MIG-V8
Video Switcher

MIG-V8 is the latest Magnimage high-performance video switcher. Based on high-speed FPGA and digital matrix bus structure, it is a 24 bits/60Hz processing system. With an advanced scaling engine, it supports seamless mosaic for up to 16 screens in excellent image quality and low latency. Mixed input matrix design allows you to customize the machine from 2K and 4Kx2K/60Hz 4:4:4 options. It also supports real-time video monitoring for input and output.

You can control MIG-V8 via software or console(MIG-H6 or MIG-H8) for fade in/fade out switching of various layers and presets. This switcher is designed for auto shows, corporate events, product release and live shows.

Features

- 8 Program outputs, 16 resizable layers at any position
- 8 AUX outputs, mosaic and scale
- 3 AUX loop outputs
- 1 Multiviewer output, real-time monitoring for inputs and outputs, and the Multiviewer's layout can be customized
- 1 IP output for monitoring on the software or console
- Up to 36mixed inputs with 2K or 4K options
- Supports 4Kx2K/60Hz 4:4:4 input

- HDCP 1.4 & 2.2 compliant
- HD native backgrounds capture
- EDID management for input sources
- Image crop and zoom
- Text overlay
- Edge blending
- F-lock and multiple machines cascading
- Dual redundant power supplies

◿ Switcher introdution

Menu display

Show MIG-V8 present working status, able to check input information, electric status, firmware version, etc.

Function Keys

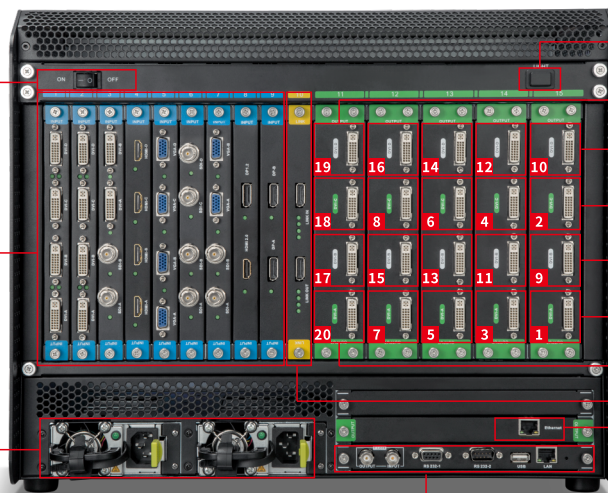Accomplish special function such as setting main unit's IP address in specific menu.

Menu keys

Enter/exit menu, paging, and parameter adjustment ,etc.

Power supply

Input ports

Dual power backup

lighting switch

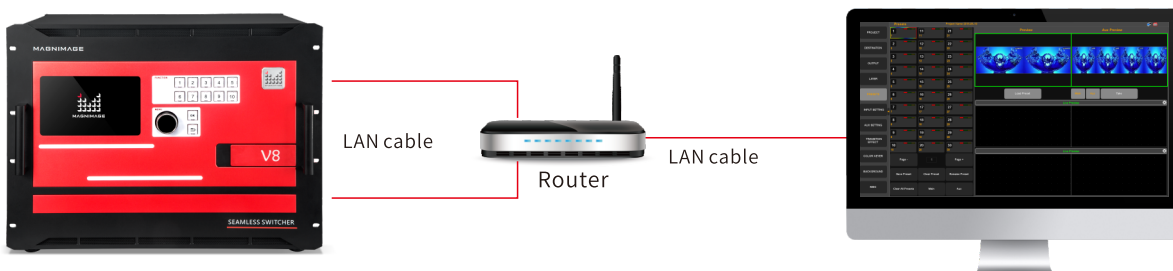17-19 Aux loop

9-16 Aux output

1-8 Program output

Multiviewer output

Cascade board

IP output

Control board

◿ Software control

The V8 video switcher can be controlled by software, easy operation, quick react.

LAN cable

Router

LAN cable

◇ Various input and output ports

▢ Input ports

The 9 input slots allow you to build the machine based on your application. 2K options include DVI, HDMI, VGA, SDI card and VGA/SDI mixed card. 4K options include DP card DP/HDMI mixed card.

Each port 4K×2K/60Hz or 8K×1K/60Hz

3840px×2160px

▢ Output ports

Program outputs
The 8 Program outputs can be set as any mosaic layout, such as 8x1 or 4x2. In these 8 outputs, you can set maximum 16 layers at one time.

Aux outputs
The 8 Program outputs can be set as any mosaic layout, such as 8x1 or 4x2. In these 8 outputs, you can set maximum 16 layers at one time.

Aux loop outputs
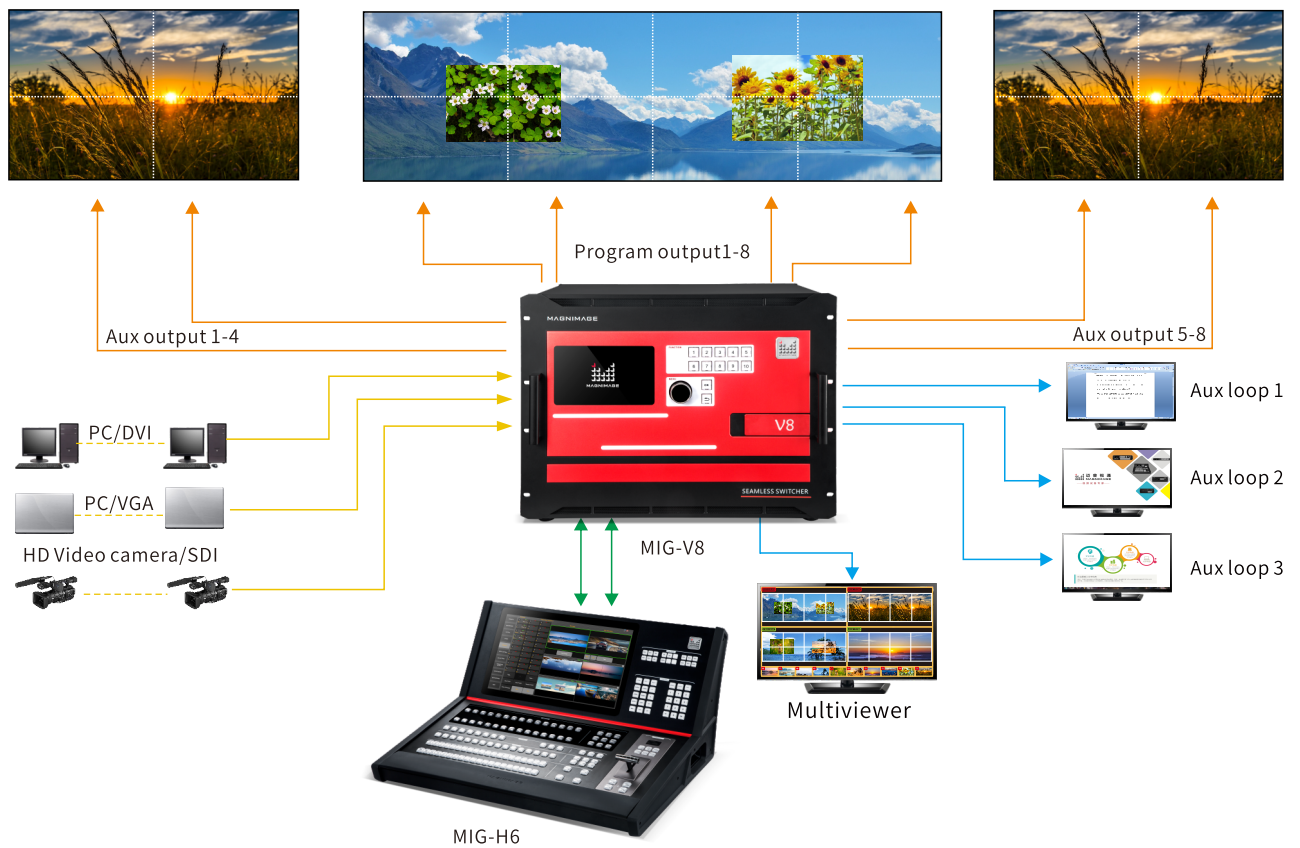You can choose and switch the input source to any of these 3 AUX loop outputs.

Multiviewer output

V8 cooperates with software

Program output1-8

Aux output 1-4

Aux output 5-8

PC/DVI

PC/VGA

HD Video camera/SDI

LAN cable

Router

LAN cable

MIG-V8

Aux loop 1

Aux loop 2

Aux loop 3

Multiviewer

Software

V8 cooperates with H6

Program output1-8

Aux output 1-4

Aux output 5-8

PC/DVI

PC/VGA

HD Video camera/SDI

MIG-V8

Aux loop 1

Aux loop 2

Aux loop 3

Multiviewer

MIG-H6

0755-86647651   www.magnimage.com

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◇ V8 projection blending mosaic

Both Program outputs and AUX outputs support edge blending setting, including blending size, position, blending direction and gamma. One V8 supports up to 16 projectors for edge blending.

Program output1-8

PC/DVI

PC/VGA

HD Video camera/SDI

MIG-V8

Multiviewer

MIG-H8

⬧ Technical parameters

Type	MIG-V8			
Video outputs	Totally 20 outputs: ·8 program outputs(DVI ports/ support 1920x1080/60Hz) ·8 Aux outputs(DVI ports/ support 1920x1080/60Hz) ·3 Aux loop outputs(DVI ports/ support 1920x1080/60Hz) ·1 Multiviewer output(DVI ports/ support 1920x1080/60Hz)			
Video inputs	9 input cards, each card up to 4x 1920x1080/60Hz, 2x 3840x1080/60Hz or 1x 3860x2160/60Hz input. Standard configure with 4 input cards of custom type.			
	Input card type	Port type	Port quantity	Resolution
	VGA	RGBHV	4	1920×1080/60Hz
	DVI	DVI-D	4	1920×1080/60Hz and EDID management
	HDMI	HDMI1.3	4	1920×1080/60Hz and EDID management
	2SDI+2VGA	3G SDI, RGBHV	4	1920×1080/60Hz
	SDI	3G SDI	4	1080i/60Hz,1080P/60Hz
	DP	DP1.1	2	3840×1080/60Hz and EDID management
	2SDI+2DVI	3G SDI, DVI-D	2+2	1920×1080/60Hz
	HDMI(4K)+DP(4K)	HDMI2.0, DP1.2	1+1	3840×2160/60Hz and EDID management DP support 8K×1K/60Hz input
IP output	1 output (Ethernet)			
LINK cascading card	1 card(DP port, including 1x LINKIN and 1xLINKOUT)			
Power voltage	100-240V			
Power frequency	50/60Hz			
Operation temperature	0~45℃			
Chasis N.M.(KG)	27.4			
Overall power consumption (W)	690			
Dimension (mm)	482.6×355×430.5			