MIG-EC80 Series
All-in-one 4K Switcher

MAGNIMAGE

MIG-EC80 is a 4K seamless switcher which combines input, output, switching and controlling in one machine. Based on its 4K/60Hz 4:4:4 processing technology and matrix design, this switcher is able to manage and switch 4K video freely.

The touched screen allows you to view the menu and set different adjustment. The T-bar and rotatory knob can help you adjust different parameters of a layer.

Compact but powerful, MIG-EC80 is the ideal solution for different rental events.

Features

- Support 1 Program output, 1 Multi-preview, 4 AUX outputs
- Program output and AUX output support 4K×2K/60Hz
- Customized input & output resolution
- Support up to 12 channels of 4K×2K/60Hz input
- Support layer clone and shadow function
- Support HDCP1.4 & 2.2
- Support output of HDMI2.0 & 1.2
- Support Windows & Mac software control

- Touched screen, T-bar switching
- 4 layers to 4 layers seamless switching
- Save & load up to 3 logos
- Layer shadow effect
- Support Chroma-key
- Fast save & load of 20 user presets
- Layer clip, zoom and crop

Touched screen of the switcher's menu

To enter, exit, browse the menu and adjust different settings with the help of keyboard and rotary knob.

Light interface and switch

Parameters adjustment area

The rotary knob can swing up and down or left and right. Rotate the knob and press the button, you can set the layer's size, position, clip and zoom function.

Layer area

Button 1-4 indicate the correspondent layer. Buttons on the right help you delete, quick full screen, set the top or bottom of a layer. Chroma-key setting is also set here.

LOGO

LOGO save & load, LOGO 1-3 indicate the saved logo.

Functional area 1

In this area, you can choose different switching modes between Preview and Program, including SWAP and EDIT. Switching time and layer shadow effect are also set here.

Switching area

Realize seamless switching between Program and preview through T-bar, CUT and TAKE. Also there are image freeze, quick black screen and button key lock.

Functional area 2

Quickly enter the menu of a layer information, including size, position, zoom, clip etc. With number buttons below, input values can be set freely.

Input signal selection area

4 rows of buttons show the input signal of 1-4 layers. To change the input signal of a AUX output, please long press the AUX button and short press the number button.

Preset area

Button 1-20 indicate the saved presets. Buttons on the right help you save, load, delete and undo the preset.

AUX output 1   **AUX output 2**   **AUX output 3**

Program output

AUX output 4

Multi-preview

Input 1-8

Extended input slot 1

Network control port   **USB upgrade port**   **Genlock input/output**   **Extended inputs slot 2**
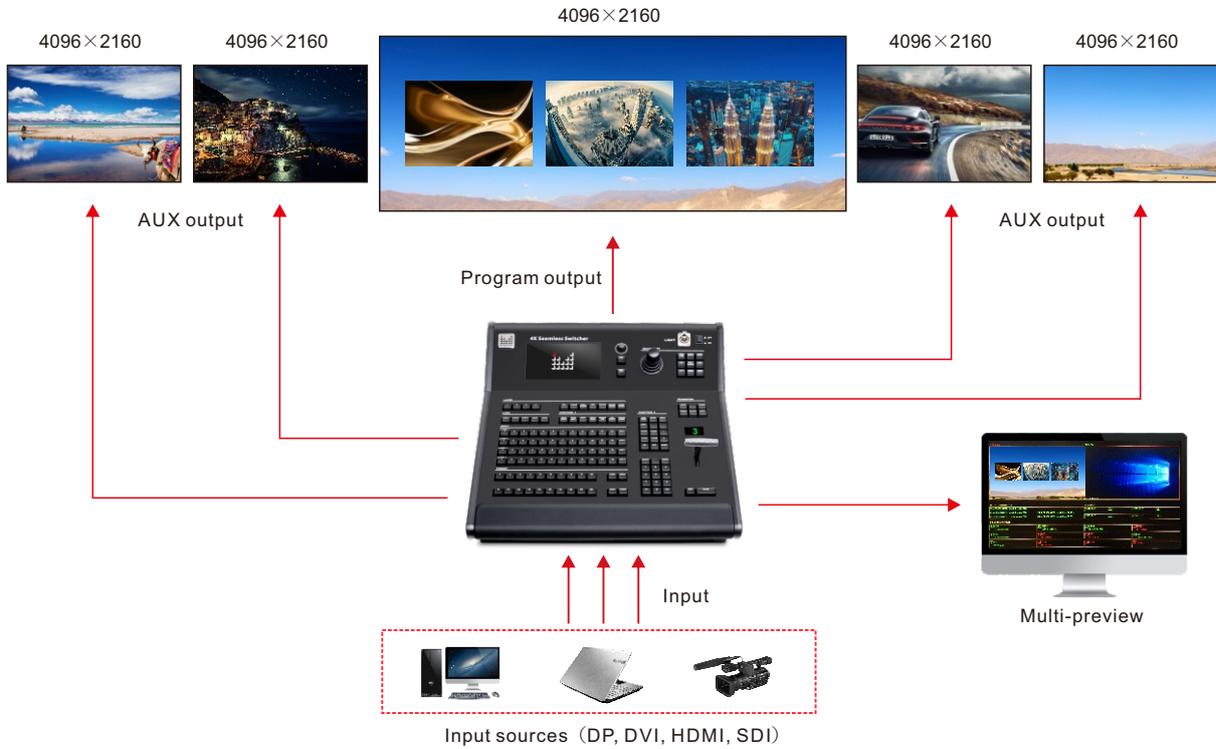
Notes: every output has 1 duplicate backup output.

⟋ Main Characteristics & Application

All 4K inputs & outputs

MIG-EC80 has 1 Program output and 4 AUX outputs. All of them support 4K×2K@60Hz and customized resolution setting. Meanwhile it includes 1 Multi-preview and up to 12 channels of 4K×2K@60Hz inputs.

4096×2160   4096×2160   4096×2160   4096×2160   4096×2160

AUX output   Program output   AUX output

Multi-preview

Input

Input sources（DP, DVI, HDMI, SDI）

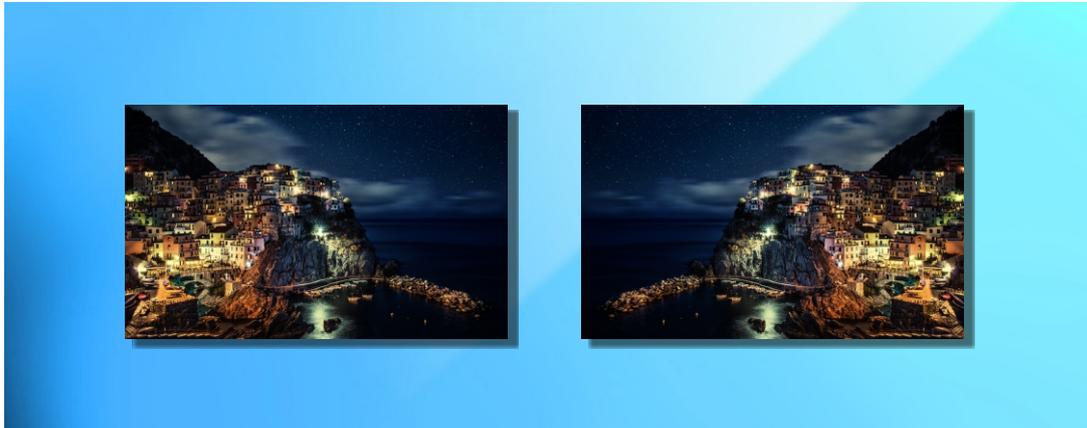## Multi-layers, seamless switching

The Program output support 4 independent layers and fade in/out switching. The size and position of all layers can be set freely. The AUX output support 1 full screen layer and fast-cut switching.

Program output

Multi-preview

Input

Input sources（DP, DVI, HDMI, SDI）
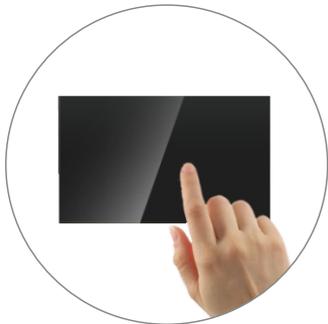
⟁ Main Characteristics & Application

⬚ Layer clone, mirror and shadow effect

4 independent layers of the Program output support clone, mirror and shadow effect.

⬚ Multiple control modes

Touched screen control, T-bar switching control and keyboard control

⬚ Windows&Mac software control

⟋ Main Characteristics & Application

▢ Control the MIG-EC80 with software and EXK200 keyboard

4096×2160

4096×2160   4096×2160   4096×2160   4096×2160

AUX output   AUX output

Program output

Multi-preview

Input

Input sources（DP, DVI, HDMI, SDI）

MIG-EXK200

▣ Technical parameters

Input indication

Port	Quantity	Resolution
DP1.2	4	3840×2160/60Hz and EDID management
HDMI2.0	4	3840×2160/60Hz and EDID management

Extended input indication（Single extended input card）

Port	Quantity	Resolution
DP1.2	2	3840×2160/60Hz and EDID management
HDMI2.0	2	3840×2160/60Hz and EDID management
SDI	2	480i/60Hz, 576i/50Hz, 720p/60Hz, 1080i/60Hz/50Hz, 1080p/60Hz/50Hz(3G SDI)

*Support 2 extended input cards, and one input card has 2 inputs.

Output indication

Output type	Port	Quantity	Resolution
Program output	HDMI	1×2	4096×2160/60Hz 4096×2160/50Hz、3840×2160/60Hz、3840×2160/50Hz、3840×1080/60Hz and customize output resolution is 4352 for maximum width or 2176 for maximum height.
AUX output	HDMI	4×2	
Multi-preview	DVI+HDMI	1+1	1920×1080/60Hz

*1×2: 1 group of output, 2 duplicate ports; 4×2: 4 groups of output, each group has 1 2 duplicate ports.

Specification

Input power supply	100~240V AC 50/60Hz
Power consumption	120w
Overall dimension（L×W×H)	492.8×541.6×194.5mm
Net Weight	16.6kg