MIG-640 Series
Video Switcher

MAGNIMAGE

MIG-640 Series product is video switcher developed for display system, using industry's top image processing chip, 24 bit digital processing, and 4K/60Hz 4:4:4 image processing technology. These makes image more clearer and colorful, built-in 4K and 2K matrix can support fade switch between multiple 4K and 2K inputs.
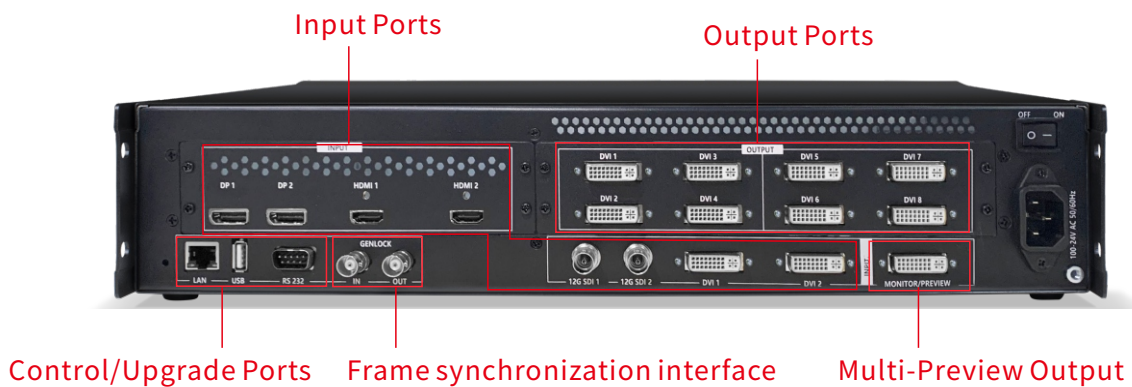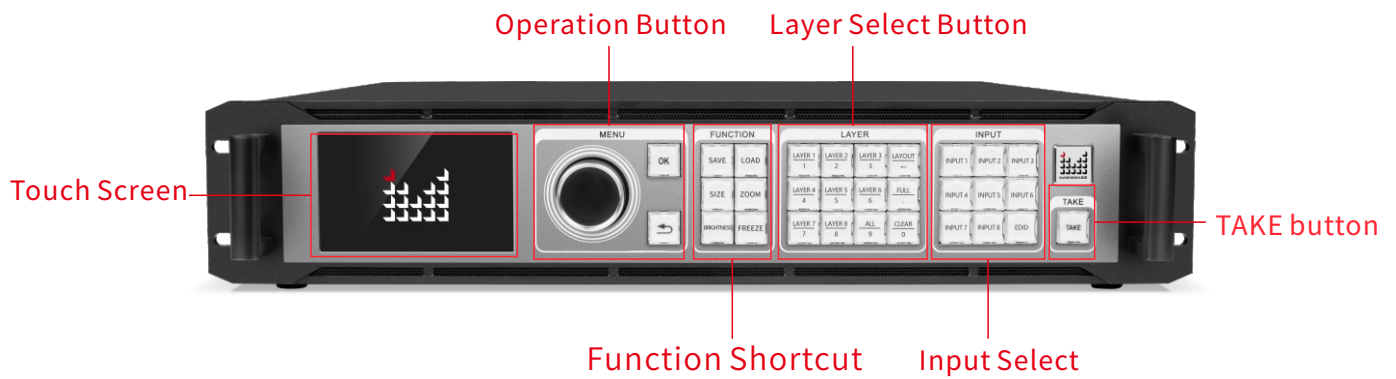
Advanced interfacing motion image adaptive processing technology, eliminate video image motion trailing and jagged problem, makes the output more clear and delicate. Rich video interface which support 8 UHD video input interface including DP1.2, HDMI2.0, 12G SDI and DVI.

MIG-640 is equipped with one touch screen for quick menu browsing and parameter adjustment, Knobs and buttons can accurately adjust various parameter of layers. It's very popular for rental events for the small size, powerful function and convenient use.

Product Features

- Switcher Mode: 4 Program output, support 4 layers, layer size and position freely change
- Moasaic Mode: 8 Output, each output support 4K1K@60Hz, max mosaic to 16K*2K@60Hz
- Support 4K*2K/60H 4:4:4 input
- Support HDCP1.4&2.2
- 1 Multi-window preview, preview input signal, real-time monitoring output, custom layout
- 8 Mixed matrix input, multiple 2K/4K input
- Background picture capture
- Input EDID management
- Image Crop, Layer Zoom
- Support external synchronization, Multi-cascade mosaic
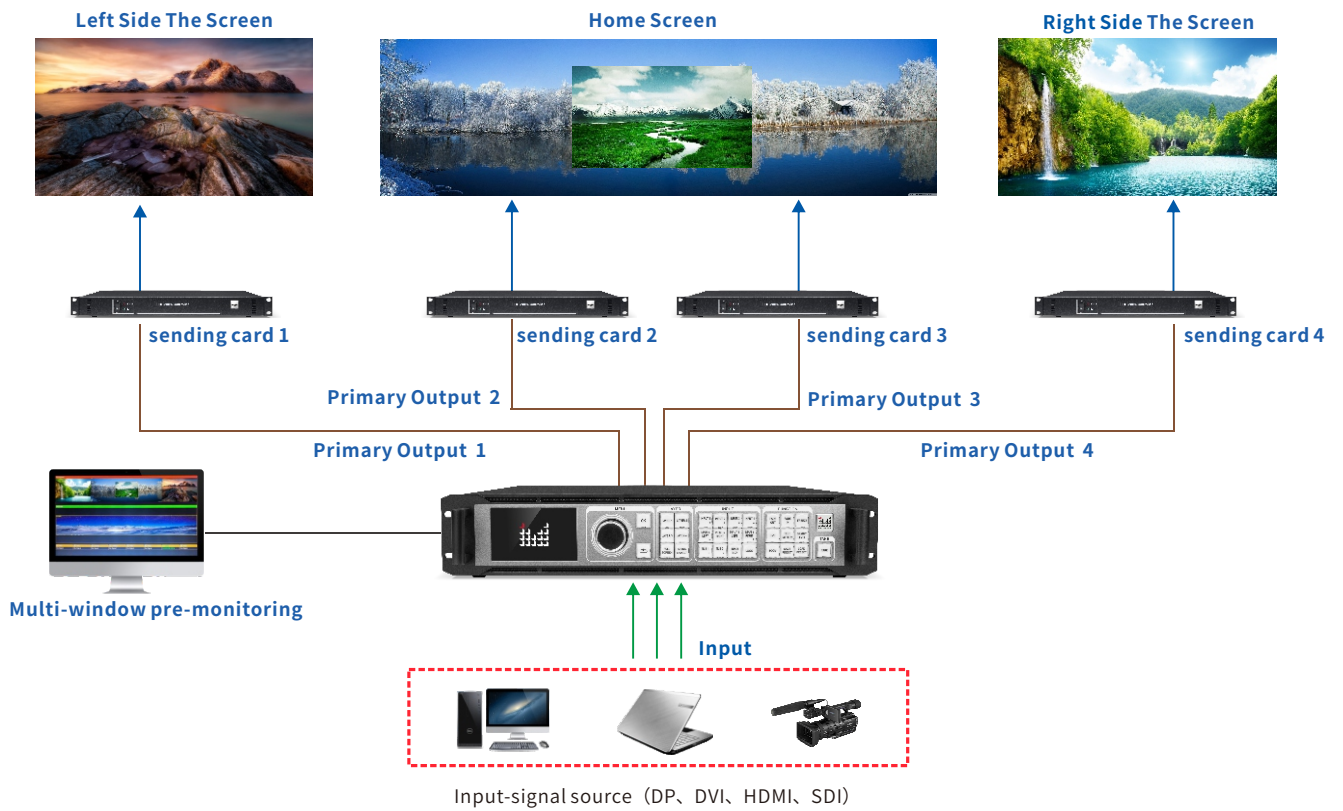- Touch screen control
- 20 presets save and Load
- Hot backup

◿ Switcher Introduction

Operation Button　　Layer Select Button

Touch Screen

TAKE button

Function Shortcut　　Input Select

Input Ports

Output Ports

Control/Upgrade Ports　　Frame synchronization interface　　Multi-Preview Output

▫ 8 input ports in all, 2*12G SDI and 2* 2K DVI with default, 3 options for DP and HDMI, DP 1.2*4 or HDMI 2.0*4 or DP 1.2*2 + HDMI 2.0*2

▫ Output is fixed with DVI1.4*8 and Multi-preview DVI*1

▫ Support button control/Network control/RS232 control

▫ Suuport Genlock Sync
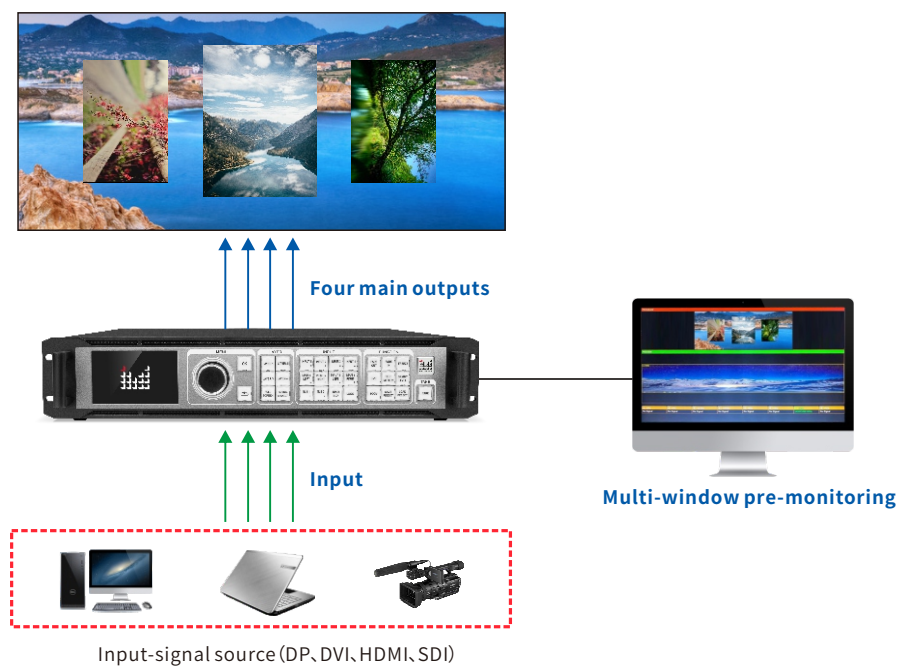
▫ Support USB-DISK upgrade

⬚ switcher function

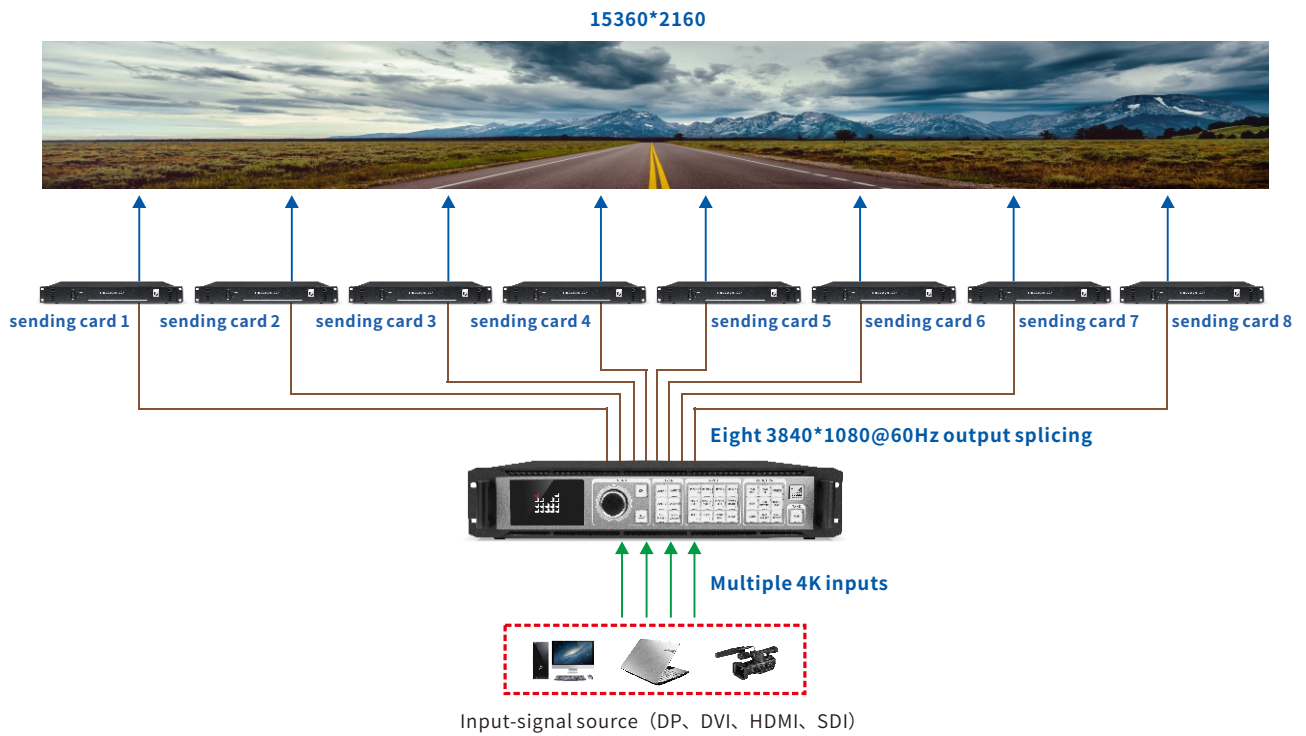In Video switcher mode, can preview edit and switch for 4 Program output with LED screen

Left Side The Screen　　　　　　　　　**Home Screen**　　　　　　　　　**Right Side The Screen**

sending card 1　　　　　　　sending card 2　　　　sending card 3　　　　　　　　sending card 4

Primary Output 2　　　　　　　　　　　　　Primary Output 3

Primary Output 1　　　　　　　　　　　　　　Primary Output 4

Multi-window pre-monitoring

Input

Input-signal source（DP、DVI、HDMI、SDI）

⬚ Support Multi-Layers Seamless Switching

Program output support background and 4 independent layers, layer size/position

Four main outputs

Input

Multi-window pre-monitoring

Input-signal source（DP、DVI、HDMI、SDI）

▣ Mosaic function

In Mosaic mode, max. Support customized mosaic output within 8*3840*1080@60Hz, can realize pixel to pixel display

15360*2160

sending card 1   sending card 2   sending card 3   sending card 4   sending card 5   sending card 6   sending card 7   sending card 8

Eight 3840*1080@60Hz output splicing

Multiple 4K inputs

Input-signal source（DP、DVI、HDMI、SDI）

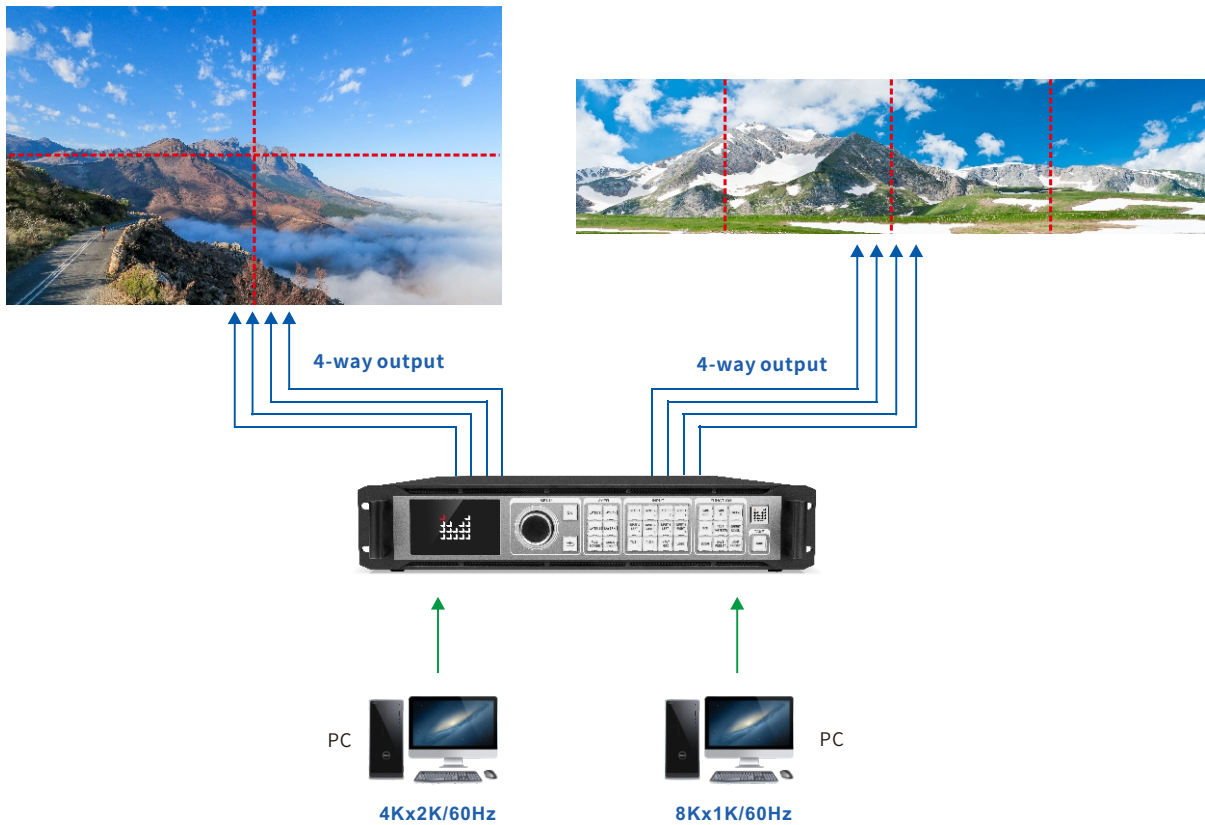## ▣ Signal hot backup

If the current signal source is lost, the device can automatically jump to the preset standby signal source with no black

LED display

4-way 4K outputs   **4-way 4K outputs**

primary server   **primary server**

▨ 4K signal segmentation allocation

The multi-channel 4K input is segmented into multi-channel 2K signal splicing output, and then input into the conventional 2K system
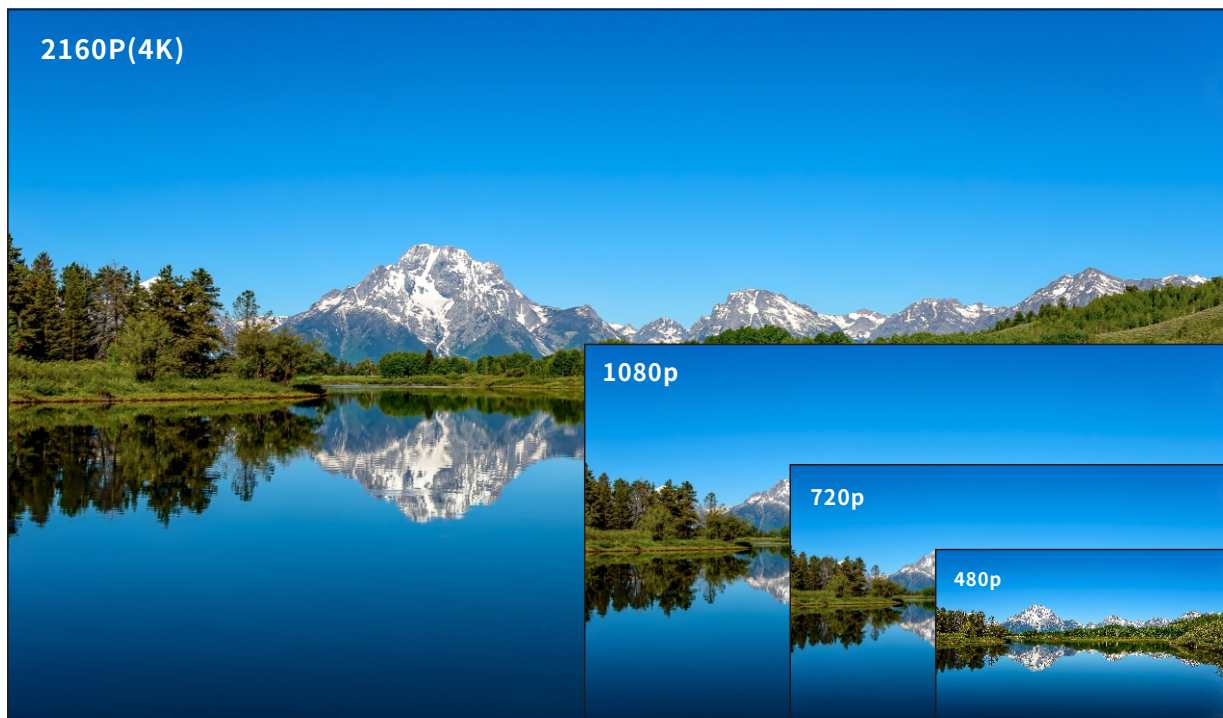

4-way output   **4-way output**

PC   PC

4Kx2K/60Hz   **8Kx1K/60Hz**

▨ Milti-Preview Custom Layout

Provide 5 fixed layout ways, and users can customize layout according to personal preferences.

▢ 12G SDI Input

12G SDI can lossless transmission standard 4K@60hz video signal input, picture quality more guaranteed, and compatible with the resolution of 4K below, can meet the high transmission requirements of broadcasting and television industry.

⟋ Technical Parameters

Input Index

Input Ports	MIG-640-A	MIG-640-B	MIG-640-C	Resolution
DP 1.2	2	4	0	3840*2160/60Hz and EDID Management
HDMI 2.0	2	0	4	3840*2160/60Hz and EDID Management
12G SDI	2	2	2	3840*2160/60Hz and below resolution
DVI	2	2	2	1920*1080/60Hz and EDID Management

Output Index

Output Type	Port	Quantity	Resolution
Program Output	DVI	8	3840*1080/60Hz and EDID Management
Multi-preview output	DVI	1	1920*1080/60Hz

Specification

Power Supply	100~220V AC 50/60Hz
Power Consumption	90W
Product dimensions	482.6×446.3×92.5mm
Net Weight	6.7kg