



MIG-V6 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 8 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-V6 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

- ▮ 4 Program outputs, 16 resizable layers at any position
- ▮ 4 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 24 mixed inputs with 2K or 4K options
- ▮ Supports 4K\*2K/60Hz 4:4:4 input
- ▮ HDCP1.4 & 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 introduction

### Menu display

Show MIG-V6 present working status, able to check input information, electric status, firmware version, etc.



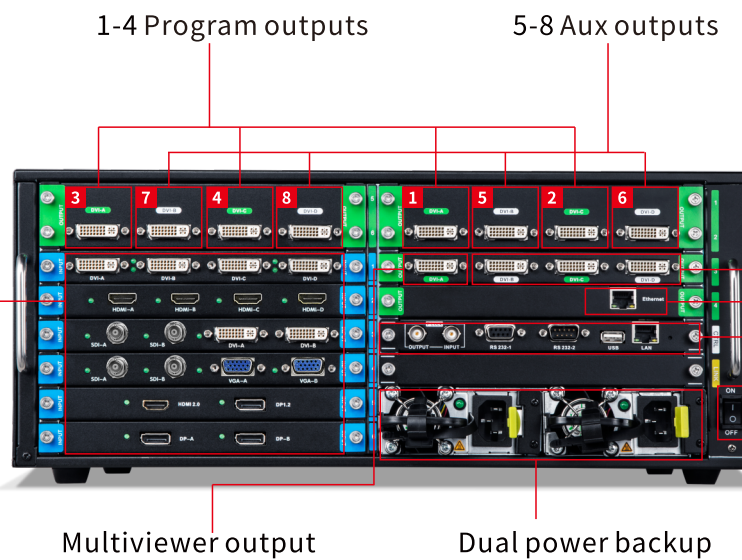
### Function buttons

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

### Menu buttons

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

### Input ports



### Aux loop IP Output

### Control board

### Power supply

### Multiviewer output

### Dual power backup

## Software control

The V6 video switcher can be controlled by software, easy operation, quick react.



LAN cable



Router

LAN cable



# ▣ Various input and output ports

## ▣ Input ports

The 6 input slots allow you to build the machine based on your application. 2K options include DVI, HDMI, VGA, SDI and VGA/SDI mixed card. 4K options include DP card and DP/HDMI mixed card.

Each port 4K×2K/60Hz or 8K×1K/60Hz



## ▣ Output ports

### Program outputs

The 4 Program outputs can be set as any mosaic layout, such as 4x1 or 2x2. In these 4 outputs, you can set maximum 16 layers at one time.



### Aux Output

Like Program outputs, these 4 AUX outputs can be set as any mosaic layout, but each output only support 1 layer at one time.



### Aux loop output

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

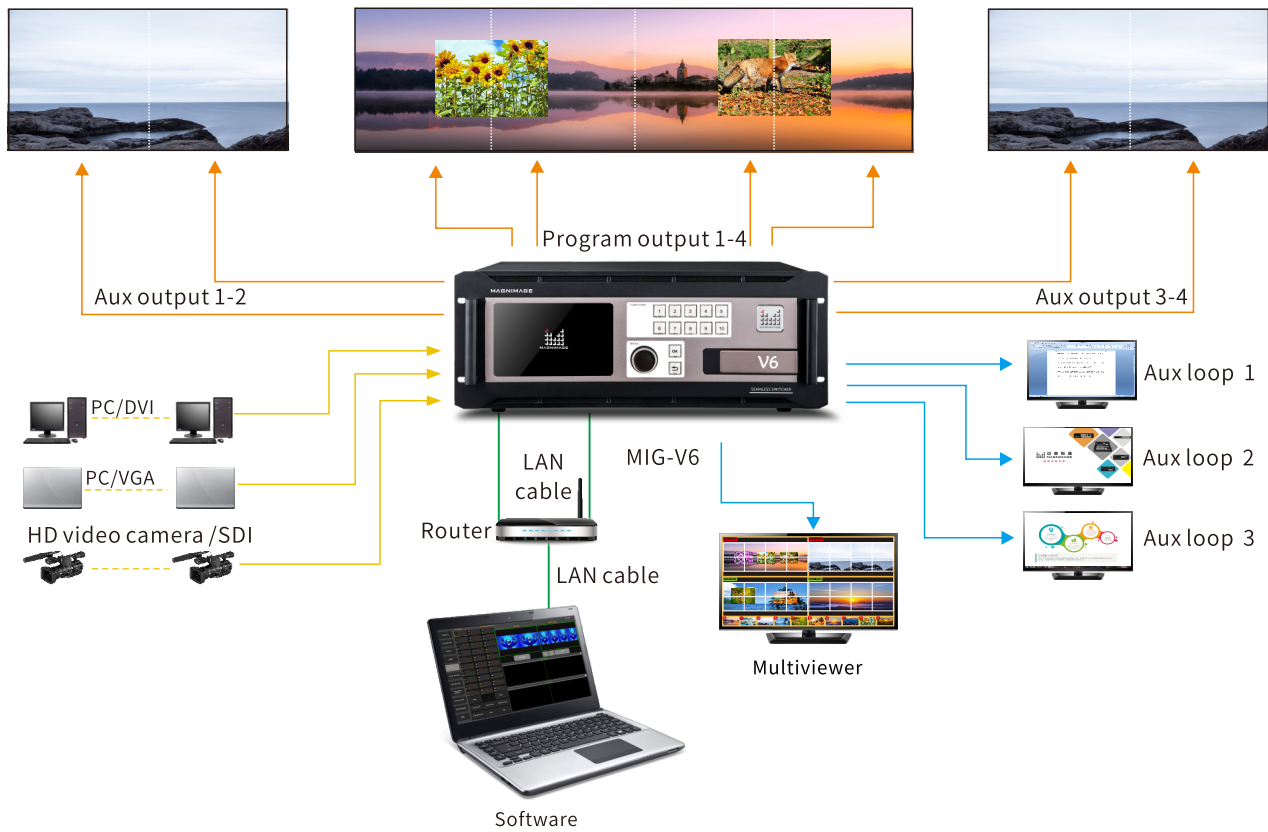


→ 1 Multivirwer output

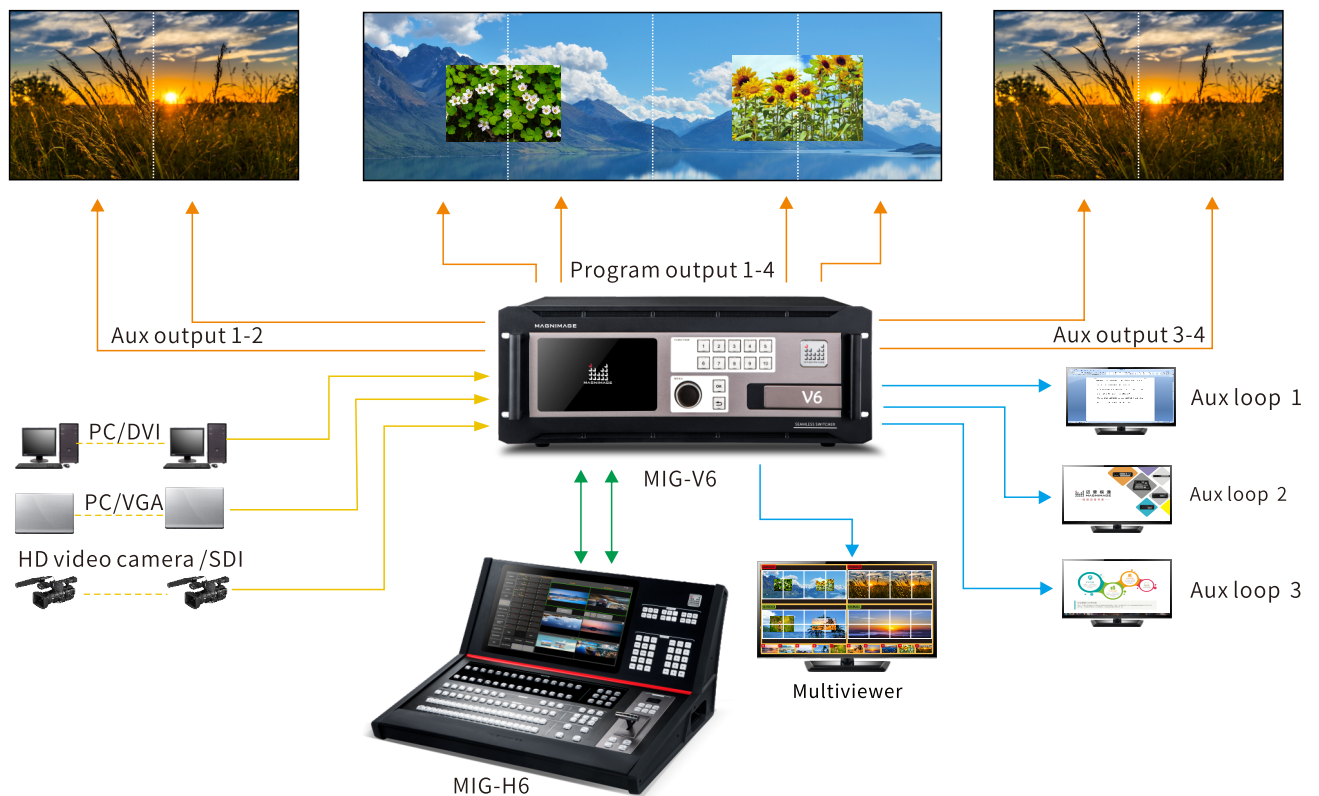




## V6 cooperates with software



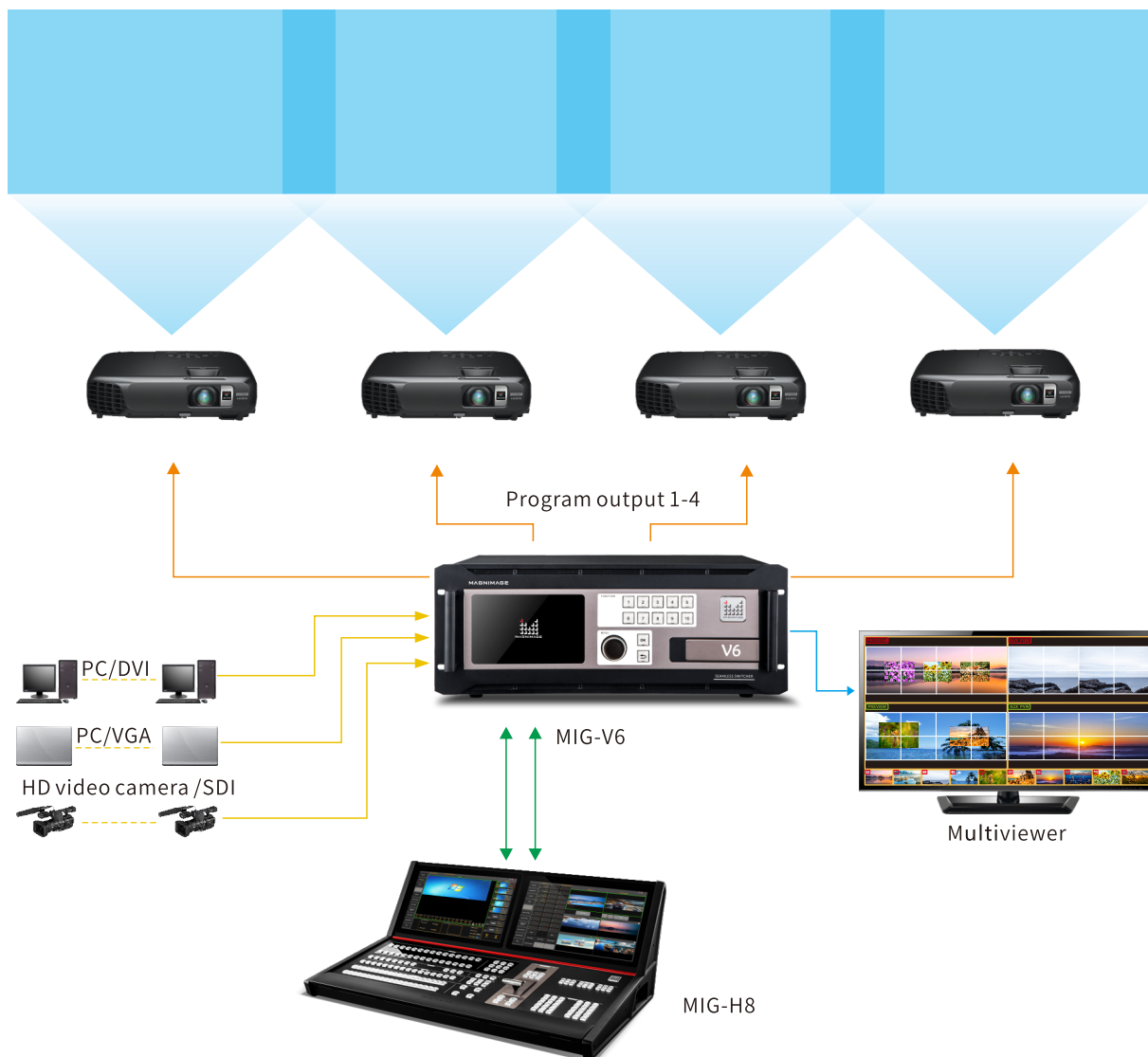
## V6 cooperates with H6





## ▣ V6 projection blending mosaic

Both Program outputs and AUX outputs support edge blending setting, including blending size, position, blending direction and gamma. One V6 supports up to 8 projectors for edge blending.



## Technical parameters

Type	MIG-V6			
Video outputs	Totally 12 outputs: · 4 program outputs(DVI ports/ support 1920x1080/60Hz) · 4 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	6 input cards, each card up to 4x 1920x1080/60Hz, 2x 3840x1080/60Hz or 1x 3860x2160/60Hz input. Standard configure with 3 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 1x LINKOUT)			
Power voltage	100-240V			
Power frequency	50/60Hz			
Operation temperature	0~45°C			
Chasis N.M.(KG)	14.6			
Overall power consumption (W)	620			
Dimension (mm)	482.6×371×177			



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