

Video Seamless Switcher MIG-620C series

Brief

MIG-620 series products are the video processors that focus on large LED display system, which used the most advanced image processing chip with 12 bits digital processing to make more distinct image and abundant color.

The advanced interlaced scanning self-adoption technology, it can eliminate the trailing and flaw in the motion of video. For the normal PAL/NTSC video, the output image will be more clearly.

While for the HD 1080i signal, it can enrich the detail of image and color, and make the quality of image as the leading level in the industry.

Complete video image input and output ports, which involve 4×VGA(it can switch to 4×CVBS,) ,2×CVBS ,4×DVI, one SDI extended port, one digital signal extend port, 2 sets of signal output port and each set contains 1 channel DVI and VGA output. It achieves multiple analog and digital signal compound and separated input. Furthermore, it supports manifold switch effects, such as: short cut, fade in/out, Marginal dissolution etc, and it can adjust the effect time to satisfy the various requirements.

It has internal image layer processing technology that can run 3 synchronous images, which support adding LOGO, black screen and freezing image. Furthermore, chroma key are also available, which can finish Caption overlay and image amalgamation.support full HD signal input, it can connect with multiple audio and video equipment, it support multiple input signal seamless switching and PIP function.

Human-machine interface makes the operation easier and more simply

Completed hardware architecture makes it Stable and reliable.



Main characteristics

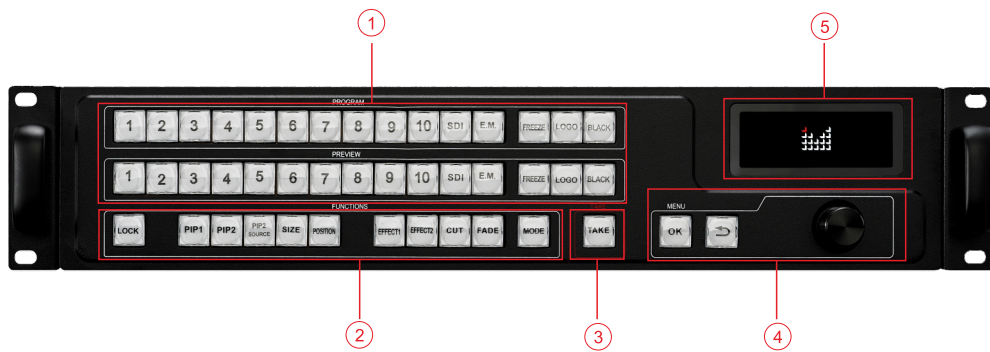
12 channels of compound analog and digital signal input	Fade in/out, seamless switching etc 16 effects
HD LOGO	Chroma key
Preview function	Image crop
3 synchronous images output	Image freeze
10 presets	12 input and 2 output compound matrix
Support 2 set of image output(DVI+VGA)port	Customized input resolution
Support template saving and calling	Black screen

Operating mode

One operating mode: button control

Button control: manual control the front panel to achieve the diverse operation

The front and rear panel introduction



1--Input signal source

To switch the main channel input signal, order number key and SDI, E.M. which used to switch relevant output channel's signal. FREEZE is used to freeze or thaw the image, and LOGO used to turn on and off the screen-capture and the BLACK is for running black screen.

2--Function key

Manifold windows and preview, the position and size of the window, seamless switch effect, template function.

3--Switch function key.

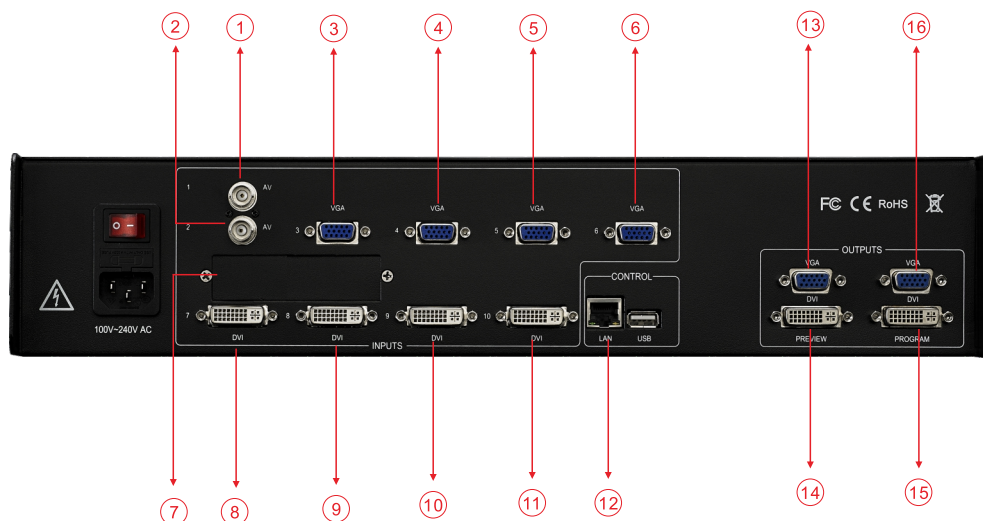
Press the TAKE key, in the default state of the menu, it can call the image switching interface, and in this interface. TAKE key can used to achieve switching function.

4--Operating key

OK key, return key and knob can use to browse, and set the menu function.

5--menu display

To display entire menu system when the use has not any operating, the LCD screen will show the default state, according to the move around the knob and press button to operate the menu. The user can set and check the function and state of this device intuitively.



1--AV1 input

2--AV2 input

3--VGA1 input

4--VGA2 input

5--VGA3 input

6--VGA4 input

7--Extend input

8--DVI1 input

9--DVI2 input

10--DVI3 input

11--DVI4 input

12--LAN

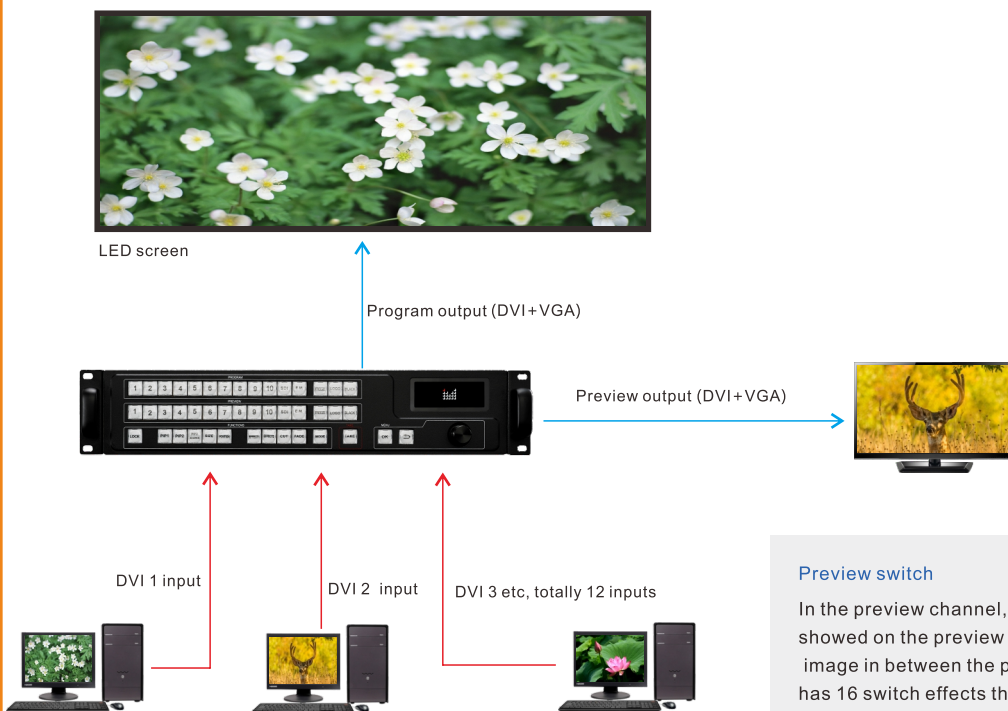
13--VGA preview output

14--DVI preview output

15--DVI main output

16--VGA main output

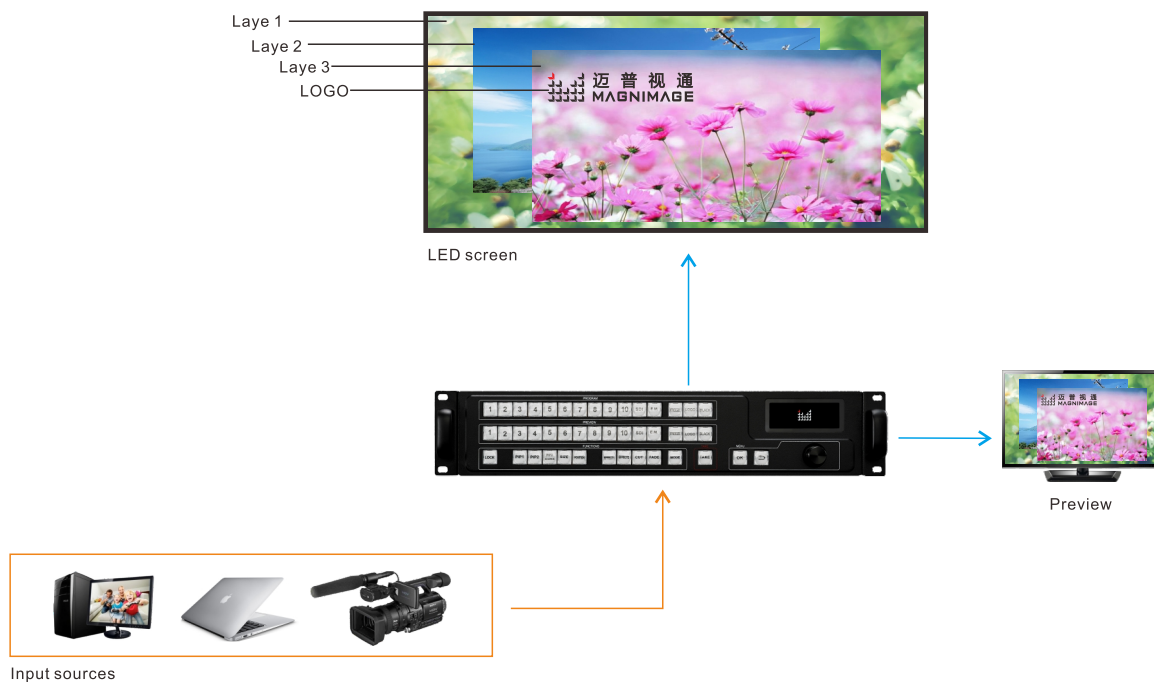
Preview switch



Preview switch

In the preview channel, select the signal. After the signal be showed on the preview stably, and use TAKE key to switch the image in between the program output and preview output. It has 16 switch effects that short cut, fade in/out, wipe up, wipe down, wipe lift, wipe right, wipe curtain in/out, wipe center in/out, wipe plus in/out, checkerboard, persiennes, wipe square in/out. The duration time is can be adjusted by switch the time period. We use the key EFFECT 1 and EFFECT 2 can change the effect when we press this button to switch the input signal

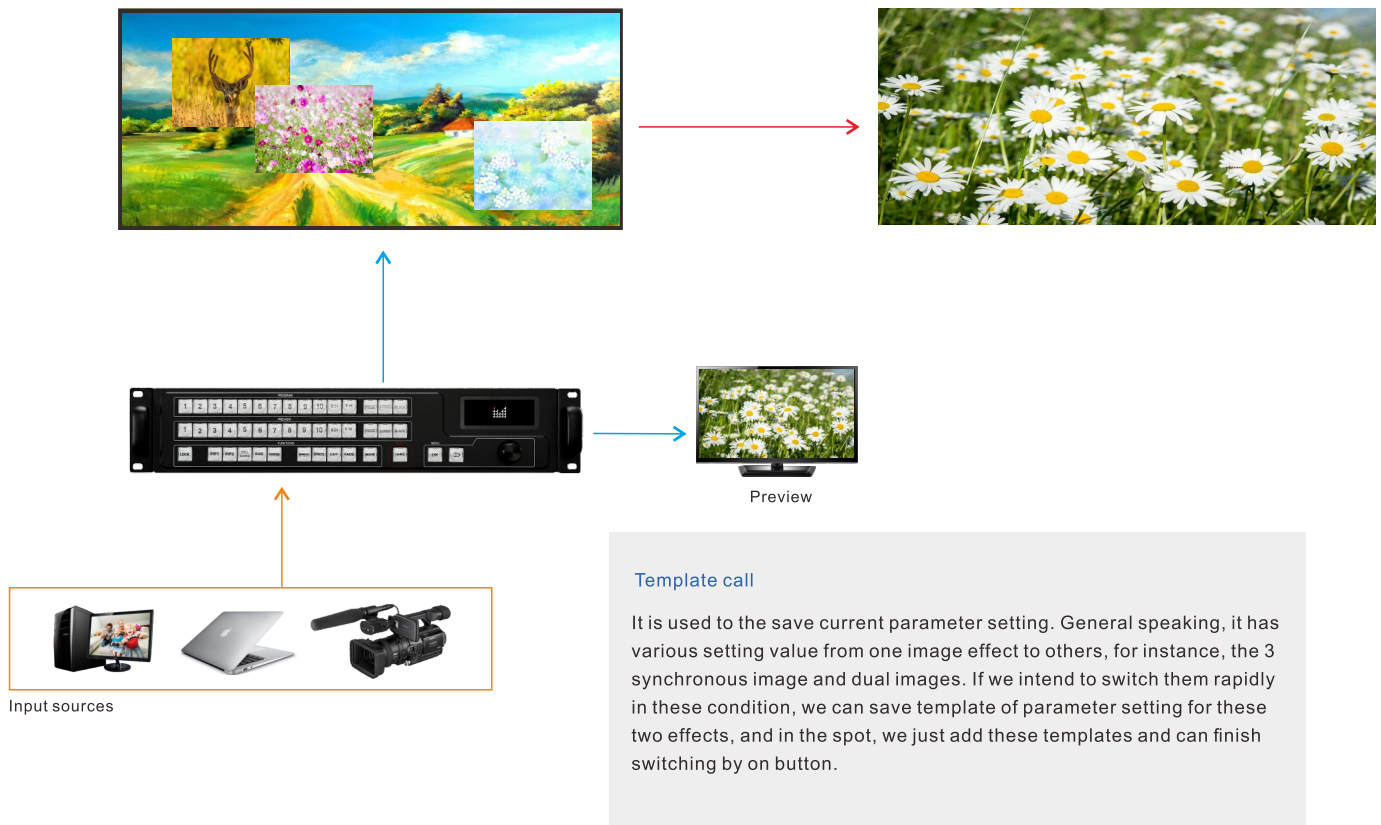
3 synchronous image output, and it can overlay a HD LOGO



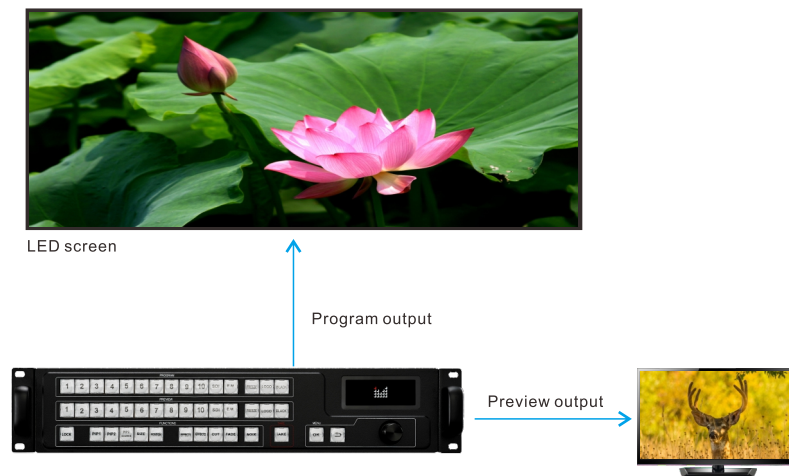
3 synchronous image output, and it can overlay a HD LOGO

We can modify the size in horizontal and vertical to change the size of Picture in Picture(PIP), but also for its position. It can achieve Picture in Picture with dual or 3 synchronous images, and Picture out Picture. As for the LOGO, we can cut the image from preview and program main output channel, and then save it as LOGO. It can store 8 LOGO at maximum, the HD logo can be load to the random position of preview and program output channels.

Template call



HD LOGO



HD LOGO

In the conference and stage show, it always has a theme pictures. MIG-620 can save this full screen theme picture into our device, and we just call the theme picture by LOGO key, and eliminate the cumbersome steps in switching. Even if it does not have any output from computer, to make the meeting go well without any black screen..

Technical specifications

Input

Port	Quantity	Resolution specification
CVBS	2	PAL, NTSC, SECAM
VGA	4	VESA
DVI	4	VESA (Support 1080 input)
SDI*	1	480i, 576i, 720p, 1080i/p(3G SDI)
E.M*	1	Extend to SDI or DVI port

* Extend Model

Output

Port	Quantity	Resolution specification
VGA	2	1024×768/60Hz 1280×1024/60Hz
DVI	2	1440×900/60Hz 1600×1200/60Hz 1600×1200/60Hz-Reduced 1680×1050/60Hz 1920×1080/60Hz/50Hz 1920×1200/60Hz

Console specification

Power supply	100~240V AC 50/60Hz
Power consumption	75W
Operation temperature	0~45°C
Product dimension (L x W x H)	482.0×401.2×88.5mm
N.W.	6.3kg

MIG-620C series productmode

Item number	Name	Description
MIG-620C	Basic	Basic
MIG-620CS1	Expanded SDI input module	Basic +SDI input
MIG-620CS2	Extended external 2×SDI input	Basic +2×SDI input
MIG-620CD	Extended external DVI input	Basic +DVI input
MIG-620CSD	Extended external SDI and DVI input	Basic +SDI and DVI input

Included Accessories

Provided accessories:

- Instructions ×1
- Power cable ×1
- DVI cable ×1
- Certificate ×1

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