



LED-EC40 Series product is LED video processor 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.

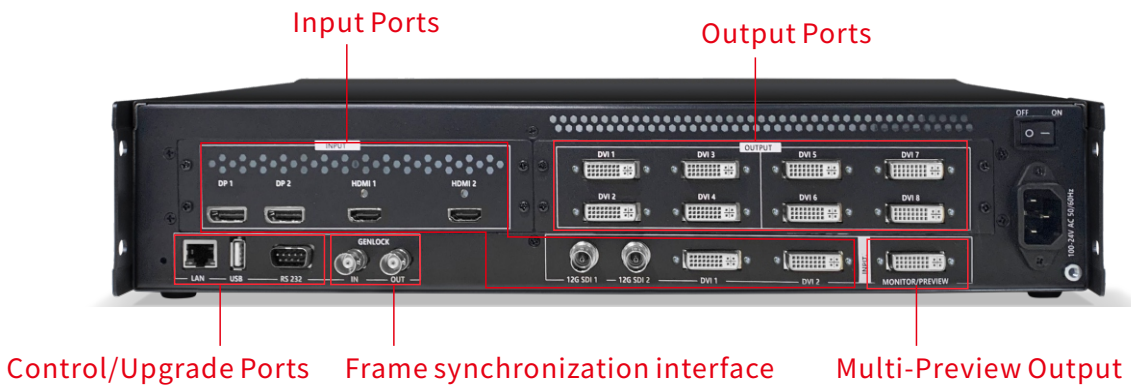
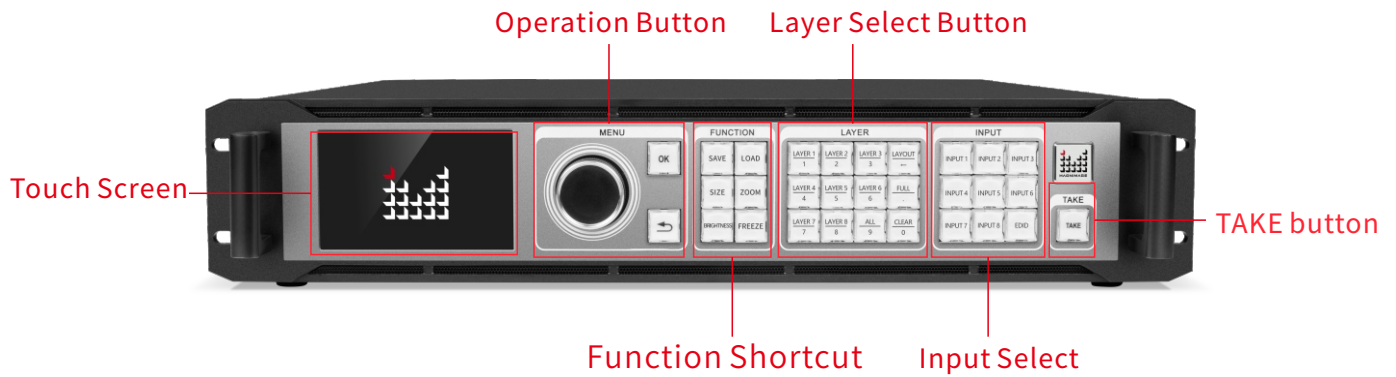
Advanced interfacing motion image adaptive processing technology, eliminate video image motion trailing and jagged problem, makes the output more clear and delicate. Rich video interface which support 8 UHD video input interface including DP1.2, HDMI2.0, 12G SDI and DVI.

LED-EC40 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
- ▮ Moosaic 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

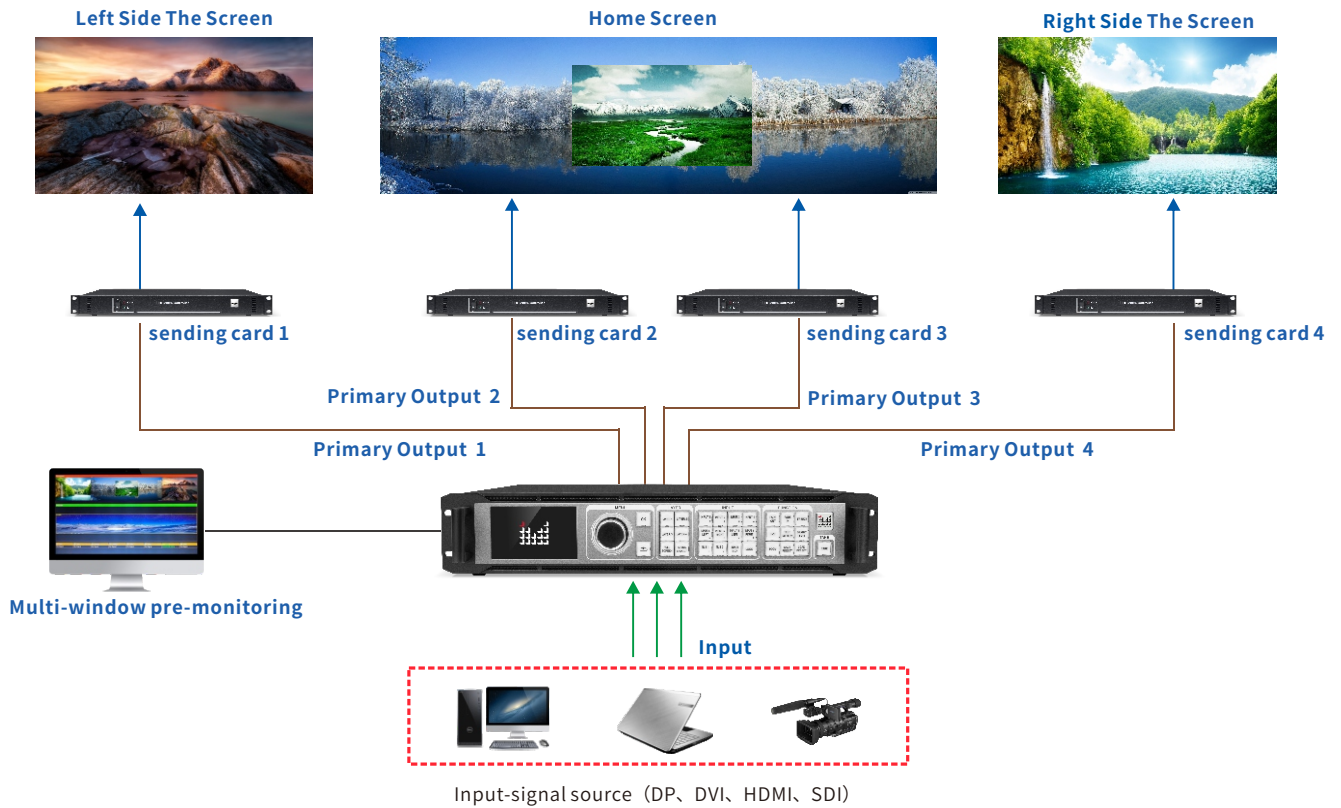
LED video processor Introduction



- 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
- Support Genlock Sync
- Support USB-DISK upgrade

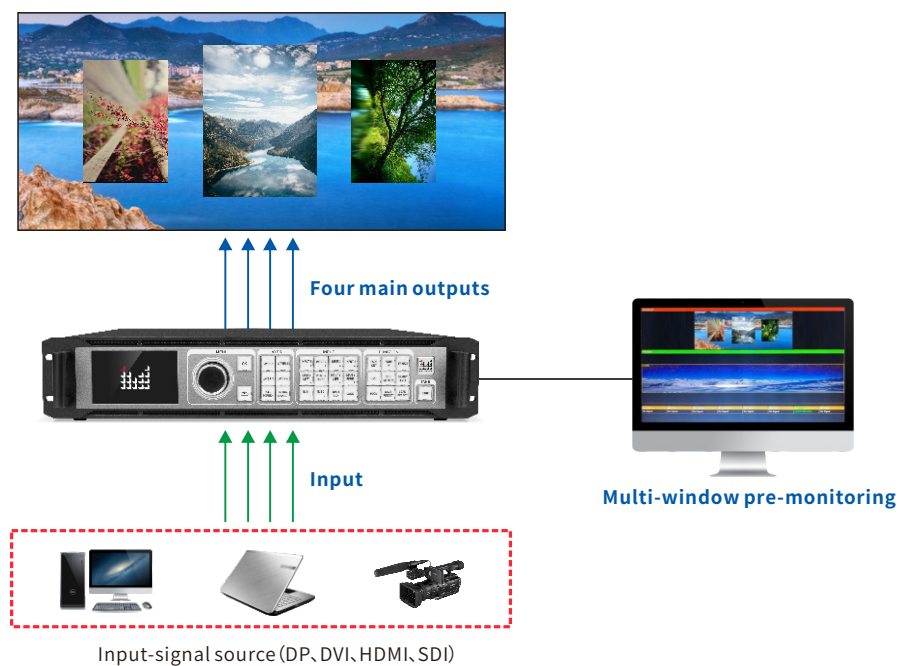
switcher function

En el modo de conmutador de vídeo, puede obtener una vista previa de la edición y cambiar para 4 salidas de programa con pantalla LED



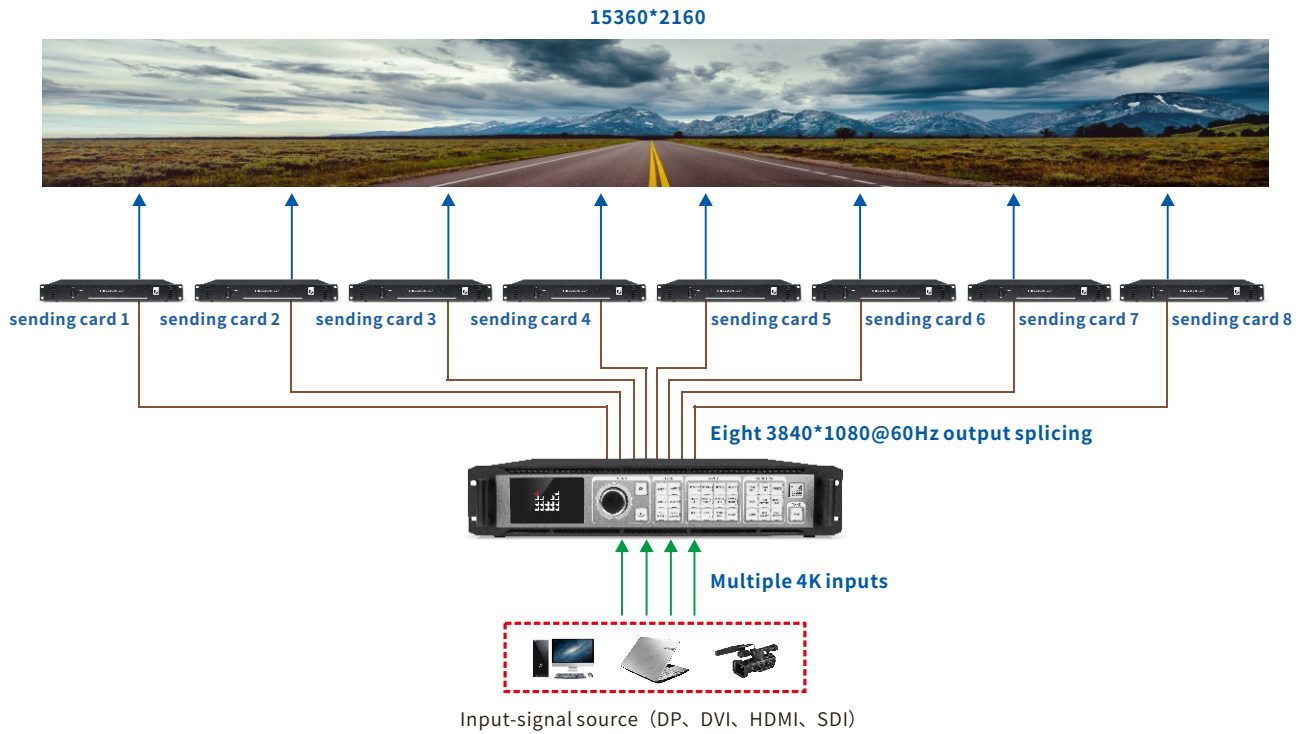
Admite conmutación sin problemas de múltiples capas

Program output support background and 4 independent layers, layer size/position can be changed freely, support fade switch for 4 layers to 4 layers.



Mosaic function

In Mosaic mode, max. Support customized mosaic output within $8 \times 3840 \times 1080 @ 60\text{Hz}$, can realize pixel to pixel display within $15360 \times 2160 @ 60\text{Hz}$.



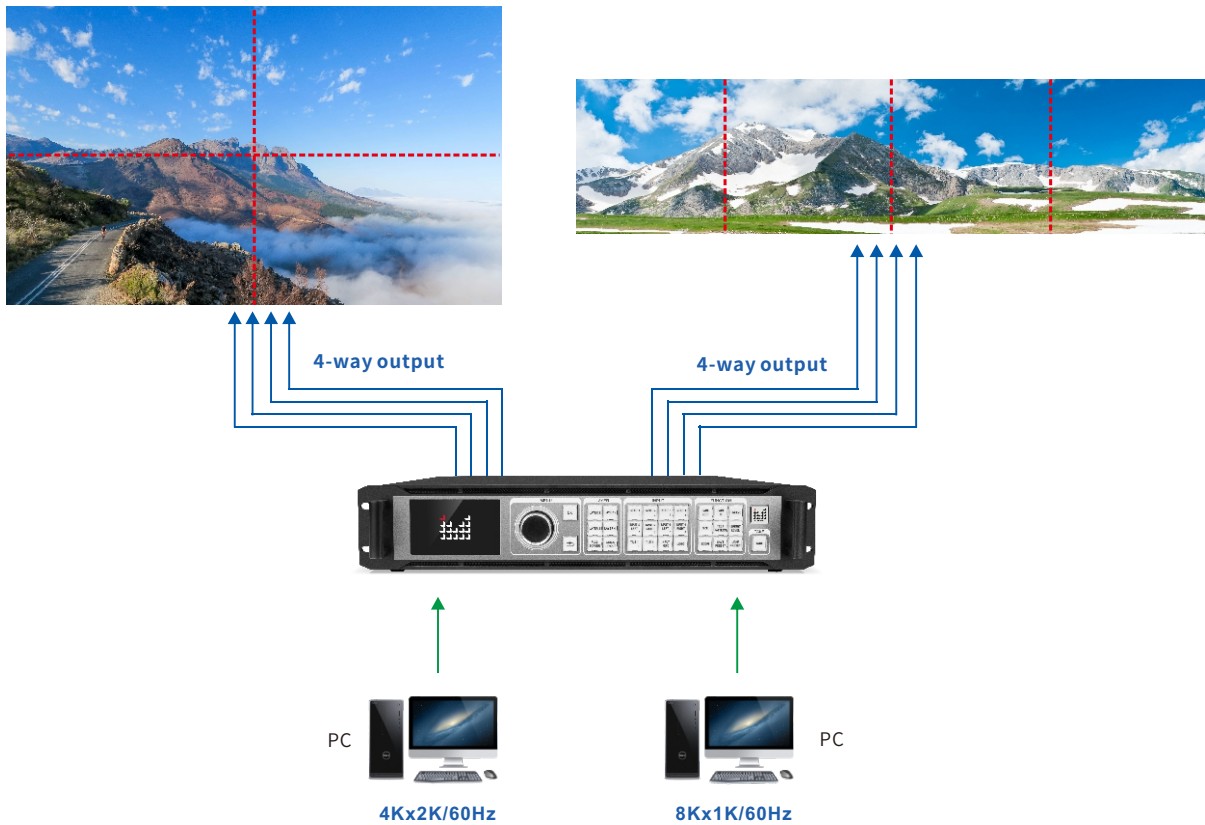
Signal hot backup

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



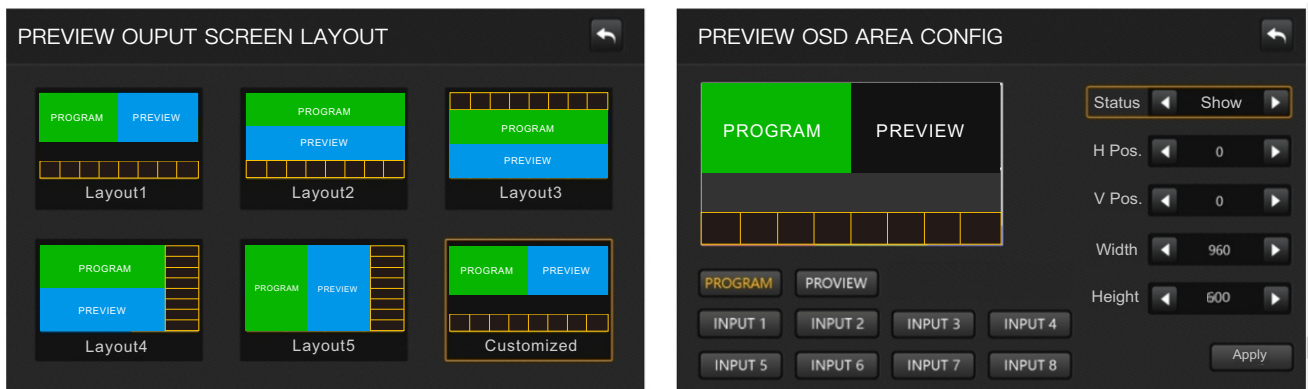
4K signal segmentation allocation

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



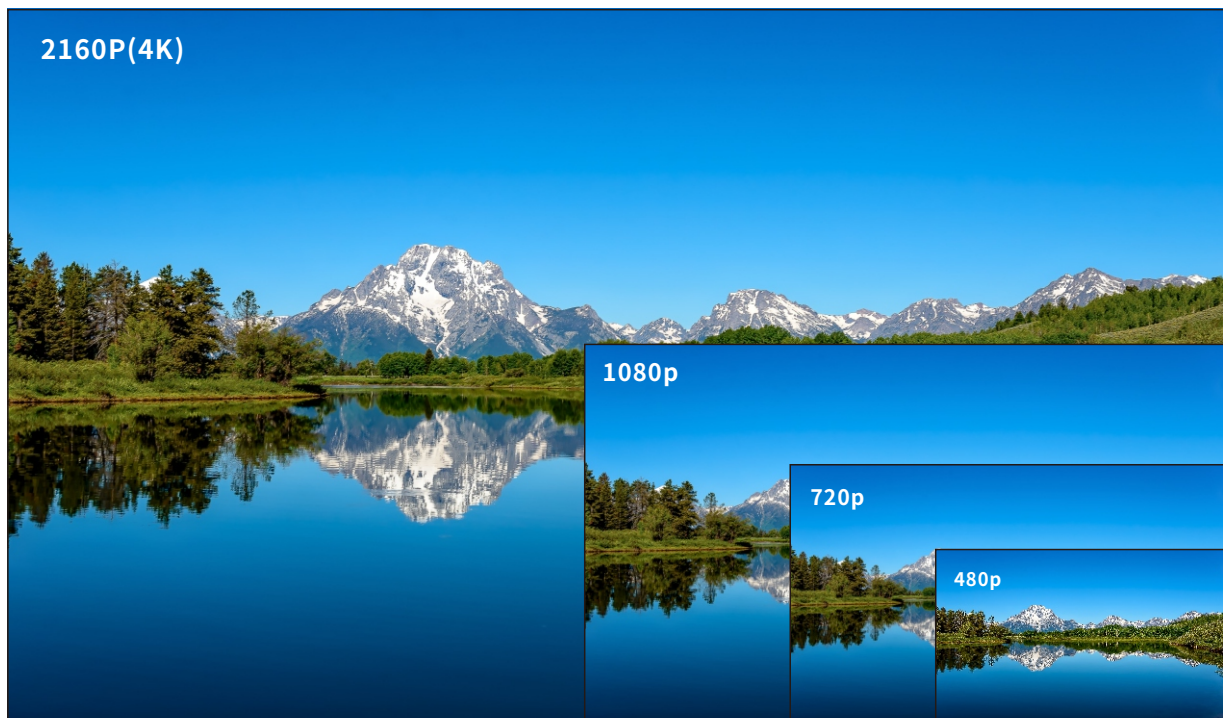
Multi-Preview Custom Layout

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	LED-EC40-A	LED-EC40-B	LED-EC40-C	Resolution
DP 1.2	2	4	0	3840*2160/60Hz、7680X1080/60Hz 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	3840*2160/60Hz 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



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