MAGNIMAGE
迈 普 视 通

Video Seamless Switcher MIG-630C series

Brief

MIG-630C 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 6×VGA/CVBS ,4×DVI, one SDI extended port, one digital signal extend port, 3 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.

Human-machine interface makes the operation easier and more simply

Completed hardware architecture makes it Stable and reliable.

Main characteristics

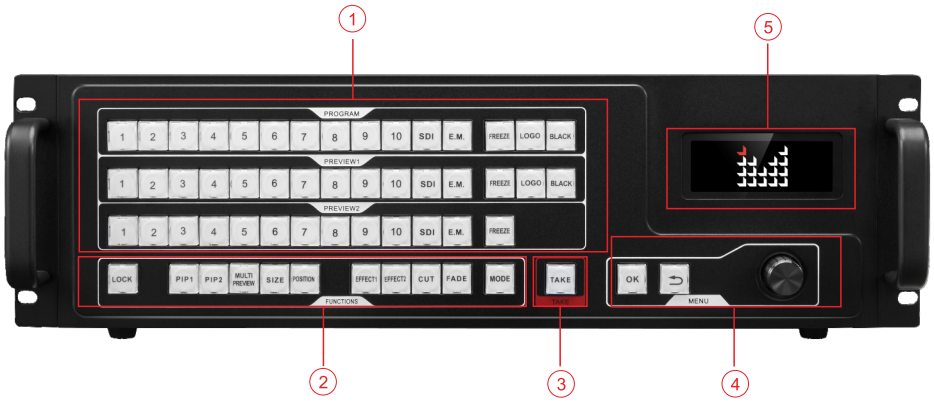
12 channels of compound analog and digital signal input	Fade in/out, seamless switching etc 16 effects
LOGO save and call	Chroma key
Preview function	Image crop
3 synchronous images output	Image freeze
10 presets	12 input and 3 output compound matrix
Support 3 set of image output(DVI+ VGA)port	Customized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



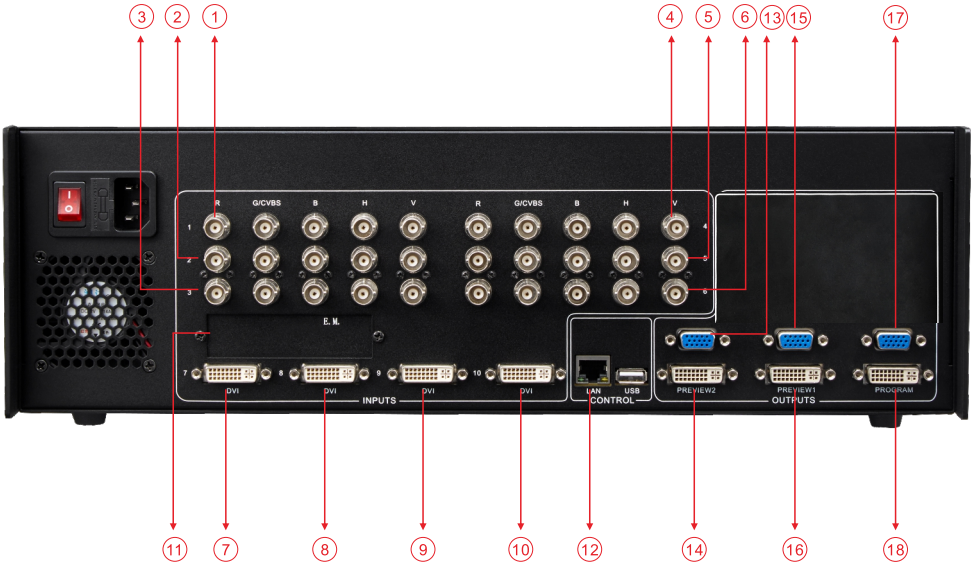
1--Input signal source:
Order number key and SDI, E.M. which used to switch relevant output channel's signal. FREEZE is used to freeze or thaw the image, and LOGO used to turn on and off the screen-capture and the BLACK is for running black screen.

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.

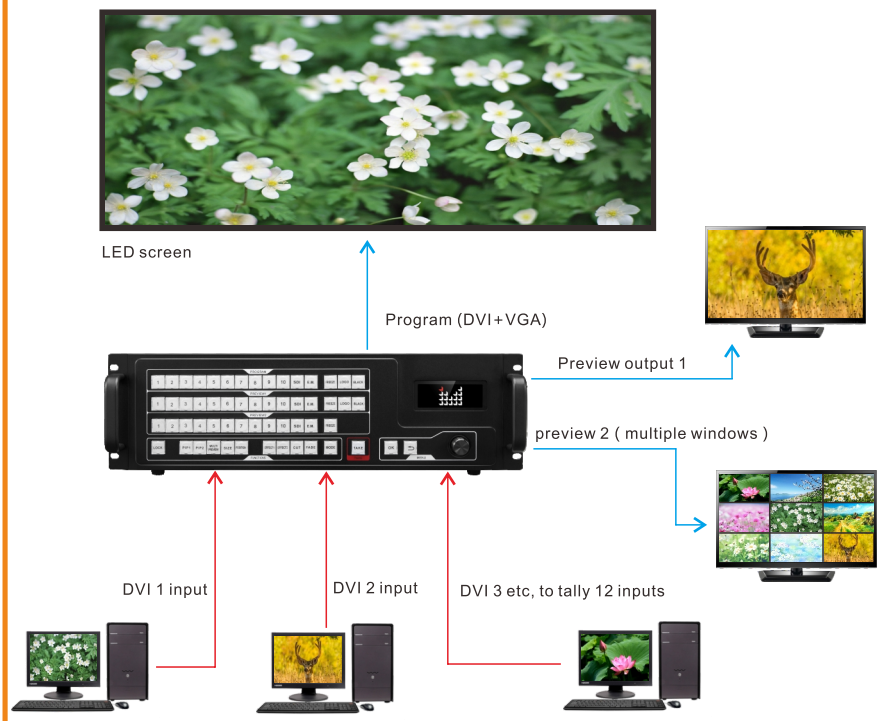
4--Operating key
OK key, return key and knob can use to browse, and set the menu function.

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--VGA 1 input
2--VGA 2 input
3--VGA 3 input
4--VGA 4 input
5--VGA 5 input
6--VGA 6 input
7--DVI 1 input
8--DVI 2 input
9--DVI 3 input
10--DVI 4 input
11--Extend input
12--LAN
13--VGA preview 2 output
14--DVI preview 2 output
15--VGA preview 1 output
16--DVI preview 1 output
17--VGA main output
18--DVI main output

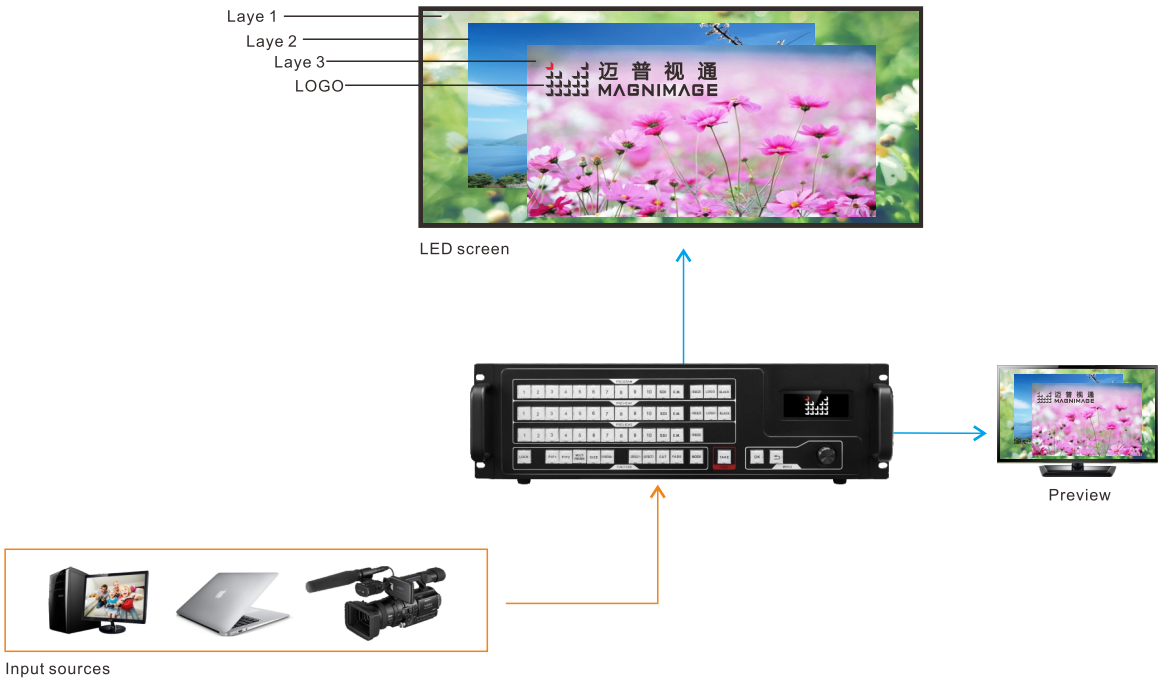
Preview switch



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.

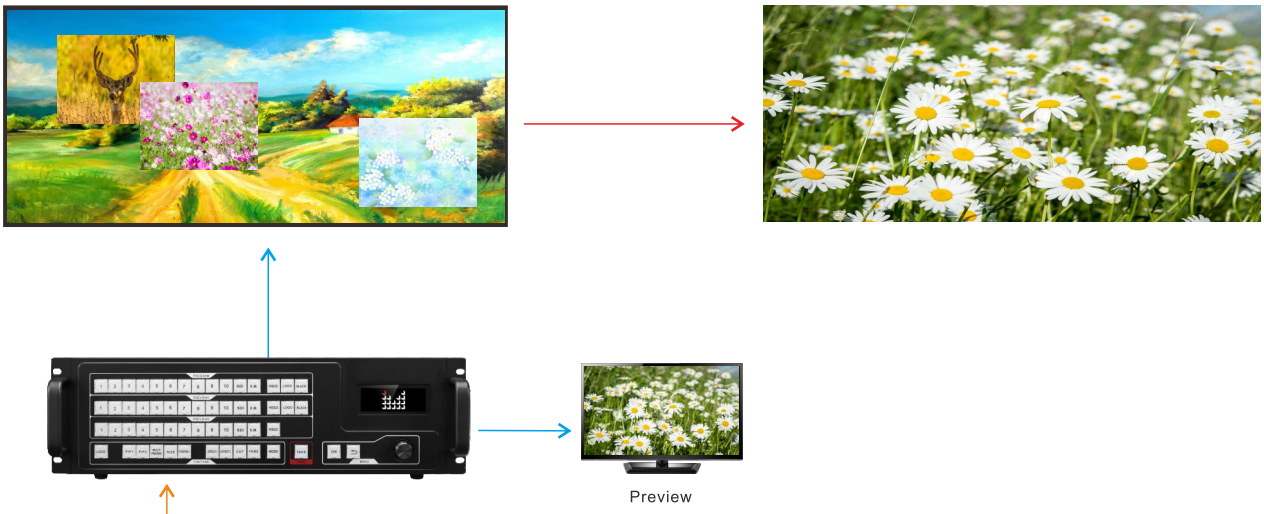
3 synchronous image output, and it can overlay a HD LOGO



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.

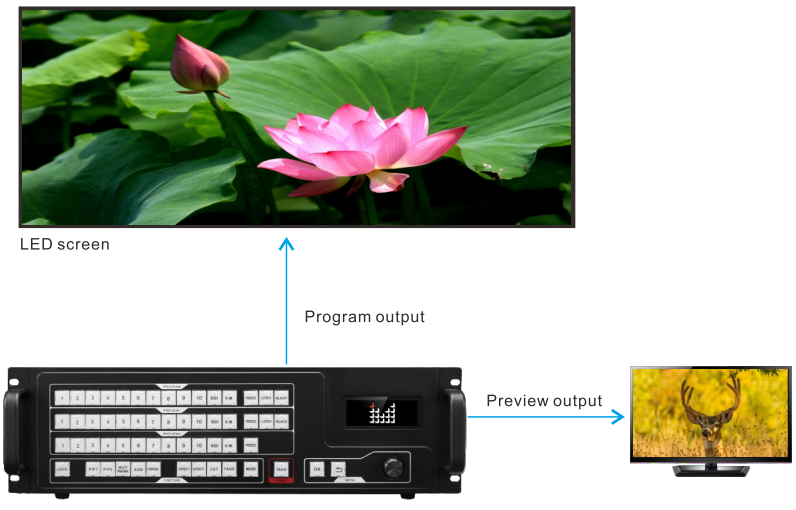
Template call



Template call

It is used to the save current parameter setting. General speaking, it has various setting value from one image effect to others, for instance, the 3 synchronous image and dual images. If we intend to switch them rapidly in these condition, we can save template of parameter setting for these two effects, and in the spot, we just add these templates and can finish switching by on button.

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 (theme background images) from computer, to make the meeting go well without any black screen.

Technical specifications

Input

Port	Quantity	Resolution specifition
AV	6	PAL、NTSC
VGA	6	VESA
DVI	4	VESA (Support 1080i 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 specifition
VGA	3	1024×768/60Hz 1280×1024/60Hz 1440×900/60Hz 1600×1200/60Hz 1600×1200/60Hz-Reduced 1680×1050/60Hz 1920×1080/60Hz/50Hz 1920×1200/60Hz
DVI	3	

Specification

Power supply	100～240V AC 50/60Hz
Power consumption	80W
Operation temperature	0～45℃
Product dimension (L x W x H)	482.0×402.0×133.4mm
N.W.	5.7kg

MIG-630C series products type

Host type	Name	Description
MIG-630C	Basic	Basic
MIG-630CS1	Extended external SDI input	Basic+SDI input
MIG-630CSD	Extended external SDI and DVI inputs	Basic+SDI and DVI input
MIG-630CS2	Extended external 2*SDI inputs	Basic+2 SDI inputs

Included Accessories

Provided accessories:

Instructions	×1
Power cable	×1
DVI cable	×1
Certificate	×1
VGA to 5-BNC cable	×1

SHENZHEN MAGNIMAGE TECHNOLOGY., LTD
Add : 8F, Bld. F5, TCL International E City, #1001 Zhongshan Park Road, Nanshan, Shenzhen, China
Tel : +86-755-8664 7651 Fax : +86-755-8664 7650