



V4 multi-scene seamless switcher

User manual

⚠ Before using this LED Video Seamless Switcher, please read this manual carefully and preserved for reference in the future.

MAGNIMAGE

V4 series

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Statements

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The product specifications and information mentioned in this manual is just for reference, will not give prior notice if there is any updated. Unless there is a special agreement, it is just used as guidelines. All the statements or information in this manual shall not constitute any form of guarantee.

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Briefs

Thanks for your purchasing our V4 multi-scene video switcher. Do hope you can enjoy the experience of the product performance. The design of the LED switcher conforms to international and industry standards. But if with improper operation, there will be a personal injury and property damage. In order to avoid the dangerous, please obey the relevant instructions when you install and operate the product.

Trademark credit

- VGA and XGA are the trademarks of IBM.
- VESA is a Video Electronics Standards Association's trademark.
- HDMI、HDMI LOGO and High-Definition Multimedia Interface are the trademarks of HDMI Licensing LLC. Even if not specified company or product trademarks, trademark has been fully recognized.

About software

- Do not change, decompile, disassemble, decrypt or reverse engineer the software installed in the product, these acts are illegal.

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Features

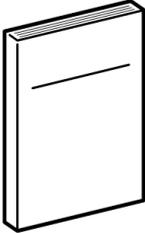
- 2 main splicing output , single machine support 3840 x1080
- Every single main output support 4 layers and 1 background
- Modify size and position of layers window randomly
- 1 multi-screen preview output , 1 auxiliary preview output
- multi-layers processing and realize 8 layers to 8 layers fade switching , numerous switch effects
- Built-in matrix and support 12 input(optional) , maximum expanding 20 input
- 30 presets and built-in 30 default templates
- Work template machine more quickly to save and restore function , make it convenient for your quickly switch under a variety of applications
- Support 3 HD background pictures and 1 pure color background
- Test overlay,let image composition and subtitle overlay easily
- Edge blending , used in projection splicing
- EDID management
- Input/output image real-time monitoring
- Support synchronization , more machine cascade splicing
- 60Hz real-time processing , all channel 24-bit RGB processing
- Support multiple operating control
- Double power supply redundancy backup
- Blade board design

Using directions

Included Accessories

MIG-V4 host accessories

Using manual

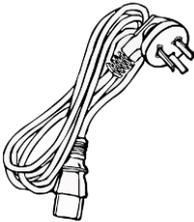


Certification

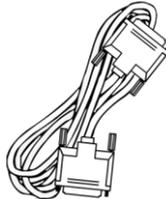


USB DISK

Power line×2



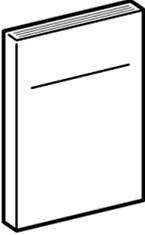
DVI line×2



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MIG-H1 accessories

Using manual

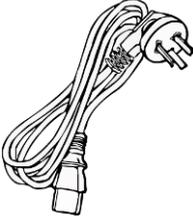


Certificate



Light×2
Flange edge×2
M4 screw×8

Power line



Cross cable



Safety Tips

- This product power supply input voltage range is from 110~240VAC, 50/60Hz, please use the correct power.
- Please make sure that all power cables are unplugged when connecting or disconnecting any signal lines or control lines.
- Make sure that all signal and power cables are unplugged when adding hardware to the products or removing the hardware devices in this product.
- Please turn off the power supply of V4 and H1, and release the static electricity from your body by touching a grounded surface before making any hardware operation.
- This product must be used in a clean, dry, ventilated environment. This product cannot be used in environments of high temperature and humidity.
- This product is electronic products which should be kept away from fire, water, inflammable and explosive dangerous goods.
- This product has high-voltage components. Please do not open the case or conduct any self-maintenance to this equipment.
- Immediately turn off the power of switcher, if there are any smoke, odor, or abnormal conditions occur, then contact your dealer.

Functions

Overview

MIG-V4 switcher is composed of MIG-V4 host and MIG-H1 console, single MIG-H1 can control up to 9 MIG-V4 hosts.

High-performance MIG-V4 host adopts advanced 12 bit algorithm, and it makes pictures more clear, delicate, colorful, ensures the output signal synchronization and reducibility as well. Single machine supports output capability up to 3840*1080 pixels, and it supports 1 multi-screen preview and 1 auxiliary preview. It can realize 8 layers to 8 layers fade switching, the built-in matrix supports 12 inputs, and can expand 20 inputs with full live preview of all input sources. When V4 works with H1, it can realize large LED video wall display, multi-scene and multi-layer switching, backup etc functions, and it is widely applied in auto show, conference, product launching, and stage show etc events.

MIG-V4 host adopts hardware architecture on basis of high speed and capable FPGA array, and digital bus matrix. For all kinds of input sources, V4 ensures original signal recovery by adopting RGB 24 bits/60Hz internal processors, ensures high quality image output without delay and supports seamless splicing for multi-screen outputs by using a built-in high-performance image scaling engine.

MIG-V4 supports various input sources, including DVI, VGA, HDMI, SDI and supports EDID management for input sources.

All series video wall switchers are designed with built-in standard associative modularity, which support online upgrade and internet remote control, making technical supports and after-sale maintenance convenient.

Rule of naming

MIG-V4 switcher is composed of MIG-V4 host and MIG-H1 console.

Console Type:MIG-H1

3 basic host,the type as follow

Host type	Input port type
MIG-V4-A	4VGA、 4DVI、 4SDI
MIG-V4-B	4DVI、 4DVI、 4SDI
MIG-V4-C	4HDMI、 4DVI、 4SDI
MIG-V4-D	4DVI、 2SDI、 2VGA、 4HDMI
MIG-V4-E	8DVI、 2SDI、 2VGA
MIG-V4-F	4DVI、 6VGA、 2SDI

Host can add input expanding board to add the type and quantity of input port.

Expanding input board type:

Expanding input board type	Description
MIG-V-DVI	4DVI input
MIG-V-VGA	4VGA input
MIG-V-HDMI	4HDMI input
MIG-V-SDI	4SDI input
MIG-V-SDIVGA	2SDI input、 2VGA input

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Technology specification

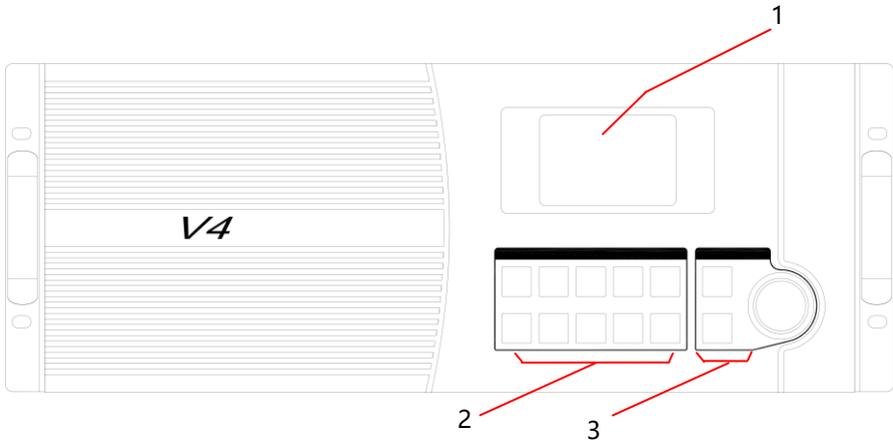
Input signal spec		
Ports	No.	Spec
VGA	4	VESA
DVI	4	VESA
HDMI	4	EIA/CEA-861 , HDMI-1.3
SDI	4	480i、 576i、 720p、 1080i/p (3G SDI)
SDI VGA	2SDI input、 2VGA input	

Output signal spec		
Ports	No.	Resolution
DVI (main output)	2×2	1920×1080/60Hz
DVI (Multi-preview)	1×2	1920×1080/60Hz
DVI(Auxiliary-Monitor)	1×2	1920×1080/60Hz
Notes:2×2 represent 2 group of DVI,each group has 2 DVI ,which are copy effect.		

Electrical spec	
Power supply	100 ~ 240VAC , 50/60Hz
Operation temperature	0~45°C
Operation humidity	10% -90%

MIG-V4 front panel introduction

Front panel introduction

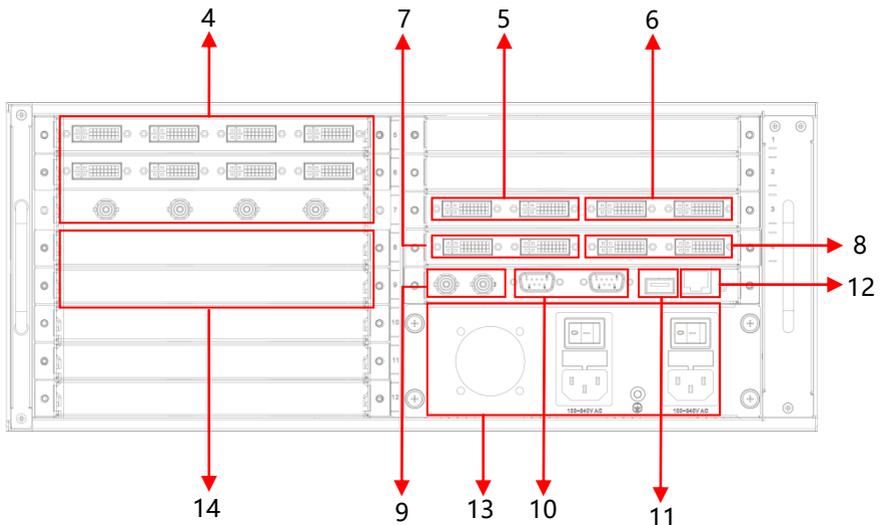


1- Display screen:display current work state,input information,electrical state etc.

2- Function buttons:realize appointed functions in special menu

3- Menu buttons:browse and set menu,including confirm,back and shortcut knob.

Rear panel introduction



- 4- Standard Inputs Area: 12-channel inputs
- 5- Program 1: main output screen 1 port
- 6- Program 2: main output screen 2 port
- 7- Multi-screen preview : program output、 preview output、 input signals real-time monitoring
- 8- Auxiliary preview: Full screen monitor any input signal
- 9-Multiple MIG-V4 host cascade splicing,frame lock plugs
- 10- RS232 control plug
- 11- USB plug: for upgrading
- 12- LAN: Connect to H1 via Ethernet cable
- 13-Dual power and Replaceable fan module
- 14- Expanded inputs: maximum 2 input slots

MIG-V4 card introduction

VGA input card	
Signal format	VESA
Ports	15 pin D-sub/mother ports
Ports Qty.	4/input card

DVI input card	
Signal format	VESA
Ports	24+5pin/mother ports
Ports Qty.	4/input card

HDMI input card	
Signal format	EIA/CEA-861 HDMI-1.3
Ports	HDMI Type A
Ports Qty.	4/input card

....

SDI input card	
Signal format	480i、576i、720p、1080i/p (3G SDI)
Ports	SDI/mother ports
Ports Qty.	4/input card

SDI/VGA 输入卡	
信号规格	2SDI , 2VGA

DVI output card	
Signal format	1920×1080/60HZ
Ports	24+5pin/mother ports
Ports Qty.	4/input card (each 2 are coping effect)

Control card	
Signal format	Support sync signal , RS-232 and internet control port , USB

MIG-V4 host using menu

Using the menu of products is convenient to set, which meet user requirements, MIG-V4 host adopt a high brightness & contrast LCD screen to display the entire menu system. When the user does not have operation or operation timeout, the LCD screen will show the default state. If use the machine front button to set the machine, the LCD screen show the corresponding menu according to user operation, in order to prompt the user to operate better, faster and more intuitive .

The following introduce MIG-V4 host menu system detailed according to the keyboard and LCD screen display.

How to use the keys

The front panel keys of MIG-V4 are divided into two areas: MENU, FUNCTION.,

MENU AREA

This area contain 2 buttons and 1 knob, a confirmation key (OK), a return key (↩) and a knob.

In the default state, press "OK" to enter the main menu, rotating knob to choose menu title, then press OK to enter the item to set, rotating knob to choose and modify. After adjusting, press ↩ to return to previous menu until the default interface. If no operation after adjusting, menu will return to default interface automatically within a few minute.

FUNCTION AREA

This area contain 10 buttons: 1、 2、 3、 4、 5、 6、 7、 8、 9、 10.

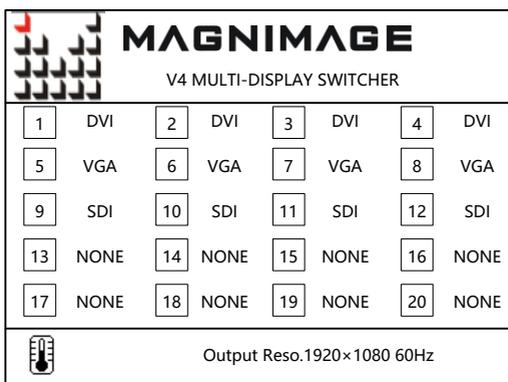
Only operate in special menu state, for example, when setting IP address, you can press number buttons to input directly.

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Default state introduction

After turning on the power of MIG-V4, the front panel screen display turn-on interface in the process of system start-up, after it, the screen display current state, as showed below:

Default state interface after turn-on :



Input info	With the machine corresponding to the type of input slot, the number turns green when there is a signal.
	Real-time control operation temperature, red represents warning
Output Resolution	The resolution of every DVI output port :1920×1080 60HZ

MIG-V4 main menu

In the non-menu state,press OK button then enter the main menu state,the LCD screen will display as follow:

Menu
Status Info EDID Manage Misc Communication 语言菜单/Language

Menu
Input Config About Magnimage

The main menu has 7 sub-menu items,divided into 2 pages display.Rotating" knob" to select the above listed 7 sun-menu title,afterselected,press" OK" button to enter the selected item,press "  " to be back.

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State information of sub-menu

Status Info
Input Information Firmware Version Temperature & Fans Electric Report

Input Information			
1	DVI	2	DVI
3	DVI	4	DVI
5	VGA	6	VGA
7	VGA	8	VGA
9	SDI	10	SDI
11	SDI	12	SDI
13	NONE	14	NONE
15	NONE	16	NONE
17	NONE	18	NONE
19	NONE	20	NONE
Reconfig Input List			

Input information Display the slot state of every input slot,ifalteration,you should read setting then set in this menu

Firmware Version			
1	A1529-F54D3	9	A1529-FOAC5-FOAC5
2	A1529-F34C9	10	A1529-FOAC5-FOAC5
3	A1515-F2511	11	A1529-FOBD1-FOBD1
4		12	A1529-FAAC5-F05CA
5			V3-V005-201301
6			
7			
8			

Electric report			
1	V OK A OK 0000	9	V OK A OK 0000
2	V OK A OK 0000	10	V OK A OK 0000
3	V OK A OK 0000	11	V OK A OK 0000
4	None	12	V OK A OK 0000
5	None		
6	None		
7	None		
8	None		

Details

Firmware version	Display firmware information of every slot
Temperature&Fans	Display the state of operation and the temperature of every slot
Electrical Report	V4 host real-time monitor the current and voltage of every slot

The sub-menu of EDID management

EDID Management			
1	:	1-DVI A	1280x1024 60Hz
2	:	1-DVI B	1280x1024 60Hz
3	:	1-DVI C	1280x1024 60Hz
4	:	1-DVI D	1280x1024 60Hz
5	:	2-VGA A	1920x1080 60Hz
6	:	2-VGA B	1920x1080 60Hz
7	:	2-VGA C	1920x1080 60Hz
8	:	2-VGA D	1920x1080 60Hz
		<input type="button" value="OK"/>	Config EDID

EDID Setting	1: 1-DVI A	
H	1280	◀▶
V	1024	◀▶
Field Freq	60	◀▶
Apply Setting		▶
Restore		▶

H	Set the horizontal width of input resolution
V	Set the vertical height of input resolution
Field Freq	Set the fresh frequency of input resolution
Apply Setting	Confirm and apply the resolution
Restore	Restore default EDID

Misc sun-menu

Misc	
Auto Load Background	off
LCD Test Pattern	▷
Factory Reset	▷

Auto Load Background	Set power on,if MIG-V4 host load background automatically
LCD Test Pattern	Test the LCD screen of V4 host
Factory Reset	Reset factory default setting

If user turn on "Auto Load Background ",MIG-V4 will load stored background when power on every time, boot time get longer,after waiting for completion of loading,then continuing other operations.

When user turn off "Auto Load Background ",boot time get shorter.If you need to use background at this time, you can load entire background through background setting menu in MIG-H1.The default "Auto Load Background " is off.

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Sub-menu of communication setting

Communication	
IP Address	192.168.1.223
Subnet Mask	255.255.255.0
Apply Setting	▷
Cancel	▷
Reset	▷

	IP address	Default state:192.168.1.223
	Subnet mask	Default state:255.255.255.0
Communication	Apply setting	Before applying,modify internet parameter,after confirming then back to previous menu
	Cancel	Cancel the change of IP and subnet mask then back to previous state
	Reset	Reset internet setting to default

Language/菜单语言

菜单语言/Language	
English	▷
简体中文	▷
繁體中文	▷

English	Set the menu system language to English
简体中文	Set the menu system language to simply Chinese
繁體中文	Set the menu system language to Chinese

...

Input ports setting sub-menu

Input ports setting				
INPUT 1	DVI A	DVI A	DVI A	DVI A
INPUT 2	VGA A	VGA A	VGA A	VGA A
INPUT 3	HDMI A	HDMI A	HDMI A	HDMI A
INPUT 4				
INPUT 5				
INPUT 6				
INPUT 7				
INPUT 8				

Input ports setting				
INPUT 1	DVI A	DVI A	DVI A	DVI A
INF	INPUT1-DVIA			
INF	Brightness		128	◀▶
INF	Contrast		128	◀▶
INF	EDID M			▶
INF				
INF				
INF				
INPUT 8				

Brightness	Range :0-256
Contrast	Range :0-256
EDID management	Customize input resolution

About Magnimage

About Magnimage



<http://www.magnimage.com/cn/>

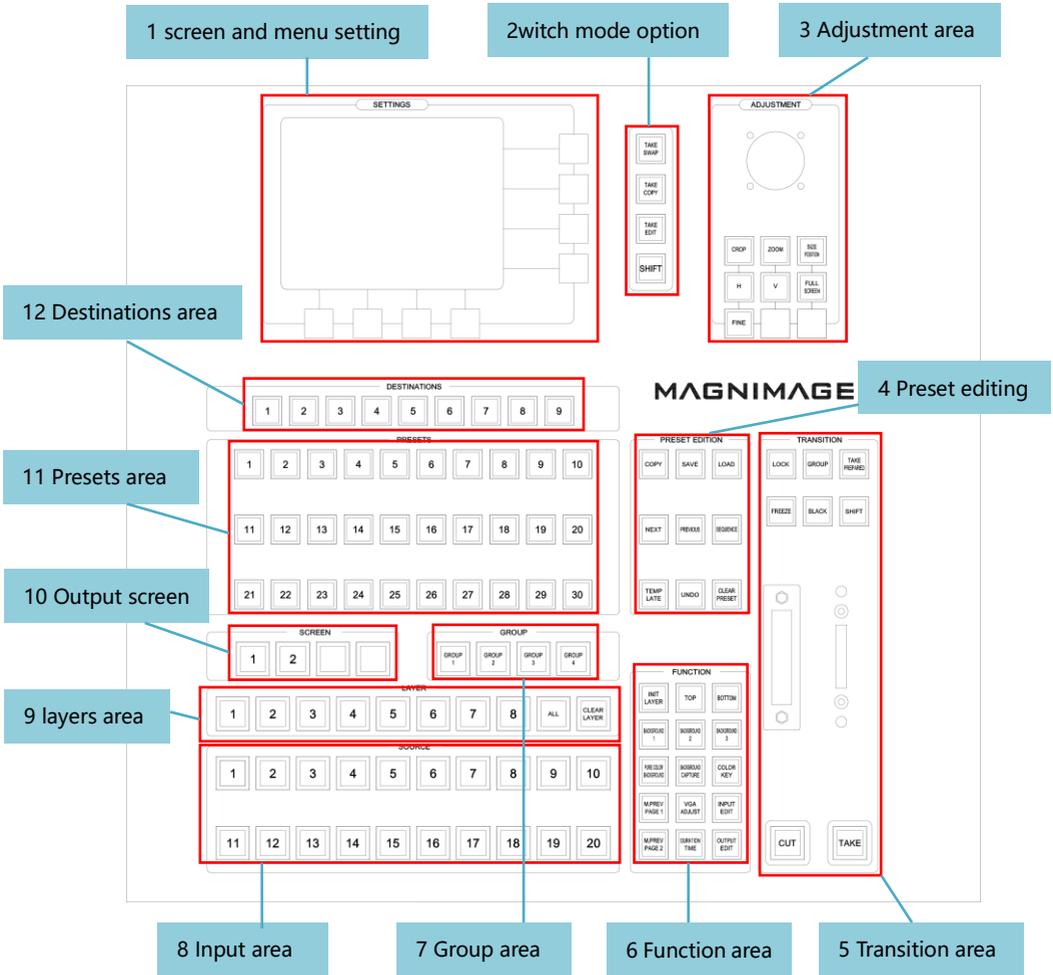
Website	http://www.magnimage.com/cn/
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Wechat (Chinese)	ID:Magnimage
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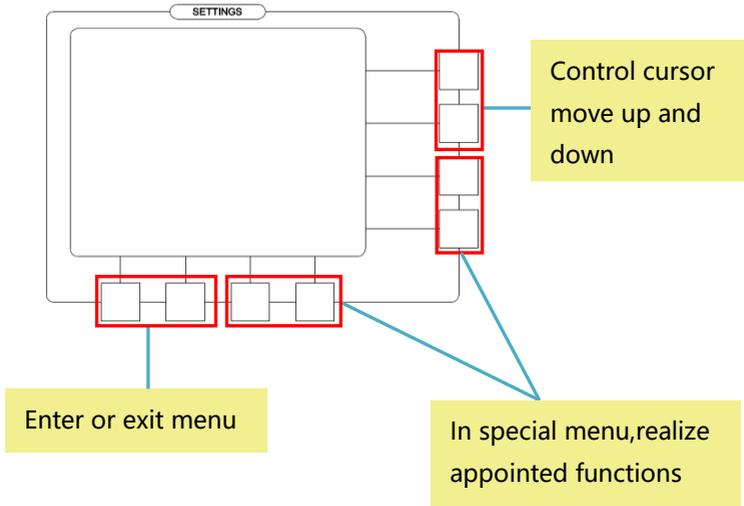
Wechat (English)	ID : Magnimage-ENG
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MIG-H1 front&rear panel introduction

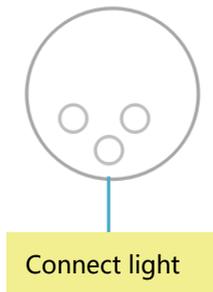
Front panel introduction



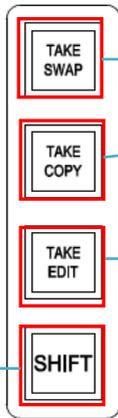
1 Display screen and menu setting



The port of light



2 Switch mode option area



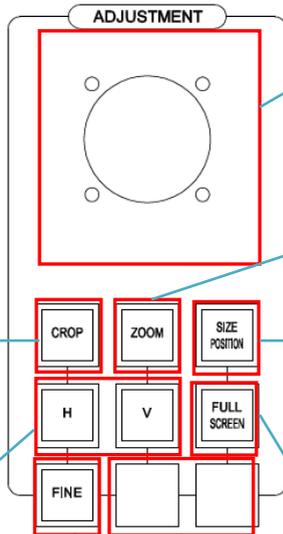
Switch between main output and preview

Copy between main output and preview

The same between main output and preview,if modify preview,main output will change

Above switch modes are combined button , SHIFT+corresponding

3 Adjustment area



Joystick :up, down, left, right and rotate,can control cursor move up and down and enter or exit menu,in special menu,modify size and position of layers

Zoom the image of layer through H and V button

After pressed ,use joystick to modify the position of the layers ; verify size of layers through H and V button

Image crop : use it through H , V button and joystick , crop the part of input signal

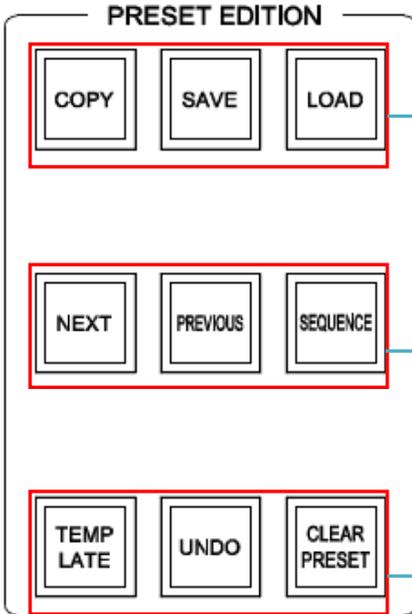
Set full screen

Horizontal and vertical

Fine,modify accurate

Prepare buttons

4Preset editing area



Copy+number key in preset area , copy preset , for example choose preset 1 , then press Copy , press Copy +2, and 1 preset be copied to preset 2 ;

Long press Save+number key in preset area , store the preset to number key

Load key+number key in preset area , call the template user stored

After setting schedule duty in menu:

Press Next :next preset

Previous:last preset

Sequence:restart duty

Template+number key in preset area : call default template

Undo:back to last preset

Clear preset+number key in preset area : clear current preset

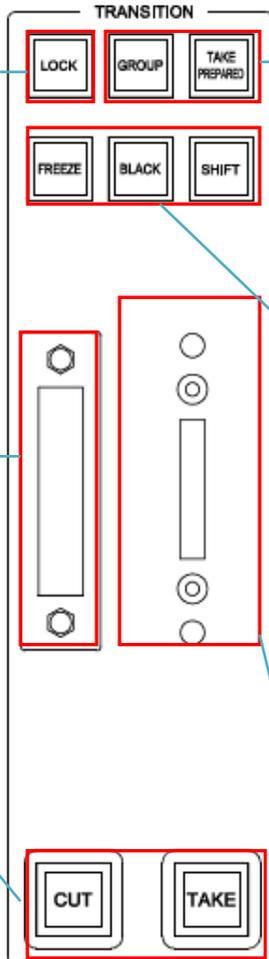
5 Transition area

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Lighted , lock all buttons in transition area and T-Bar,press again,

LED light , the procedure of switching

Cut
Take:fade in fade out

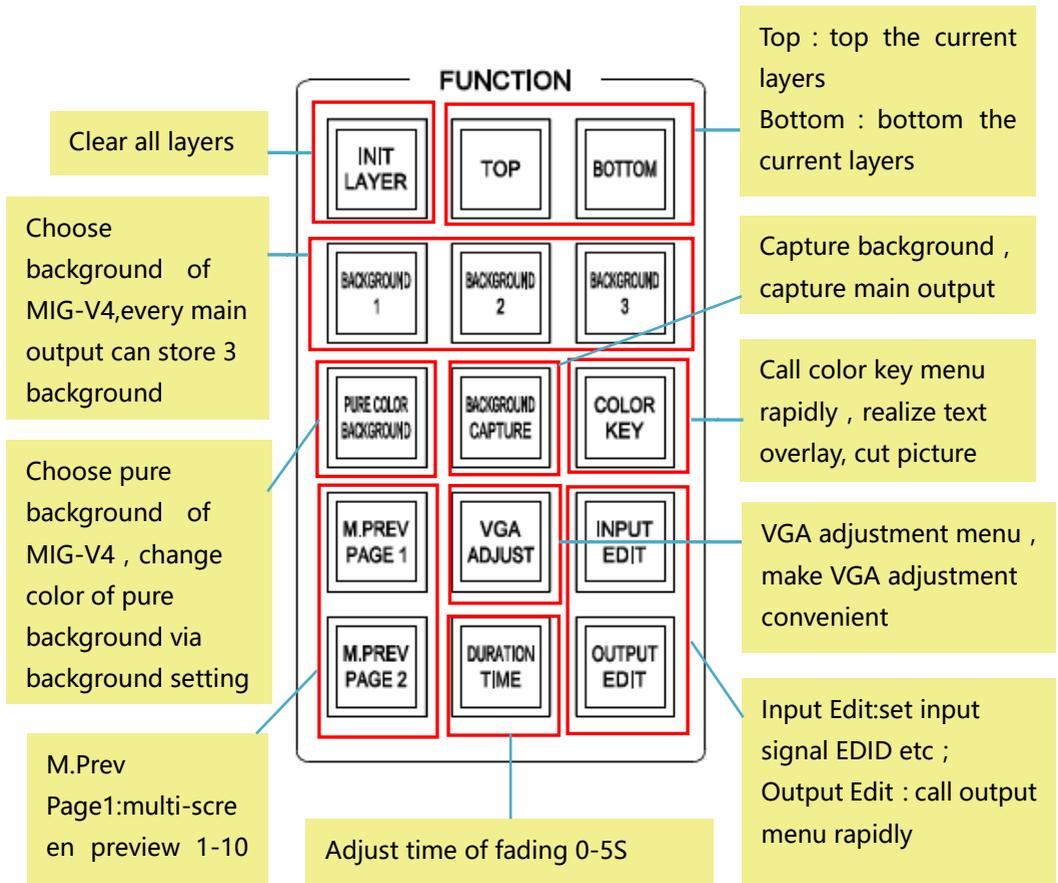


Devided the units of MIG-V4 into group and lighted group key, every MIG-V4 of group switch together Take prepared: the key light on means switch operation available, only in the "lock" state, TAKE PREPARED key light off, switch operation is unavailable

Shift+Black key : the main output screen turn to black
Shift+Freeze key : freeze main output screen , stay at the picture of one frame. Repet press the combinatorial keys , get reverse operation.

T-Bar : manual control the speed of switch

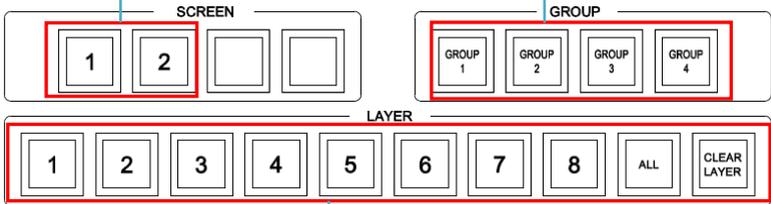
6 Function area



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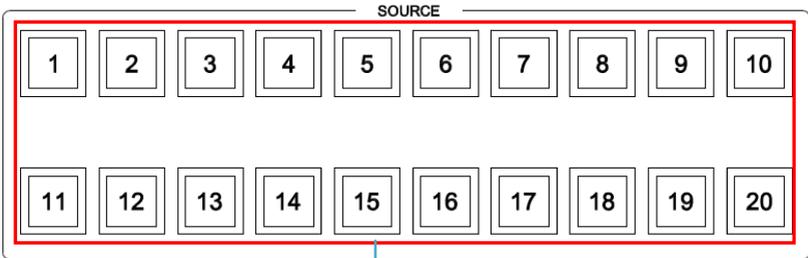
10Output screen area
1,2 correspond main output 1 and 2

7Group area
Group MIG-V4 that control ba same H1 , maximum 4 groups ; current option group light flicker



9layers area

The button of 1 to8 correspond 8 layers , Clear layer+number button : clear current layer ; Clear+All : clear all layers
When using, the layer light turn red , current option layer light is flickering from yellow to red

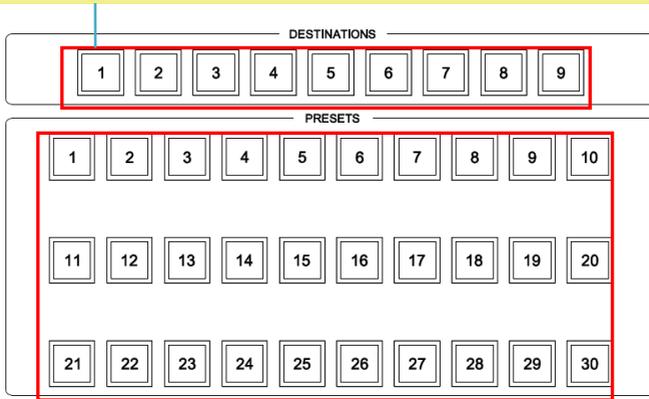


8Input area

The number keys correspond 1 to 20 input of MIG-V4; can change the input resource selected currently; signal input source that selected currently will full display on auxiliary preview ; the key with signal is green, the key with no signal is red, the green light means signal source that selected currently; it can switch the input to auxiliary preview by long pressing number key for 3 seconds.

12Destinations area

According to the IP scanning from the MIG - V4 , determine each key to corresponding MIG - V4; each MIG-H1 maximum controls 9 MIG-V4 at the same time,the corresponding button lamp to red. The currently selected MIG - V4 button is red-yellow flashing.

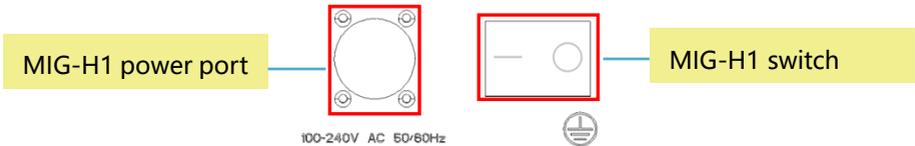
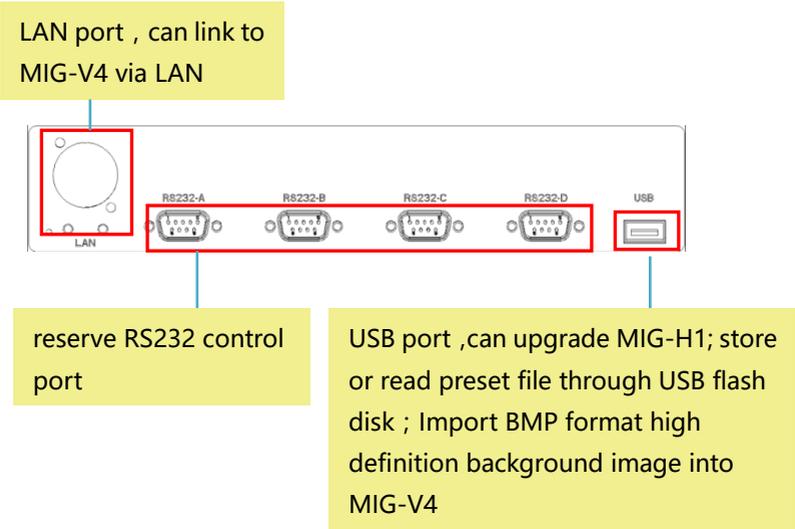


11Presets

Each key corresponds to an active template. The user can also make a preset for storage; it needs to cooperate with the key in the preset edit zone to operate; the bottom that stores the preset is green, the bottom that is currently used is green-yellow flashing, the bottom that has no preset is lightless.

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MIG-H1 Back Panel Introduction



MIG-H1 Console Usage Menu

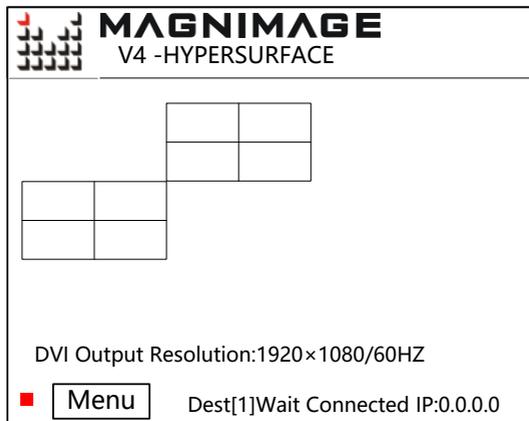
Using the menu system of product can set conveniently and intuitively to meet customer requirements. MIG-H1 console adopts a LCD with high-brightness and high-contrast to display the whole menu. LCD screen will display non-menu under the condition of users without operating or timeout. If use front panel button to set the machine, the LCD screen will display the corresponding menu according to user's operation , in order to prompt user to operate better faster and more intuitive.

The following will combine keyboard with LCD screen display and introduce you MIG - H1 menu system in detail.

Default State Introduction

After opening the power of the MIG-H1, and during the system' s startup, the boot interface will be displayed on the front panel LCD screen. After the start up, the screen will show the current state of the machine as shown below:

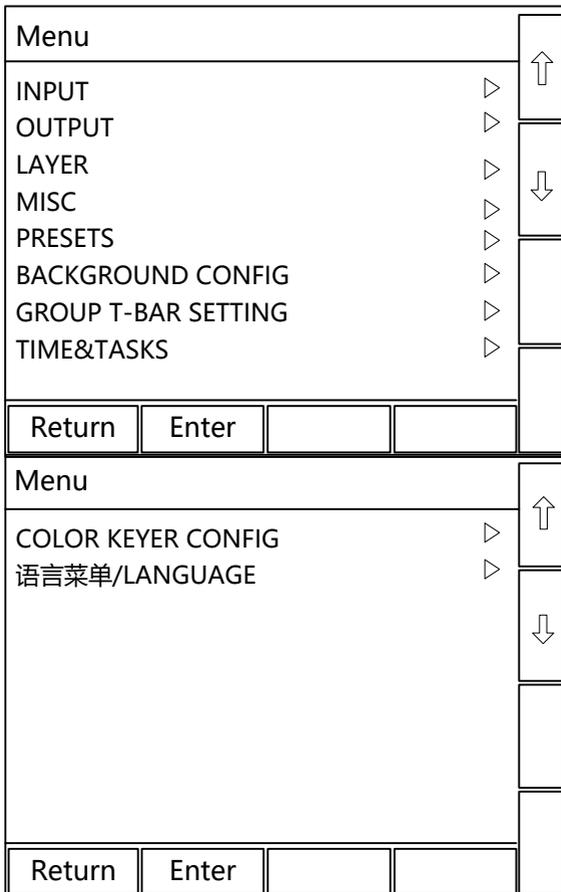
Default state interface after the boot



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	Green flashing when MIG-H1 console connected with MIG-V4 mainframe, otherwise red flashing
Dest[1]	Corresponding IP will be displayed when MIG-H1 console connected with MIG-V4 mainframe , otherwise display 'Wait Connected'

MIG-H1 Main Menu Introduction



The image displays two screenshots of the MIG-H1 main menu interface. Each screenshot shows a list of menu items with a navigation bar at the bottom.

Top Screenshot:

- Menu
- INPUT
- OUTPUT
- LAYER
- MISC
- PRESETS
- BACKGROUND CONFIG
- GROUP T-BAR SETTING
- TIME&TASKS

Navigation bar: Return, Enter, [], [], [Up Arrow], [Down Arrow]

Bottom Screenshot:

- Menu
- COLOR KEYS CONFIG
- 语言菜单/LANGUAGE

Navigation bar: Return, Enter, [], [], [Up Arrow], [Down Arrow]

The main menu has ten sub menu items, divided into two pages display. Through prompting, select button of the display perimeter to enter or return to menu and the cursor moves up and down.

InputSetting Sub Menu

INPUT		SRC.1[NONE]		 
Brightness	0			
Contrast	0			
Image Crop		▷		
EDID		▷		
VGA Adjustment		▷		
Return	Enter			

EDID		SRC.1[NONE]		
Width	1280	◁▷		
Height	1024	◁▷		
Refresh Rate	60	◁▷		
Return	SET		RESET	

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Brightness	The range of 0-256
Contrast	The range of 0-256
Image crop	After intercepting input signal, according to the current layer set the function of the output to the screen
EDID	Customized input resolution
VGA adjustment	Automatically adjusts the display position of the VGA input image

Output Setting Sub Menu

OUTPUT				
Brightness	0			↑
Contrast	0			
Output Areaa Config	▷			↓
Edge Blending Cfg.	▷			
Return			RESET	

Output Area Config				
				ON
PRESER(1-10)USED FOR NUMBER KEY(1-10)				OFF
Screen Select	1	On		
H Positon	0	V Position	0	
H Size	1920	V Size	1080	
Return	SET		RESET	

Brightness	The range of 0-256
Contrast	The range of 0-256
Output area settings	Canset respectively twogroups main output channel switched on or off, the horizontal and vertical position, can overlay.

Edge Blending Cfg.				
Edge Blending Cfg.			OFF	
Screen1 Blending Setting			▷	
Screen1 Blending Setting			▷	
Return			RESET	

Screen1 Blending Setting				
Horizontal size1 (Area1/Area2)			ON	
Horizontal Height			1664	
Horizontal Width			256	
Gamma Choice			1.2	
The Choice Of Fusion				
Direction			From Left To Right	
Customized Curve				
H Area1	H Area2	V Area1	V Area2	

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Edge blending Settings:

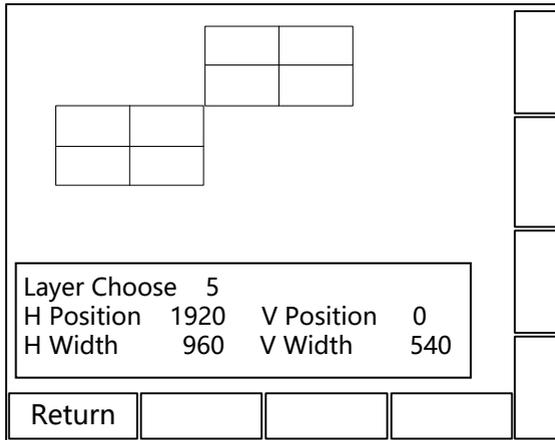
Each main output channel can open edge blending function according to user' s actual usage, set the horizontal/vertical starting of fusion and the horizontal size/vertical height of fusion.

Gamma choice: adjust Gamma curve of fusion zone

The choice of fusion direction is: the direction from dark to light (the direction of transparency gradient from 0to 100%)

Customized curve: user-defined Gamma curve

Layer Sub Menu



Cooperate with joystick and buttons of MIG - H1, it can change size and location on the currently selected layer.

Misc Sub Menu

Misc SET				↑
Communication	▷			
Tbar And Jointed Arm Set	▷			
USB Operate	▷			↓
Factory Reset	▷			
Return	Enter			

Communication				↑
Located IP Set	▷			
Destinations Connected Information	▷			↓
Return	Enter			

Set IP ; inquire destinations connection information

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Tbar And Joined Arm Set				↑
Tbar Set	▷			↓
Joined Arm Set	▷			
Return	Enter			

Factory Reset				↑
Reset V2/3/4	▷			↓
Reset H1/H2	▷			
Return	Enter			

Tbar& joystick setting	Adjust respectively Tbar and joystick
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U disk	Import BMP format high definition background image into MIG-V4 mainframe from U disk; import preset file stored in U disk into console;
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Factory reset	Can choose to reset console or mainframe, after resetting, corresponding facility need to restart
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Preset Sub Menu

Preset				↑
Presets U-Disk Operation	▷			
Clear All Presets	▷			
				↓
Return	Enter			

Presets U-Disk Operation				↑
Save All Presets	▷			
Read All Presets	▷			
Preset U-Disk Operation	▷			↓
Return	Enter			

Preset U-disk operation choose to save the presets that user' s stored to the U disk Load the preset file that in U disk into H1 console; Import BMP format high definition background image into MIG-V4 mainframe from U disk; import preset film stored in U disk into console;

Clear all presets clear all the presets

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Background setting sub menu

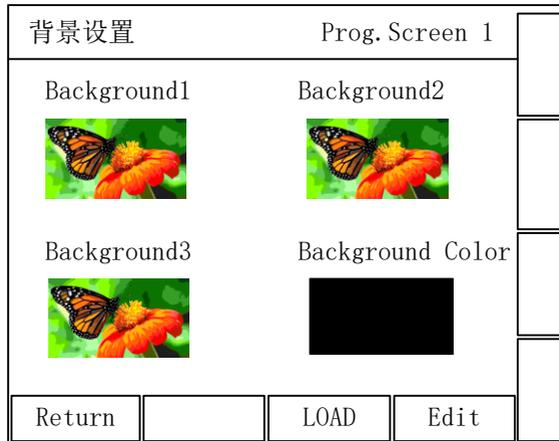
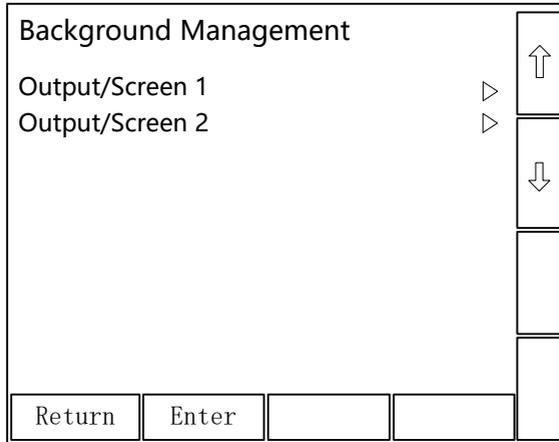
Background Config				↑
Load All Background	▷			
Switch All To Background Color	▷			
Background Management	▷			↓
Background Capture	▷			
Return	Enter			

Background Capture				
Save Captured Background In :				
Background1				
Background2				
Background3				
Capture Picture In Program Screen !				
Return		Start		

Load all backgroundload all background image stored in native machine,
it will prompt completion when progress bar is 100%

Switch all to background colortwo groups of main output both switch to
pure color background

Background capture : capture the image of main output, can stored 3 pictures.
It will prompt completion when progress bar is 100%



Load all backgroundload all background image stored in native machine,
it will prompt completion when progress bar is 100%

Switch all to background color two groups of main output both switch to
pure color background

Background management : can manage respectively the background image of
output 1 and 2;" LOAD" invoke stored
background image and pure color background

Background capture : capture the image of main output, can stored 3 pictures.
It will prompt completion when progress bar is 100%

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GROUP T-BAR Sub Menu

GROUP T-BAR Setting			
LOCAL IP:192.168.1.110			
Dest.[1]IP:192.168.1.233			
Dest.[2]Not Connected			
Dest.[3]Not Connected			
Dest.[4]Not Connected			
Dest.[5]Not Connected			
Dest.[6]Not Connected			
Dest.[7]Not Connected			
Dest.[8]Not Connected			
Return	Enter	Add To Group	Del From Group

It can group MIG-V4 mainframe controlled by the same MIG-H1. It can add or delete grouping selected MIG-V4, but can be divided into four groups at most.

Shortcut: long press group 1, and then press destination key 1,2,3 in turn, so it makes three V4 mainframes within the same group.

Time Task Sub Menu

TIME&TASKS			
Time			▷
Task			▷
Clear All Tasks			▷
Return	Enter		

Task Set	Page1/16	New	
Take[1]None		Edit	
Take[2]None			
Take[3]None		Del.	
Take[4]None			
Take[5]None		Run	
Take[6]None			
Take[7]None			
Take[8]None			
Return	Rank	Page Up	Page Down

Date Set time and date

Tasks Users can sort storage of the preset and directly press
 "NEXT" to next preset task; "PREVIOUS" to last preset
 task; "SEQUENCE" to restart

Clear all tasks Edited task setting will be cleared totally

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Color key Sub Menu

Color Keyer		
Pixel H Position	3030	
Pixel H Position	640	
Color Key	OFF	
Red Range	0 0	
Green Range	0 0	
Blue Range	0 0	
Color Keyer Useful On the Top Displayed Layer !		
Return	Recall Pos.	ON OFF

Using a joystick choose the color of the need to remove by controlling cursor up and down and move around and then press "ON " to open color key function.

Language Sub Menu

菜单语言/LANGUAGE				
English			▷	
中文简体			▷	
中文繁体			▷	
Return	Enter			

English	The Menu will display in English
简体中文	The Menu will display in simplified Chinese
繁体中文	The Menu will display in traditional Chinese

Warning

1. MIG-V4 is not related to the function of operation on its display interface, while it can browse input information, electrical state and communication, etc.
2. Single MIG-V4 must use a crossover cable when it connected with MIG-H1 via LAN; if many MIG-V4 connected with MIG-H1 using switches, there is no requirement for the order of cable.
3. Single MIG-V4 supports two 1080p outputs. It can accomplish single machine splicing. Multiple machines can obtain whole picture through combining splicing which are completely synchronized.
4. MIG-H1 input crop operation will take effect on all layer using the signal.
5. Background capture steps: press "background capture" key in functional zone of MIG-H1, choose storage location according to menu screen and then begin to capture. It will prompt "OK" when progress bars shows 100%. Next, choose "load all background" in background setting menu, after loading, we can select output screen 1 or 2 and choose the corresponding background using "background 1-3" key in functional zone. Capture background are main output images. Please note that do not perform other operations in the process of grasping and loading. We must affirm every step finished before next step. Please select "load all background" again after outage and restart of MIG-V4.
6. It needs to lighten group key to save and load the preset of group. The switch of group needs to be done with T-Bar.

Warranty Explanation

Whole Unit Warranty Period

- Three years (from the buying date);
- If the invoice is lost, the 60 days after the production date will be the warranty start date for the product.

The warranty provisions

- Immersion in water, collision, blots and scratch on surface after use, or other failures and damages caused by abnormal use ;
- Disassembling and retrofit unauthorized by our company;
- Failures and damages caused by abnormal working environment (like over heated temperature, low or unsteady voltage);
- Failures and damages caused by irresistible reasons (like fire hazard and earthquake) or natural hazards (like lightning stroke) ;
- Beyond warranty period.