

X2 Quick Start



- Support power module pluggable technology and power 1+1 redundancy function
- Auto input formats detect and conversion
- Support EDID edit for inputs and read EDID for outputs
- Replaceable input and output optional modules
- Support genlock and reference input
- Support resolution real-time total adaptation
- Support output layers 90°, 180° and 270° rotate
- Support color uniformity compensation technology
- Support isolated storage and frame rate conversion
- Support preview all output images
- Support dual pictures operation and DSK
- Support input signals hot backup function
- Used-defined resolution adjustments
- Multiple cascade synchronization split

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Product Introduction

X2 is a multiple outputs video processor, it offers nine card cages that accepts a wide variety of video signals, including VGA, CVBS, S-HDMI, SDI, HDMI, H.264, 4K and USB (for media files play). It combines truly seamless, fade in fade out, glitch-free switching with advanced scaling technologies to meet the requirements of high quality, high resolution video presentations.

X2 supports EDID editing for VGA, HDMI input ports and read EDID for output ports, the EDID can be modified by windows control program, users can edit the EDID of input port according to the resolution of outputs to achieve the optimal input resolution.

X2 also supports resolution real-time total adaptation, color uniformity compensation technology and 90°, 180° and 270° rotate. In addition, it supports local front panel operation, remote widows based software control by Ethernet, and WIFI control. In addition, X2 is based on replaceable input optional modules structure, with different modules, you can reach more possibility and application range.

System Connection

We offer solutions to demanding technical problems. Any application questions, or required further information, please contact with our customer Support Engineers.



X2 System Connection Diagram

Packing Configuration



Note: AC Power Cable supplied as standard according to destination market.

Hardware Orientation

Front Panel

\bigcirc				MENU	POWER	0	
\bigcirc		VENUS			RGBlink	0	0

Button Instruction										
MENU	Menu and back button		OLED Panel Show operation menu							
			items							
POWER	Power button		Knob-Confirm and adjust OLED menus							
f	USB interface Used for device									
	upgrade									

Back Panel



Chassis	Chassis Module Structure									
1	4 input module slots, support S-HDMI, SDI, VGA, CVBS, USB, HDMI, H.264 and 4K optional module	4	Genlock interface, including 1 BNC connector and 1 HDMI-A connector							
2	4 program output module slots, support HDMI and SDI optional module	5	Control interface							
3	1 preview output card slot, including H.264 output and 1 HDMI output	6	Power module							

Software Operation

Software Installation

Environment Requirements:

Processor: 1 GHz or above 32 bit or 64 bit processor

Memory: 2 GB or more

Graphics: Support DirectX 9 128M or above (open AERO effect)

Hard disk space: Above 16G (primary partitions, NTFS format)

Monitor: Resolution must be 1280 x720 pixel or above (it can not display normally if the resolution is lower than 1280 x720)

Operating system: Windows 7 or above (full version, not Ghost version or compact version)



Double click _______ icon, it will pop-up the installer language box, select the language, for example, select

"English", and click "OK" to confirm.



Click "Next" to install:



Select "Browse..." to select the XPOSE software install location:

hoose Install Location			0
Choose the folder in which to install X	POSE 1.2.6.0.		U.
Setup will install XPOSE 1.2.6.0 in the Browse and select another folder. Cli	following folder. To ir ck Install to start the i	stall in a diffenstallation.	erent folder, dick
Destination Folder			
Destination Folder C:\Program Files (x86)\XPOSE\			Browse
Destination Folder C:\Program Files (x86)\\POSE\ Space required: 251.4MB			Browse
Destination Folder C: Program Files (x86)\/POSE\ Space required: 251.4MB Space available: 42.2GB			Browse

Note

User should get the rights in "Roles Management" when install the software to disk C if the system is Windows 7 or above.

Click "Install":

stalling lease wait while XPOSE 1.2.6.0	is being installed.	()
	1000 - 1000 - 1000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 -	
kipped: libmux_asf_plugin.dll		
Clippod, libuad stap, physic dll		
Skipped: libvod_rtsp_piugin.uli Skipped: libvol_plugin.dl		·
Output folder: C:\Program Files	(x86)\XPOSE\plugins\mmy	
Skipped: libi420 rab mmx plua	in.dl	
Skipped: libi420 vuv2 mmx plu	ugin.dll	
Skipped: libi422 vuv2 mmx plu	Jain, dll	
Skipped: libmemcpymmx_plugin	.dl	
Output folder: C: Program Files	: (x86)\XPOSE\plugins\mmxext	
Skipped: libmemcpymmxext_plu	igin.dll	
Output folder: C:\Program Files	: (x86)\XPOSE\plugins\mux	+
2009 R. 1898	64 (47.41) (19.144) (49.15)	100
://www.rgblink.com		

Click "Finish" and is ready to run the XPOSE management software:



Software Operation

Login to the Software



Double click the icon **XPOSE** on the desktop. Log in interface will be enter after opening, the user name is Admin, and there is no password, select "VENUS X2", and enter into the software by clicking "Login".



If user want to change the language to Chinese, click the drop down arrow after "Language" and select "Chinese", as shown in the figure below, then click "Login" to enter into the software.

XPOSE		
User Name	Admin	
Password Device Type	VENUS X2	<
Language	English English 中文	
	Login Cogin	

XPOSE management software interface is shown as follows.

VENUS X2									
⋎₽ <mark></mark> ⋑⋸⋸	Q Search	Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	[-> log out	
			Searc	h					

XPOSE management software contains the functions including: web links, search, output settings, operation mode, input settings, access control and system settings. In the following parts, we will introduce these in detail.

Connect the Device

First, set up the device IP, and ensure the IP of the computer and device is on the same network segment. Connect the XPOSE management software to the computer with the network cable and power up the device. Users can find the IP address of the device on its LCD screen after initializing.

Then, click the shortcut "Search" on the operation interface.

VENUS X2		and one watch		and the second second					B	- 0 X
X POSC	Q	[₽] (★)		₩	*	Æ	1	[→		
		Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	log out		
			Sear	ch.						
			Julie							

Then it will search the device, and show the device name, device number and IP after search, as shown in the figure below:



Finally, click the device to connect, as shown in the figure below:



The software will automatically synchronize after connection, as shown in the figure below:

XPOSE			A construction of the	C. Margan		
	Ħ	EDID Preview Set Loop		Actory Reset Output Card Shortcuts		a Time 1.0sec
	<	Bank1 Bank2				Take ON
						Cut Take
			PST		PGM	
		Signal1:1 2 3 x:0 y:0 w:1920 h:1200		Monitor:4 x:0 y:0 w:1920_h:12	00	
		Order:1	Sync I	Done!		
		X ±32767	Y ±32767 W 0	-66536 H 0-66536		
	<					>

Output Settings

Click the "Output Settings", and enter to the interface as follows:

VENUS X2		States and Street, or other	Statement and	and Summer as a					 	- 0 - X
X POSC	Q Search	Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	[++		
			Output S	setting		D	E Setting			
			Test Pa	ttem			OSD			

Output Setting, DE Setting, Test pattern and OSD are included in output settings, specific as follows:

Output Setting

Click the "Output Setting", and pop-up window as follows:

Output Setting	X
Output Format customize	720x480@60i ♥
Height Freq	0 0 0
Genlock Genlock Status Input Format	Setting
Output Format Input Source	HDMI

Output: Click the drop down arrow after the format, and select the output resolution in the pull-down menus according to actual need.

Format: The width, height and frequency can be set if select "**Custom**" in "Format". Click "**Setting**" to confirm. **Genlock:** Enable or disable the genlock function by sliding the genlock switch. If select "ON", the output resolution will be same with the resolution that selected. HDMI or BNC can be selected in "Input Source" by sliding the switch.

DE Setting

Click the "DE Setting", and pop-up window as follows:

DE Setting	
Brightness	
Brightness	0
	Set
De	
Output Port	Port 1
De Switch	OFF
x 🦲	Y
Width	Height
LinePolarity	Pos
ScenePolarity	Pos
	Set
Output Port	Vertical Spliting

Brightness: The brightness adjustment range is between 0~128. Click "**Set**" to confirm.

De: User can select one port or all ports, and enable the De function by sliding the De Switch. The settings for De include X, Y, width, height, line polarity and scene polarity. Vertical spliting can be selected in "Output Port".

Test Pattern

Click the "Test Pattern", and pop-up window as follows:



Output: User can select any board among the four boards.

Color Choice: TP, colour bar and pure colour can be selected.

Red, Green, Blue: If select "Pure Colour", red, green and blue can be adjusted, the adjustment range is between 0~255.

Click "Set" to confirm.

OSD

Click the "OSD", and pop-up window as follows:

🖝 OSD
One Output mode Muliti Output mode
Output 1 🔽 OSD OFF Close All
X: 0 FY: 0 FW: 1920 FH: 10 F
Font Alpha Font Color #000000
BG Alpha BG Color #FFFFFF
Font: 宋体 🔽 Font Size: 10 🔮 Pt
Font Type: Normal
Input Information
Save Clear Apply Cancel

Output Mode: One output mode or more output mode can be selected. In one output mode, user need to enable the OSD function and select the output first. The operations are as follows:

Size and Position Adjustment: The size and position can be adjusted by setting X, Y, W and H.

Font Setting: The font, font size, font type and font color can be set. Use can also select font alpha.

BG Alpha: Can set the background color or background alpha.

Input Information: Input the information that will display in the box.

Scrolling Speed: The scrolling speed can be set, and the adjustment range is between 1~16.

OSD Scroll: Can select no scroll, left scroll and right scroll.

Click "Save" and "Apply" after setting.

Operation Mode

VENUS X2

Click the "Operation Mode", and enter to the interface as follows:

Videowall Mode Matrix Mode Preview Mode 3D-Mode	x Pose	Q. Search	Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	[->
Videowall Mode Matrix Mode Preview Mode 3D-Mode									
Videowall Mode Matrix Hode Preview Mode 3D-Mode									
Preview Mode 3D-Mode				Videowall	Mode		Ма	itrix Mode	
				Preview	Mode			3D-Mode	

Videowall Mode, Matrix Mode, Preview Mode and 3D-Mode are included in operation mode, specific as follows:

Videowall Mode

Click the "Videowall Mode", and enter to the interface as follows:

XPOS	E			10.00	And Million and	in the second			States of Street	
					C		P		Alpha Time	() 1.0sec
				Sync Load Scri	pt Save Script Factory	Reset Output Card	Ghortcuts		Black Scene	OFF
Мс	nitor Sigr	nal 🤇	Bank1	Bank2	Bank3	Bank4 Bi	ank5 Banl	k6 Bank7	Auto Take	ON
	1: No Input			1			New York Co		Cut	Take
	2: No Input		x:0 y:0		x:1920 y:0		x:3840 y:0		x:5760 y:0	
	3: No Input		r:0		r:0		r:0		r:0	Q
	4: No Input		HDMI		HDMI		HUMI		HDMI	
	5: No Input	1								
	6: 1920x1080@2	.5 🤇								
	7: No Input		Monitor 5		Monitor 6		Monitor 7		Monitor 8	
	8: No Input		x:0 y:1200 w:1920 h:1200		x:1920 y:1200 w:1920 h:1200		x:3840 y:1200 w:1920 h:1200		x:5760 y:1200 w:1920 h:1200	1
۲	13: No Input		r:0 HDMI		r:0 HDMI		r:0 HDMI		r:0 HDMI	
۲	14: No Input									×
۲	15: 1920×1080@	60								Ē
0	16: No Input									
			Monitor 9		Monitor 10		Monitor 11		Monitor 12	
			w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		w:1920 h:1200	auto
			HDMI		HDMI		HDMI		HDMI	Adaptive
			Monitor 13 x:0 y:3600		Monitor 14 x:1920 y:3600		Monitor 15 x:3840 y:3600		Monitor 16 x:5760 y:3600	
			w:1920 h:1200 r:0		w:1920 h:1200 r:0		w:1920 h:1200 r:0		w:1920 h:1200 r:0	
			HDMI		HDMI		HDMI		HDMI	
										Monitor
										Layer
					+ 007.07	o arror	Han a great			total
			×	± 32/67 Y	= 52767 W	U-65535	U-65535	OK		

Signal List

The signal list is shown as follows:



It displays the input module type, the quantity of inputs and input format. Right click the input for the following settings:

Change Name: Select "New Name", and input the new name, click "OK" after setting.



Refresh Signals: Right click the input and select "Refresh Signals". If there is signal, it will show the input format, or it will show "No Input".

LOGO: Right click HDMI/DVI input, and select "LOGO", it will enter to the LOGO menu items.



LOGO capture: Select the LOGO, there are 10 groups of LOGO. The image is frozen when capture LOGO.

Hide LOGO: Select "Hide LOGO", the LOGO will be hidden.

Display LOGO: Select the number of "Display LOGO".

Live/Freeze: Select "Live/Freeze", the image is frozen. Cancel it, the image is live.

USB Player: Right click the USB input, and select "USB Player", it will enter to the USB Player interface, including movie and picture, default play the USB movie.

🔵 Movie (Picture 0 (S) Set	Clear
Index	File Name	Time
1	ISE1.avi	00:00:00
2	張靚穎 feat Big Sean.mp4	00:00:00
3	Taylor_SwiftYou_Belong_Wit	00:00:00
4	功夫熊猫 HD.mov	00:01:17
5	12_hancock.mov	00:00:00
6	ise 6.avi	00:00:00
]夫熊猫HD.r		00:00:25

USB movie player setting: Can select play in order, random, single cycle and all cycle, switch to pre or next, pause or play, and read the movie name, progress bar and time.

USB picture play time: Click the picture, it will display the setting interface, default the time is 0s. Set the switch time, and click "Set".

USB picture player setting: Can select play in order, random, single cycle and all cycle, and switch to pre or next, pause or play.

USB Upgrade: Put the file in the form of MERGE.bin to the USB disk root directory, and connect to the USB input. Right click the USB input, and select "USB Upgrade" to begin to upgrade USB. (Note: upgrade is only for the USB port that connected, user need to upgrade the four USB ports respectively.

Set Input Property: Right click the input and select "Set Input Property", it will enter to the interface as follows:

Property Set Form	×
Scale	
Crop	
Left 0 Top 0 Width 0 Height 0	
Display Mode	
Bypass Mode OFF	
Alpha O Sharpness O	0
Brightness 0 Contrast 0	0
Color Temp	
Blue 0	
Reset	

Scale: Set the X, Y, width and height.

Crop: Crop the left, top, width and height.

Display Mode: Select "Live" or "Freeze".

Mirror: Enable or disable the mirror function, default "OFF".

Bypass Mode: Enable or disable the bypass mode. When select "ON", the output format will be the same with the input format.

Alpha: Set the alpha, the adjustment range is 0~128.

Sharpness: Set the sharpness, the adjustment range is 0~100.

Brightness: Set the brightness, the adjustment range is 0~100.

Contrast: Set the contrast, the adjustment range is 0~100.

Saturation: Set the saturation, the adjustment range is 0~100.

Monitor

Color Term: Set the color temp (red, green and blue), the adjustment range is 0~100.

Reset: Select "Reset", the input property will be recover to factory setting.

Output Setting

Click "Monitor" shortcut

, it will enter the interface as follows:

XPOSE						and the strength			and some of the	- 0	×
				A A			P		Alpha Tim	e 😋 👝 1.0sec	
			EDID Loop	Sync Load Scr	pt Save Script Facto	ry Reset Output Card	Shortcuts		Black Scer	ne OFF	
Monitor	r s	Signal	Bank1	Bank2	Bank3	Bank4 E	Bank5 Bar	nk6 Bank7	Auto Take		
	Monitor 1	1	Monitor 1		Monitor 2		Monitor 3		Moni Cut	Take	3
			w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		
			HDMI		HDMI		HDMI		HDMI		
											out2
											6
		5	•								∎ow⊟
			Monitor 5		Monitor 6		Monitor 7		Monitor 8		auto
			w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		
			HDMI		HDMI		HDMI		HDMI		
			Monitor 9		Monitor 10		Monitor 11		Monitor 12		
			x:0 y:2400 w:1920 h:1200		x:1920 y:2400 w:1920 h:1200		x:3840 y:2400 w:1920 h:1200		x:5760 y:2400 w:1920 h:1200		
			r:0 HDMI		r:0 HDMI		r:0 HDMI		r:0 HDMI		
Quick Split											
H total	7680	_									
V total	4800		Monitor 13		Monitor 14		Monitor 15		Monitor 16		
Top border	0		w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		w:1920 h:1200		
Bottom Bor	der 0		r:0 HDMI		r:0 HDMI		r:0 HDMI		r:0 HDMI		
Left Border	0									Monitor	
Right Borde	0	_								Layer	
Column	4									H total V tota	
		ок	×	± 32767 Y	± 32767	V 0-65535	H 0-65535	R Rotation	ОК		
						-	~	, in a start of the			

Split Mode: Default quick split "OFF". User can enable the quick split function by sliding the switch to "ON". LED type and LCD type can also be selected by sliding the monitor type switch, specific as follows:

LED Type: Default LED type. In LED type, user can custom the H total, V total, row and column, as shown in the figure below:



LCD Type: Slide the monitor type switch, and select "LCD Type". Besides H total, V total, row and column, user can custom the top border, bottom border, left border and right border in LCD type, as shown in the figure below:

Quick split	OFF
H Total	7680
V Total	4320
Top border	0
Bottom border	0
Left border	0
Right border	0
Row	4
Column	4
	OK

Top border and bottom border, left border and right border are changed equivalently. For example, if set top border as 100, bottom border will be changed to 100 automatically, and if set left border as 200, right border will be changed to 200 automatically.

For example, set the top border, bottom border, left border and right border as 100, as shown in the figure below:

Monitor 1	Monitor 2	Monitor 3	Monitor 4
x:0 y:0	x:1920 y:0	x:3840 y:0	x:5760 y:0
w:1920 h:1080	w:1920 h:1080	w:1920 h:1080	w:1920 h:1080
r:0	r:0	r:0	r:0
HDMI	HDMI	HDMI	HDMI
Monitor 5	Monitor 6	Monitor 7	Monitor 8
x:0 y:1080	x:1920 y:1080	x:3840 y:1080	x:5760 y:1080
w:1920 h:1080	w:1920 h:1080	w:1920 h:1080	w:1920 h:1080
r:0	r:0	r:0	r:0
HDMI	HDMI	HDMI	HDMI

Close monitor: Click the icon on the top right corner of the monitor to close one monitor, or click the



on the right side of the interface to close all monitors.



Swap monitor: User can swap the monitor by clicking the shortcut on the right side of the interface, as shown in the figure below.



Auto tile: User can enable or disable the auto tile function by clicking the auto tile shortcut on the right side of the interface. If select auto tile "ON', the layer will automatically snap to the output grid when move the layer to the position within the threshold value.

Monitor Size and Position Setting: Move the mouse to the lower right brink of the monitor, and press the left key of the mouse. Move the mouse to the suitable position and release the mouse. But this method can only adjust the size and location roughly, if an accurate adjustment is needed, select the monitor, and set the X, Y, width and height in the bottom of the interface.

Х	2470	Y	2190	Width	1024	Height	768	

Monitor Size changed equivalently: Select any monitor, for example, select monitor 1, and adjust the size. Click this monitor, then press button C and don't let go, select the monitor that will set, the size of the selected monitor will be changed to the same size of monitor 1, as shown in the figure below:

Monitor 1	Monitor 2	Monitor 3	Monitor 4
x:0 y:0	x:1920 y:0	x:3840 y:0	x:5760 y:0
w:1589 h:767	w:1589 h:767	w:1589 h:767	w:1589 h:767
r:0	r:0	r:0	r:0
Monitor 5	Monitor 6	Monitor 7	Monitor 8
x:0 y:1080	x:1920 y:1080	x:3840 y:1080	x:5760 y:1080
w:1920 h:1080	w:1920 h:1080	w:1920 h:1080	w:1920 h:1080
r:0	r:0	r:0	r:0
HDMI	HDMI	HDMI	HDMI
Monitor 9	Monitor 10	Monitor 11	Monitor 12
x:0 y:2160	x:1920 y:2160	x:3840 y:2160	x:5760 y:2160
w:1920 h:1080	w:1920 h:1080	w:1920 h:1080	w:1920 h:1080
r:0	r:0	r:0	r:0
HDMI	HDMI	HDMI	HDMI
Monitor 13	Monitor 14	Monitor 15	Monitor 16
x:0 y:3240	x:1920 y:3240	x:3840 y:3240	x:5760 y:3240
w:1920 h:1080	w:1920 h:1080	w:1920 h:1080	w:1920 h:1080
r:0	r:0	r:0	r:0
HDMI	HDMI	HDMI	HDMI

Rotation: Select the monitor, and set the rotation as 0°, 90°, 180° and 270° in the bottom of the interface. Click "**OK**" to confirm. As shown in the figure below:



Right click the monitor can also rotate the monitor.

Output Area Size Setting: Move the mouse to the output area and slide the mouse wheel, the output area size can be zoom in and out.

Layer Setting

New Layer: In output screen zone of controlling software, press the left mouse key and drag on the intended output screen to cover the whole current screen. And the below interface will be displayed. A layer can also be opened by double clicking the left signal source to be shown on the window.



Adjust Layer: Two ways can change the size and location of the opened layer:

a. Drag the opened layer by mouse. The details are: move the mouse to the brink of the opened layer, when the mouse shows"<—>", press the left key of the mouse and drag the window to a suitable size and then release the mouse. Or move the mouse to the lower right of the opened layer, press the left key of the mouse and drag the window to a suitable size and then release the mouse. Move the mouse to the opened layer and press the left key of the mouse and move the mouse, then the layer will be moved, release the mouse when moved to the suitable location. But this method can only adjust the size and location roughly, if an accurate adjustment is needed, the second method can be used.

b. Select the layer to be adjusted, and set the X, Y, width and height in the bottom of the interface.



Property
Contra
Scale x 225 Y 371 Width 757 Height 579
Сгор
Left 0 Top 0 Width 1920 Height 1080
Display Mode
Mirror OFF
Alpha 0 Sharpness 0 0 Brightness 0 0 Contrast 0 0
Saturation () 0
Color Temp
Reset

Scale: Set the X, Y, width and height.

Crop: Crop the left, top, width and height.

Display Mode: Select "Live" or "Freeze".

Mirror: Enable or disable the mirror function, default "OFF".

Bypass Mode: Enable or disable the bypass mode. When select "ON", the output format will be the same with the input format.

Alpha: Set the alpha, the adjustment range is 0~128.

Sharpness: Set the sharpness, the adjustment range is 0~100.

Brightness: Set the brightness, the adjustment range is 0~100.

Contrast: Set the contrast, the adjustment range is 0~100.

Saturation: Set the saturation, the adjustment range is 0~100.

Color Term: Set the color temp (red, green and blue), the adjustment range is 0~100.

Reset: Select "Reset", the input property will be recover to factory setting.

H264 Video Preview

Select "System Settings" and click "Streaming IP & Power On Setting", Set "ON" for "H264 Display", as shown in the figure below:



Then enter to the videowall mode, the bottom of the interface will display the H264 video, as shown in the figure below, which is for preview.

Monitor Signal Loss Stript Same Script Restory Rest DutCardSet ShortKey BlackScene AutoTake 1:1920x816	OSE	1 1 1 1 2 4	i a O L.	д	Alpha time 15
1:1920x816 Cxt T 2:1920x816 Monitor 1 Monitor 2 Monitor 2 Monitor 4 Monitor 4 Monitor 4 Monitor 4 Monitor 2 Monitor 4 Monitor 7 Monitor 7 Monitor 8 Monitor 7 Monitor 7 Monitor 8 Monitor 7 Monitor 10 Monito 7	Monitor Signal	EDID Loop Sync Load Scr Bank1 Bank2	spt Save Script Factory Reset OutCard Set Bank3 Bank4	shortkey Bank5 Bank6 Bank	BlackScene Orr 7 AutoTake ON
2: 1920x816 3: No Taput 4: No Input 9: No Input 10: No Input 11: No Input 12: No Input 11: No Input 11: No Input 12: No Input 11: No Input 12: No Input 12: No Input Nonitor 9 x:1320 x:10 20 h:1080 r:0 r:12: No Input 10: No Input 11: No Input 12: No Input 10: No Input 10: No Input 11: No Input 12: No Input Nonitor 9 x:1080 x:10 20 h:1080 r:1080 r:0 Nonitor 9 x:1020 h:1080 r:0 NulL Null Null Null <t< th=""><th>1: 1920x816 🧧</th><th></th><th></th><th></th><th>Cut Take</th></t<>	1: 1920x816 🧧				Cut Take
4: No Input 10: No Input	2: 1920x816 3: No Input	Monitor 1 x:0 Signal 1 art1 x:018 x:0324	Monitor 2 x:1920 y:0 w:1920 b:1080	Monitor 3 x:3840 y:0	Monitor 4 x:5760 y:0 w:1920 b:1080
I0: No Input W:1229 Visit Signal 1 x:1218 Wisit y:1218 Monitor 7 x:1218 Monitor 7 x:1218 Monitor 7 x:1218 Monitor 7 x:1340 Monitor 7 x:1340 Monitor 8 x:1570 X:5700 Monitor 8 x:5700 Monitor 8 x:15700 Monitor 8 x:15700 Monitor 10 x:1320 Monitor 10 x:1320 Monitor 10 x:1320 Monitor 11 x:1218 Monitor 11 x:1220 Monitor 12 x:1080 Monitor 11 x:1320 Monitor 11 x:1320 Monitor 12 x:1320 Monitor 12 x:1320	4: No Input 9: No Input	r:0 w:1264 h Signal 1 HDP Order:1 x:754 y:424	0 DM1	r:0 HDMI	r:0 HDMI
Monitor 9 x:0 y:1215 h:080 y:1920 h:1080 r:0 HDMI Monitor 5 y:1920 h:1080 r:0 HDMI Monitor 7 x:13840 y:1080 r:0 HDMI Monitor 8 x:5760 y:1080 r:0 HDMI Monitor 8 x:5760 y:1080 r:0 HDMI Monitor 9 x:0 y:1260 r:0 HDMI Monitor 10 r:0 r:0 HDMI Monitor 10 r:0 HDMI Monitor 11 x:13840 y:2160 x:1920 h:1080 r:0 HDMI Monitor 12 x:1576 y:2160 x:1920 h:1080 r:0 NULL Monitor 11 x:1392 h:1080 r:0 NULL Monitor 12 x:1576 y:2160 x:1920 h:1080 r:0 NULL	10: No Input	0 w:1279 Signal 1 Order:2 Signal 1 x:1218 y:75	12		
Monitor 9 Monitor 10 Monitor 11 Monitor 12 x:0 y:2160 x:1920 y:2160 x:3840 y:2160 x:5760 y:2160 x:10 y:2160 x:1920 h:1080 x:1920 h:1080 x:1920 h:1080 r:0 r:0 r:0 r:0 r:0 NULL NULL NULL NULL NULL	12: No Input	Monitor 5 x:0 y:1080 w:1920 h:1080 r:0 HDMI	29 (1080) (1080) (1080) (1080) (1080)	Monitor 7 x:3840 y:1080 w:1920 h:1080 r:0 HDMI	Monitor 8 x:5760 y:1080 w:1920 h:1080 r:0 HDMI
		Monitor 9 x:0 y:2160 w:1920 h:1080 r:0 NULL	Monitor 10 x:1920 y:2160 w:1920 h:1080 r:0 NULL	Monitor 11 x:3840 y:2160 w:1920 h:1080 r:0 NULL	Monitor 12 x:5760 y:2160 w:1920 h:1080 r:0 NULL
Monitor 13 Monitor 14 Monitor 15 Monitor 16 x:0 y:3240 x:1920 y:3240 x:3840 y:3240 x:5760 y:3240 w:1920 h:1080 w:1920 h:1080 w:1920 h:1080 w:1920 h:1080 r:0 r:0 r:0 r:0 r:0		Monitor 13 x:0 y:3240 w:1920 h:1080 r:0	Monitor 14 x:1920 y:3240 w:1920 h:1080 r:0	Monitor 15 x:3840 y:3240 w:1920 h:1080 r:0	Monitor 16 x:5760 y:3240 w:1920 h:1080 r:0

Drag the signal to the H264 video area, the preview signal will be switched, as shown in the figure below:

XPOSE	1.2		_							-	-				_	1000		0
			EDID		(J) Sync	Load Scrip	pt Save So	ript Factory	Reset Out	Card Set	ShortKey				Alp Bla	nha time 👩		;
Mor	nitor	Signal		Bank1	Bank2		Bank3		Bank4	В	ank5	Bank6		Bank7	Aut	toTake		ON 🥥
	1: 1920×81		•													Cut	Те	ke
=	2: 1920×81	6		onitor 1			Monitor 2	2			Monitor	3			Monitor 4			
	3: No Input		X	0 Signal 1	i.		x:1920	y:0 h:1080			x:3840 w:1920	y:0 h:1080		2	x:5760 y:	0		
	4: No Input			0 w:1264 hs	ignal 1		0				r:0	111 4 4 4 4 4			0			
2	9: No Input		<u> </u>	De Droiert X	754 y:424		DWT				HUML			1	поры			
_	10: No Inpu			0	rder:2 Sign	al 1 18 v:757												
_	11: No Inpu		M	onitor 5	W:12	215 h:92	9	-			Monitor	7			Monitor B			
-	12: NO INPL	" <u>\</u>	x	0 y:1080		11.5		:1080			x:3840	y:1080		2	x:5760 y:	1080		
			5	D				11000			r:0				r:0			
				DMI							HDMI			1	HDMI			
			M	onitor 9			Monitor 1	10			Monitor	11		,	Monitor 12			
				0 y:2160			x:1920	y:2160			x:3840	y:2160			x:5760 y:	2160		
				1100 1112000			r:0	111000			r:0				r:0			
							NULL				NULL				NULL			
				\														
			M	onitor			Monitor 1	14			Monitor	15			Monitor 16	W	71000	
			x	0 γ:32			x:1920	y:3240			x:3840	y:3240		2	x:5760 y:	3240		
				0			r:0	n:1080			r:0	1:1080		1	w:1920 n: r:0	1080		total
				×	± 32767	Y	± 32767	W	0-6553	35	H 0-	65535	OK					
				The second														
			1000	CT CT L			0		1		-							
				VIDEO	USB		VID	EO:USB	2		VIDEO:U	ISB		VIDEO	USB			
							ANY .	100										

Click the arrow on both sides of the H264 video, the groups of the preview signals will be switched, as shown in the figure below:



Take

The take interface is shown as the figure below:

Alpha time 🕥	15
BlackScene	OFF
AutoTake	ON 🤍
Cut	Take

Set the alpha time, and the adjustment range is 0~10S.

Slide the black scene switch to enable or disable the black function. Auto take on is the default state. If select black scene and auto take on, the preview image will black or seamless switch to LED display instantaneously. Click "Cut" or "Take", the preview will be cut or seamless switch to LED display.

EDID



, and pop-up window as follows:



The special display project or LED display application would like to require special resolution settings to meet the requirement. Select the input or output board to read and write the EDID. As shown in the figure below:

DID Management		×
Read control		
Read EDID	Read	
Write control		
Write HDMI	Write	÷
Write VGA	Write	2
Write File	Write	2
Cutomize setting		
Template	RGBDVI	
Width		3
Height		
Frequency		
	Set	

Loop



Click the loop shortcut "Loop ", and pop-up window as follows:



Slide the loop switch to enable or disable the loop function for the bank. If select "ON", the bank play time can be set.

Sync



Click the sync shortcut "Sync " to synchronize the current data.

Load Script



Click the load script shortcut "Load Script", user can load the data from the computer.

Save Script



Click the save script shortcut "Save Script", user can save the data to the computer.

Factory Reset



Click the factory reset shortcut "Factory Reset" to reset to factory settings.

Out Card Set



Click the out card set shortcut "OutCard Set", and pop-up window as follows:

Ouput Card	ł				×
Output Card					
	())	()	(III)	()	
	())	()	(11)	e +)e	

Click any output, and pop-up window as follows:

OutputBoa	ard Settings		X
Output:1			
x	0	Y	0
Width	1920	Height	1080
Rotate	No Rotate		
			Set
Advan	ced Setting		

X, Y, width, height, rotate can be set.

If click "Advanced Setting", pop-up window as follow:

OutputBo	ard Settings	_		×
Output:	1			
x	0	Y	0	
Width	1920	Height	1080	
Rotate	No Rotate			
			Set	
🔲 Advai	nced Setting			
Scale				
x	0	Y	0	
Width	0	Height	0	
Crop				
x	0	Y	0	
Width	0	Height	0	
			Set	

In advanced setting, scale and crop can be set. Not recommended to use "Advanced Setting". Short Key



Click the shortcut "ShortKey", and pop-up window as follows:



Use shortcut key to operate fast and easily.

Matrix Mode



Click the "Matrix Mode", and pop-up window as follows:

Click "OK", and the system will synchronize the data, about 5 seconds later, it will enter the interface as follows:



In matrix mode, any operations are unavailable except signal selection, bank selection, alpha time and black scene setting.

Default source 1 to monitor 1, source 2 to monitor 2, and so on. Select the signal, and drag it to the source that will set. For example, set signal 3 for source 1, as shown in the figure below:

TPOSE 200			the second second		
			о С ни нии	渎入/出时间 。 黑场	6.2ł)
里示器 信号	场版1 场数2	运费3 运费4	场展5 场景6	场景7 自动Take	# 🔵
🚍 1:852x460	•			Cut	Take
2: 1920x816					
4: No Input		C+#1	****		
9:1920x1080@60					
📼 10: No Input		143			
Il: No Input					
12: NO input					
		85			
		(64)			
	1				
			~		

Source 1 will be switched to signal 3, click source 1, then click "TAKE" icon _____, the signal will be switched to the corresponding monitor. Connect the signal to the corresponding output after setting.

Preview Mode

Click the "Preview Mode", and pop-up window as follows:



Click "OK", the system will synchronize the data, and it will finish about 5 seconds later, click "OK", it will enter the interface as follows:

Preview Mode & Preview Ports Set	ting			The second se	
Preview Mode Multiview 💎 One image Two Image Three Image Four Image	Port Port Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po Output: Po	save Script Factory Reset of Bank4	Dutput Card Shortcuts Bank5 Bank6	Bank7 Alpha Time Date Scene Bank7 Cut	1.0sec
Five Image	Output Po Output Po Output Po Output Po	tput Por		PGM	
Six Image	Stow set time Cancel OK				
Connection Diagram					
	PGM PST				
					Layer
	X ±32767 Y ±3	2767 W 0-65535	Н 0-65535 ОК		

Select the preview mode, and select multiview or splice multiview, then select the preview image according to actual need. User can select max three outputs in one output card.

The connection diagram area will show the corresponding splice guidance figure, as shown in the figure below:



Click "Ok", the settings will be displayed in the monitor, as shown in the figure below. Click "Take" or "Cut" in "Take" box to seamless switch or cut the preview signal to the LED display.



Note

The adjustment for monitor is available when there is no any layer in PST or PGM window.

Input Settings

Click the "Input Settings", and enter the interface as follows:

VENUS X2	a strange	Read Local Division 1	Barra Santa Santa	and the second second					 _ 0 <mark>_ × _</mark>
X POSE	Q Search	Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	[->	
		DSK Settings			Source Backup			Source Merge	
		4K Input Set			H264 Input Settings				

DSK settings, source backup, source merge and H264 input settings are included in input settings, specific as follows:

DSK Settings

Click the "DSK Settings", and pop-up window as follows:

Input port Input 1	Vreset User	
DSK OFF		
Model	Alpha	
Red Max	Red Min	
Green Max	Green Min	
Blue Max	Blue Min	
		Set

Select DSK ON, as shown in figure **DSK ON**, then set the input ports, including preset selection, custom mode, alpha and color setting. Click **"Set**" to confirm.

Source Backup

Click the "Source Backup", and pop-up window as follows:

Source Backup				Le la	×
Source Backu	ıp				
Source Backup1	Source 1	V	Source Backup2	Source 2	\bigtriangledown
Source Backup3	Source 3		Source Backup4	Source 4	$\overline{\nabla}$
Source Backup5	Source 5	V	Source Backup6	Source 6	₹
Source Backup7	Source 7	V	Source Backup8	Source 8	∇
				Set	

Enable the hot backup function, as shown in figure Hot Backup, and set the backup signal for Hot Backup 1 to Hot Backup 8. It will switch to the backup signal if the signal is interrupted.

Source Merge

Click the "Source Merge", and pop-up window as follows:



The S-HDMI input optional module support signal merger. Click any valid input board, for example, select



Source Merge									×
Board 1	Board 2	Board	13	Boa	rd 4				
1920×1080@60									
Source 1 X :0 Y :0 W :640 H :1080		Source 1 X :640 Y :0 W :640 H :) 1080			Source 1 X :1280 Y W :640 H	(:0 :1080		
Source 1	1920x1080@60		Scale ×	0	🖹 Y 🛛	0 V	640	н	L080 🖹
Source 2	1920x1080@60		Cron X	0			1920	I A P	2160
Source 3	1920x1080@60		crop x				1920		100 🖭
Source 4	1920x1080@60								Set

Click any layer, then click any source, and the layer source can be switched, as shown in the figure below:

Source Merge					
Board 1	Board 2	Board 3	Board 4		
1920×1080@60					
Source 2 X :0 Y :0 W :640 H :1080		Source 1 X :640 Y :0 W :640 H :1080		Source 1 X :1280 Y :0 W :640 H :1080	
Source 1 1	1920×1080@60	Scale	K 0 🕀 Y	0 💿 W 640 🔅	H 1080 💿
Source 2 1	1920x1080@60	Crop	K 0 🗎 Y	0 💿 W 1920 🖗	H 2160 0
Source 3 1 Source 4 1	1920×1080@60 1920×1080@60				Set

User can also scale or crop the layer.

H264 Input Settings

Click the "H264 Input Settings", and pop-up window as follows:



Select the input board and input port.

IP Set: Select "Ip Set", and Ip Address, Netmask, Gateway, DNS and Mac can be edited.

Network URL Set: Select "Network URL Set", it will read the URL address automatically, user can also input the network URL.

System Settings

VENUS X2						ALC: ADDRESS			- 0 ×
≭502€	Q Search	Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	[-> log out	
		Connect Setting			IP Settings			System Information	
		Streaming IP Power On Setting Fan Control			Factory Reset			Streaming Setting	
		Help							

Click the "System Settings", and enter the interface as follows:

Connect Setting, IP settings, System information, Streaming IP Power on Settin Fan Control, Factory Reset and Streaming Setting are included in system settings, specific as follows:

Connect Setting

Click the "Connet Setting", and pop-up window as follows:



Select the serial connect and Ethernet connect, the software will search all the devices if not select "Search by this configuration".

If select "Serial Connect" and "Search by this configuration", the software will search all the devices with corresponding serial port.

If select "Ethernet Connect" and "Search by this configuration", the software will search all the devices with corresponding IP.

Connect Setting		×
Serial Connect		
COM Port	COM1	V
Ba		
Set The UDP Co	ommunication Success!	
	01	
	UK	
Search by this configuration	ion	
Gancel	OK	

System Information

Click the "System Information", and pop-up window as follows:

Version Information	Version Information							
	Version Info							
Software Version	1.2.7.0							
Model Number								
Serial Number								
IP Address	IP Address							
MAC Address								
Comm Board Firmware								
Output Board Firmware								
1: 2: [3:	4:						
Input Board Firmware								
1: 2:	3:	4:						

Display the device version information. Including device model, serial number, IP address, firmware version, etc.

IP Settings

Click the "IP Settings", and pop-up window as follows:



Default "Auto get ip address". Users can also set IP address, mask and gateway manually. This is usually used if one computer control some devices or remote control. It takes effect after reboot the software if change IP through network.

Factory Reset

Click the "Factory Reset", and pop-up window as follows:



Select "Remove the LOGO", and click "**OK**", the LOGO will be removed. Select "Remove EDID", and click "**OK**", the EDID will be removed.

Streaming IP & Power On Setting & Fan Setting

Click the "Streaming IP Power On Setting Fan Control", and pop-up window as follows:

Streaming IP & Power-on delay time & Far	n setting
H264 display: OFF	
IP:	
	Set
H.264 Resolution 850x480	
H.264 Frame Rate 20	
Refresh Rate: 10	S
	Set
Time-Lapse Power On:	s
	Set
Auto Fan Control: OFF	
Fan Speed:	1
	Set

H264 Display: Enable or disable the H264 display function. If select "ON", the interface will display the H.264 video when enter to the operation mode, which is for preview.

IP: Set the IP address of H264 video, click "Set" after setting.

H.264 Resolution: Set the resolution of H.264.

H.264 Frame Rate: Set the frame rate of H.264.

Time-Lapse Power On: The adjustment range is 0~255, click "Set" after setting.

Auto Fan Control/Fan Speed: OFF/ON to enable or disable auto fan control. If disable it, **Fan Speed** can be adjusted manually. The rang of Fan Speed is 0-100.

Streaming Setting

SIGNAL1

Argment Setting

Lyout Sett

Click the "Streaming Setting ", and enter the default mode of Streaming Setting and pop-up window as follows:

Users can choose any one from the 16 signal source from right bottom section.

Users can custom the streaming display by selecting Custom and choose Color Fill or Image Fill. Choose Color Fill as following example:

e Streaming Setting						×
	SIGNAL1		Argmen	t Setting	Layout	Setting
			Choose Mod	el 🚺 Defau	it 🔲	Custom
			Image			
			Model	Colo	r Fill 📃 I	mage Fill
			Choose Colo	r 📃 .		
			Transparenc	Y	100	%
			Text			
			Text	X2		
X2			Font Size		62	%
					8	%
SIGNAL:1					26	%
			Choose Colo	۲ 📃 .		
					Sav	e
				2	3	4
			5	6	7	8
		-3	9	10	11	12
			13	14	15	16
			All	Reset	Go Ba	ack

Choose Image Fill, users can load image from computer, see below:



Transparency: range from 0-100 which can ajust the transparency of the the filled image or color on the streaming display

Text

Text: Users can type in the text to show on the streaming display.

Font Size: Adjust the font size of the text, range from 0-100

X: Adjust the text horizontal position

Y:Adjust the text vertical position

Choose Color: Choose color for the Text.



Choose Layout Setting

Users can set layout of the streaming display of the 16 inputs. Quick Layout is offered, for example 2 Row 2 Column, as picture below:



Total number of Row can not exceed 4, neither does the Column.

Slave Unit

Click the "Slave Unit", pop-up window as follows:

XPOSE			 X
Device Number	s 3	\$	Set Numbers
Index	Device IP	s	tate
1 🔴	192.198.0.2	Open	Close
2 🔴		Open	Close
3 🦲		Open	Close
			Open All
		ISE AII	Open All

If X2 need to cascade with other devices, type in the number of devices and **Set Numbers**. IP of other devices will be shown. Users can close/open one by one or all.

When any connecting port is open the dot behind Index number will turn green, where will the behavior is the set of the s

Access Control

VENUS X2	and the same of	ter the first the set		and the second s					B	- 0 - X -
≭5 <mark>0</mark> 5€	Q Search	Output Settings	Operation Mode	Input settings	System Settings	Slave Unit	Access Control	[->		
			Access Co	introl		Rights M	lanagement			

Click the "Access Control", and enter the interface as follows:

Role management and rights management are included in access control, specific as follows:

Role Management

Click the "Role Management", and pop-up window as follows:

Role Management	
User List Admin	User Info
User01 OUsers user02	User: Password: User Type: Admin V Add Edit Del

Add: Input the user name and password, and select the user type as "Admin' or "Users", click "**Add**" after setting.

Edit: Select the admin or users in user's list, then edit the password or user type, click "**Edit**" after setting. **Del:** Select the admin or users in user's list, then click "**Del**", the selected user will be deleted.

Rights Management

Click the "Rights Management", and pop-up window as follows:



Select the admin or users in user's list, then click the rights in "Managements Detail". Click "**OK**" after setting. User can operate the rights that selected.

User Info: Display all the Admin or Users list, double click it will unfold or fold the list.

Management Details:

The admin can manage all the admin users and users user.

Admin users can manage all the users user, except the admin users.

Users can not mange all the users, including admin user and users user.