

MIG-630C series

Video Seamless Switcher



UNITECH
DigitalMedia

MIG-630C series Switcher

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. Far the normal PAL/NTSC video, the output image will be more clearly. While far 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 6xVGA/CVBS ,4xDVI, 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 cui, 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.

FEATURES

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



INPUT INDICATION		
PORTS	QUANTITY	RESOLUTION
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 lo SDI or DVI port

Note: *Extend Model

OUTPUT INDICATION		
PORTS	QUANTITY	RESOLUTION
VGA	3	1024•768/60Hz 1280x 1024/60Hz 1440•900/60Hz
DVI	3	1600•1200/60Hz 1600•1200/60Hz-Reduced 1680•1050/60Hz 1920•1080/60Hz/50Hz 1920•1200/60Hz

MIG-630C series PRODUCTS TYPE

HOST TYPE	TYPE	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

MACHINE SPECIFICATION

Power supply	100-240 AC 50/60Hz
Power consumption	80W
Operation temperature	0-45°C
Size	482x402x133.4mm
Weight	5.7Kg

OPERATING MODE

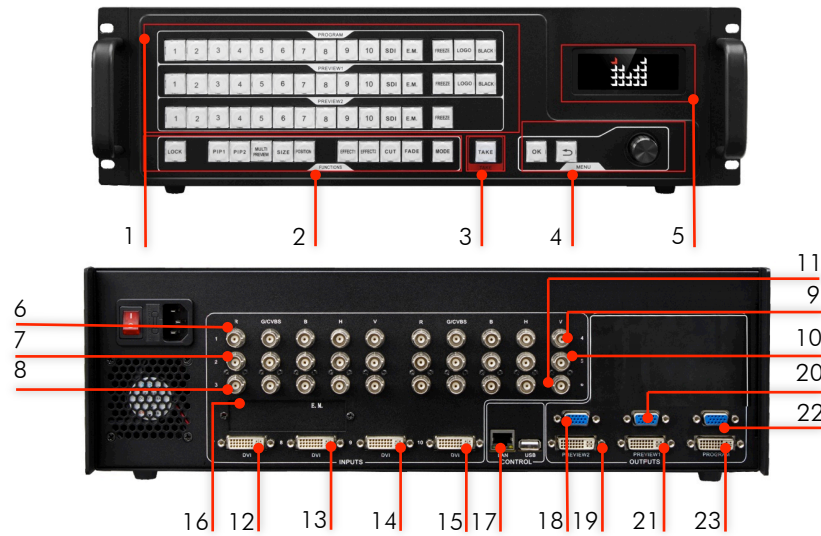
One operating mode: button control
 Button control: manual control the front panel lo achieve the diverse operation.



INCLUDING ACCESSORIES

Power Cable	1
VGA to 5-BNC cable	1
DVI Cable	1
Certificate	1
User Manual	1

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INTERFACE DESCRIPTION FRONT PANEL

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	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 be used to achieve switching function.
4	Operating key OK key, return key and knob can be used to browse, and set the menu function.
5	To display entire menu system when the user 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.

INTERFACE DESCRIPTION BACK PANEL

6	VGA 1 input	15	DVI 4 input
7	VGA 2 input	16	Extend input
8	VGA 3 input	17	LAN
9	VGA 4 input	18	VGA preview 2 output
10	VGA 5 input	19	DVI preview 2 output
11	VGA 6 input	20	VGA preview 1 output
12	DVI 1 input	21	DVI preview 1 output
13	DVI 2 input	22	VGA main output
14	DVI 3 input	23	DVI main output

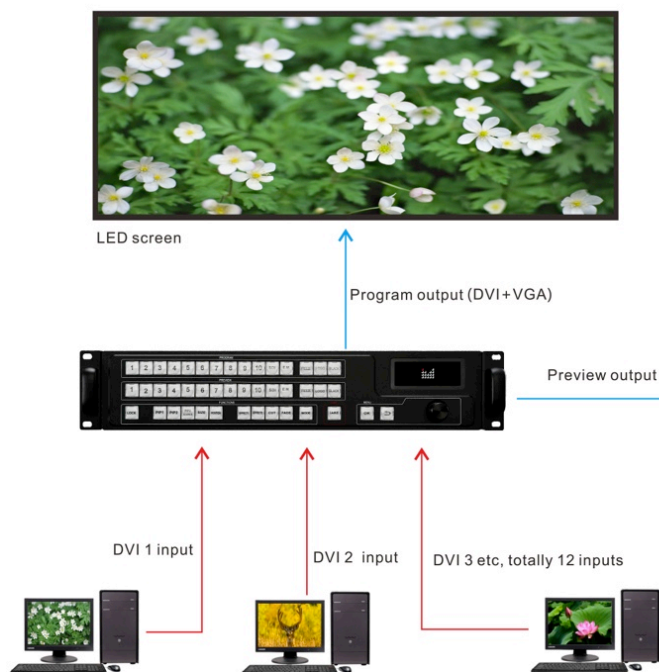
MIG-630C Switcher

SIZE: 18.97"x15.82"x5.25" (482x402x133.4mm)

WEIGHT: 12.56 lb (5.7 kg)

ORDER CODE: UNIPROMIG630C

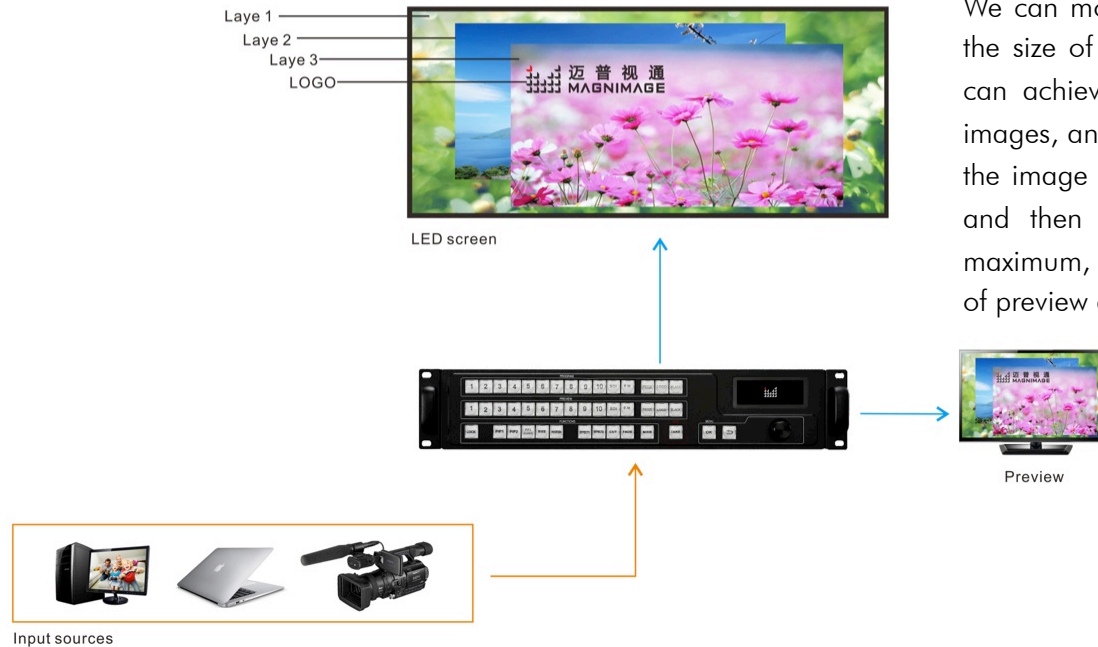
PREVIEW SWITCH



In the preview channel, select the signal. After the signal be showed on the preview stably, and use TAKE key lo switch the image in between the program output and preview output. It has 16 switch effects that short cui, 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.

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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



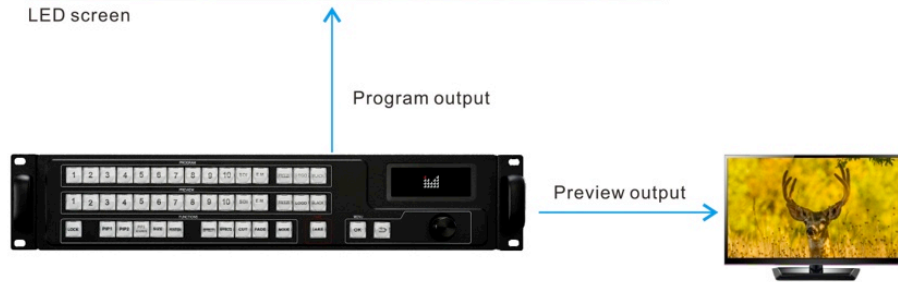
It is used to save current parameter setting. General speaking, it has various setting value from one image effect to others, for instance, the 3 synchronous image and dual images. If we intend to switch them rapidly in these condition, we can save template of parameter setting for these two effects,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

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HD LOGO



LED screen



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.