (2K series card), 3840x2160p60Hz (4K series card)
- Supports seamless switching, no tearing, no black screen or flickering during switching
- Supports video wall splicing wall function
- The splicing wall is based on Gen-Lock technology, the image delay between any output channels is less than 0.1 milliseconds, and the image is tear-free
- Any splicing mode within the total output range of 8/16/36 can be achieved
- Standard HDMI cable 4K60 input and output are 5 meters each, 4K30 input and output are 10 meters each, 1080p60 input and output are 15 meters each
- Uses pure hardware high-speed matrix switching chip, with high integration and more stable system
- Up to 64 scene presets can be called
- Intelligent EDID management, support EDID COPY or built-in EDID
- Support panel buttons, IR, RS-232, TCP/IP, Web GUI and host computer software control
- Built-in intelligent network central control, pre-made user interface
- Silent fan design, low noise, stable performance, stable operation in harsh environments
- AC power interface, built-in power module
- Standard rack size design, easy installation

INPUT CARD



2K HDMI



2K HDBaseT 70M



2K HDBaseT 100M



2K HDBaseT 150M



2K SDI



2K VGA



2K DVI



2K FIBER



4K HDMI



4K HDBaseT 70M



4K HDBaseT 100M



4K HDBaseT 150M



4K FIBER

OUTPUT CARD



2K HDMI



2K HDBaseT 70M



2K HDBaseT 100M



2K HDBaseT 150M



2K SDI



2K VGA



2K DVI



2K FIBER



4K HDMI



4K HDBaseT 70M



4K HDBaseT 100M



4K HDBaseT 150M



4K FIBER

SPECIFICATIONS

Model	MXS Series Main Chassis
Technical	
HDMI Compliance	HDMI 1.4 (2K series card), HDMI 2.0b (4K series card)
HDCP Compliance	HDCP 1.4 (2K series card), HDCP2.2 (4K series card)
Video Bandwidth	600MHz/18Gbps
Video Resolution	1920x1200p60Hz (2K series card) 3840x2160p60Hz 4:4:4 (4K series card)
Color Depth	2K series card: 8/10/12-bit (1080p60Hz)
	4K series card: 8/10/12-bit (4K30Hz); 8-bit (4K60Hz 4:4:4)
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Audio Formats	HDMI audio: LPCM 2.0 / 5.1 / 7.1CH
	Analog audio: LPCM 2.0CH
ESD Protection	IEC 61000-4-2:
	± 8KV (Air-gap discharge) & ± 4KV (Contact discharge)
Connections	
Input	2 x Input card (8x8 Matrix); 4 x Input card (16x16 Matrix); 9 x Input card (36x36 Matrix)
Output	2 x Output card (8x8 Matrix); 4 x Output card (16x16 Matrix); 9 x Output card (36x36 Matrix)
Control	1 x Main control card
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	8x8 Matrix: 483mm (W) × 377mm (D) × 89mm (H)
	16x16 Matrix: 483mm (W) × 379mm (D) × 133mm (H)
	36x36 Matrix: 483mm (W) × 378mm (D) × 266mm (H)
Weight	8x8 Matrix: 5.95kg (No input/output cards are included)
	16x16 Matrix: 8.62kg (No input/output cards are included)
	36x36 Matrix: 15.4kg (No input/output cards are included)
Power Supply	AC 100-240V, 50/60Hz
Power Consumption	8x8 Matrix: 40W~190W (Match with different input/output cards)
	16x16 Matrix: 80W~320W (Match with different input/output cards)
	36x36 Matrix: 200W~840W (Match with different input/output cards)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	
Relative Humidity	-20°C ~ 60°C / -4°F ~ 140°F
	20~90% RH (no condensation)