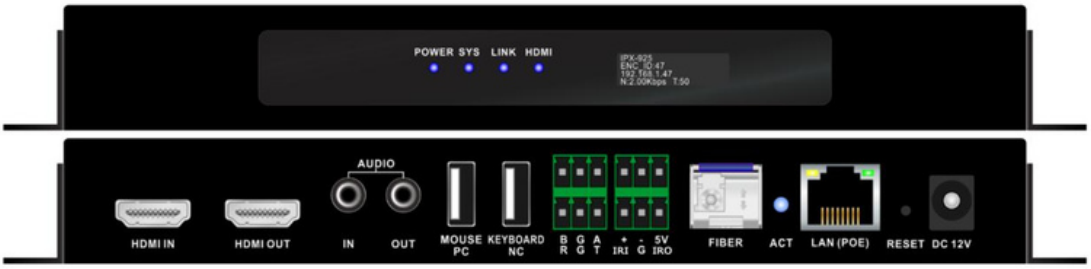
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USER MANUAL

IPX-925

4K30 HDMI over IP in One

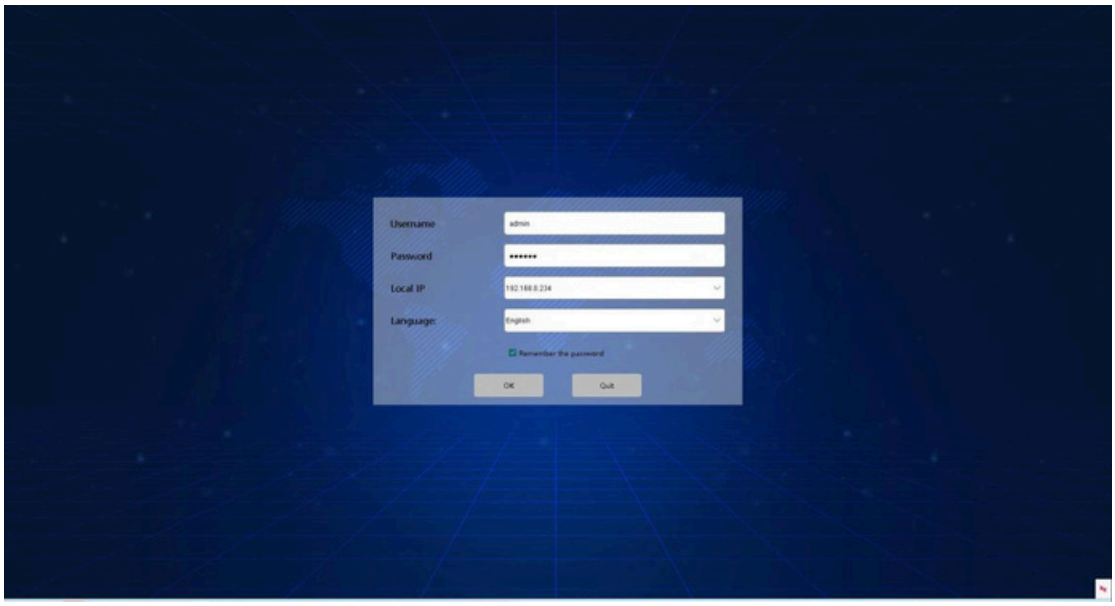


1. DVSTool PC control software

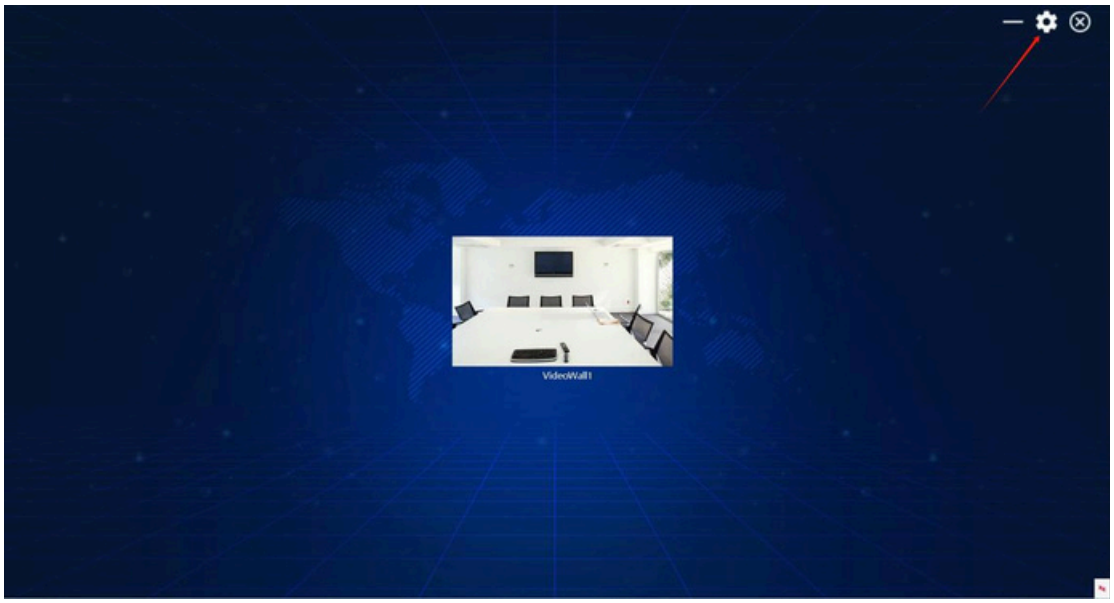
With thisDVSTool PC control software,users can configure the devices ID, IP, Upgrade, video wall, matrix, OSD etc function.

DVSTool software login

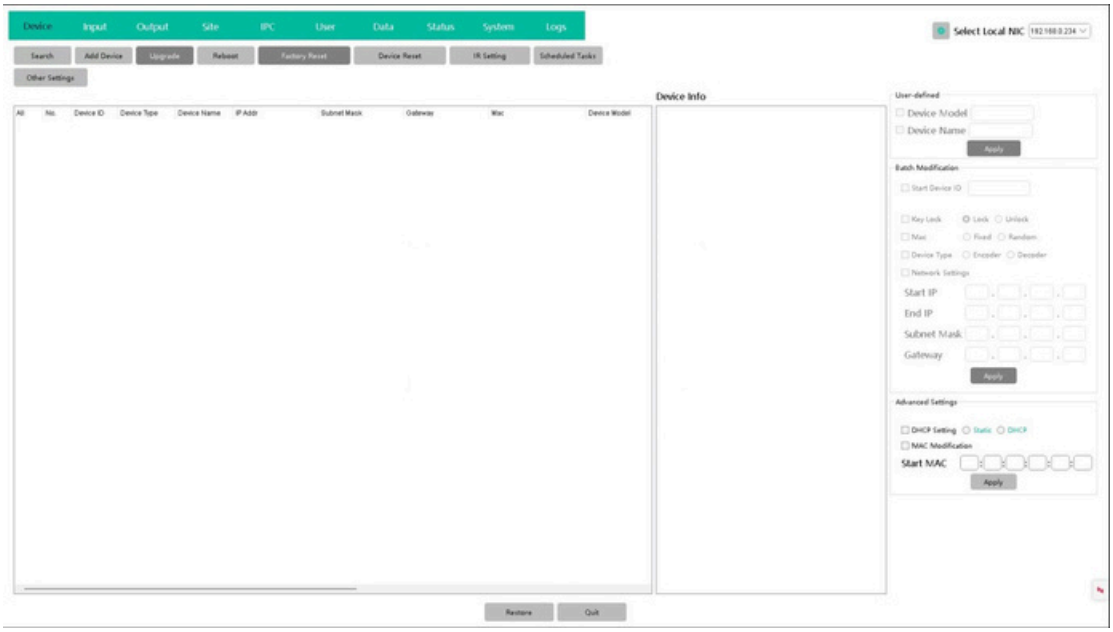
The default user name is admin, password is 123456, local IP is the control PC IP address, then click to login:



After login the software, need to click the Setting icon on the right top corner for the system setting first:

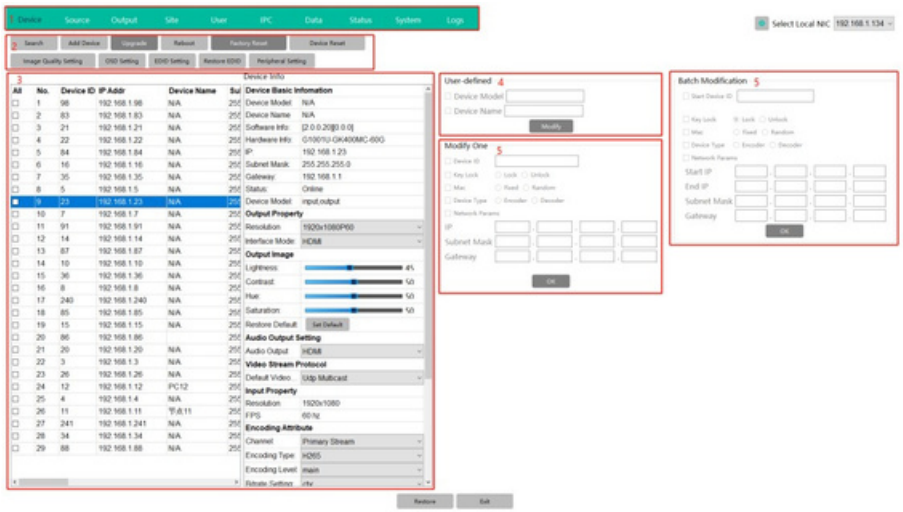


Then it will be showing the setting page with different setting tabs:

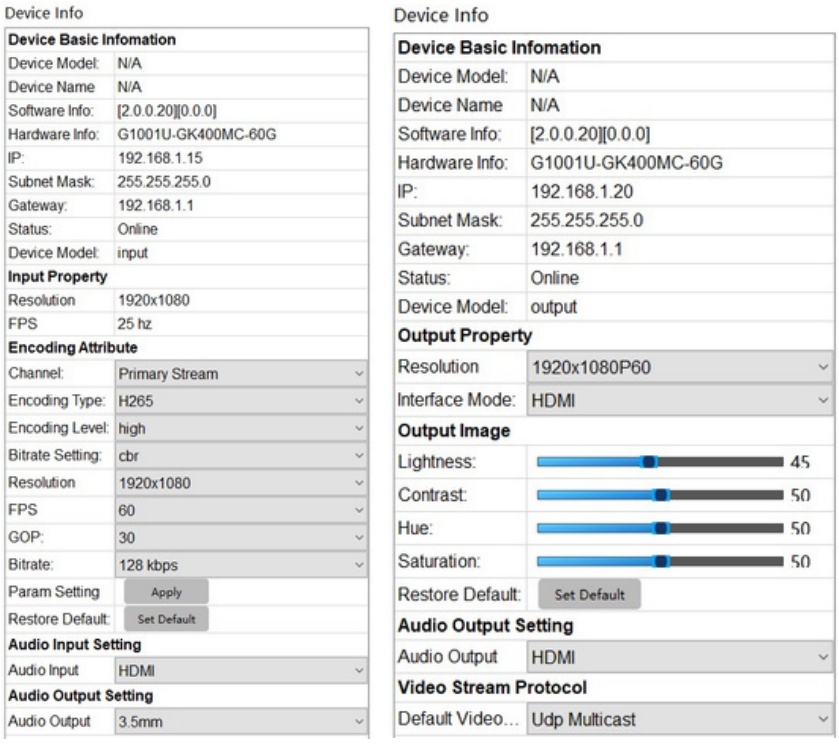


Device: for finding all the devices, adding, upgrade, reboot, etc
Source: after setting the device IP/ID/working type as encoders, then add them as sources
Output: after setting the device IP/ID/working type as decoders, then add them as outputs
Site: for creating the video wall, matrix etc
User: for adding different users with different level rights
IPC: for adding the IP cameras
Data: for uploading the data/configuration to different control devices
Status: for the devices' working status checking/dispaly
System: for the preview mode settings, etc
Logs: for the system operation logs records

Device: for finding all the devices, adding, upgrade, reboot, etc



After selected a device, then users can do the setting for the devices accordingly,changethe name/ID/IP/work type(as encoder or decoder)/resolution/audio



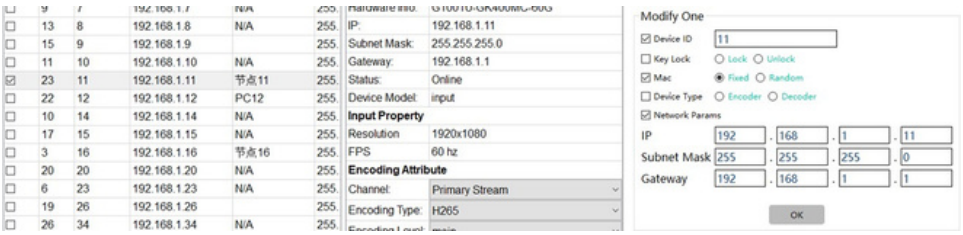
Device Info

Device Basic Infomation	
Device Model:	N/A
Device Name	N/A
Software Info:	[2.0.0.20][0.0.0]
Hardware Info:	G1001U-GK400MC-60G
IP:	192.168.1.15
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
Status:	Online
Device Model:	input
Input Property	
Resolution	1920x1080
FPS	25 hz
Encoding Attribute	
Channel:	Primary Stream
Encoding Type:	H265
Encoding Level:	high
Bitrate Setting:	cbr
Resolution	1920x1080
FPS	60
GOP:	30
Bitrate:	128 kbps
Param Setting	Apply
Restore Default:	Set Default
Audio Input Setting	
Audio Input	HDMI
Audio Output Setting	
Audio Output	3.5mm

Device Info

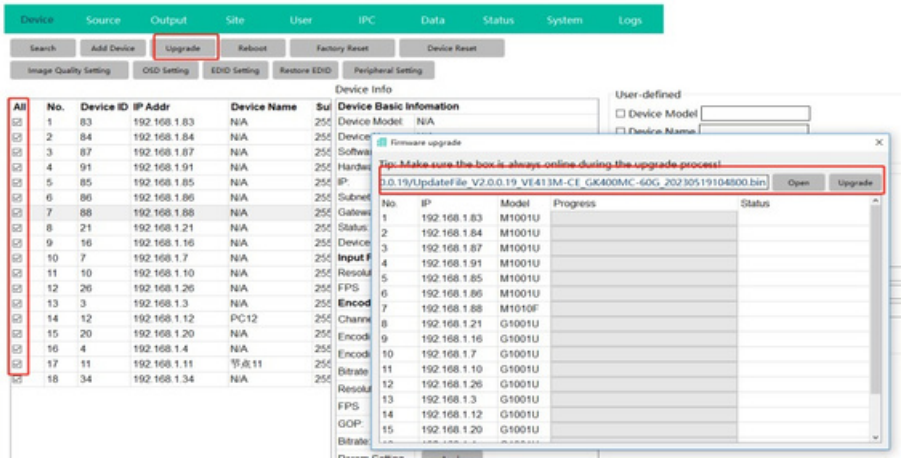
Device Basic Infomation	
Device Model:	N/A
Device Name	N/A
Software Info:	[2.0.0.20][0.0.0]
Hardware Info:	G1001U-GK400MC-60G
IP:	192.168.1.20
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
Status:	Online
Device Model:	output
Output Property	
Resolution	1920x1080P60
Interface Mode:	HDMI
Output Image	
Lightness:	45
Contrast:	50
Hue:	50
Saturation:	50
Restore Default:	Set Default
Audio Output Setting	
Audio Output	HDMI
Video Stream Protocol	
Default Video...	Udp Multicast

* When set the **device Type** and **NetworkIP address** can't not at the same time, aswhen change device type and IP address both will auto restart the device.



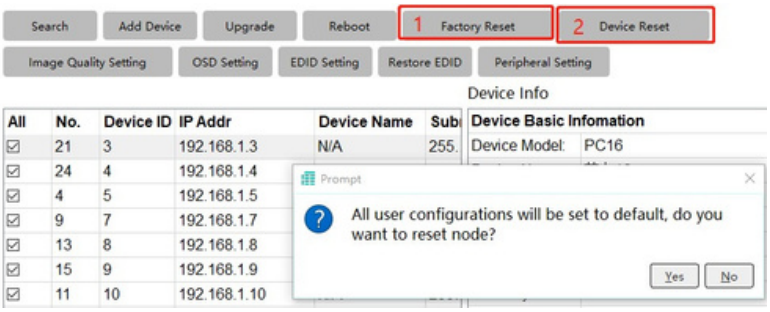
Upgrade the devices, can select all devices to upgrade at once:

*Note the M1001U and G1001U models can't use the same firmware and upgrade, need to upgrade separately: (M1001U: IPM-925, G1001U: IPX-925, GB1010U: IPX-935)

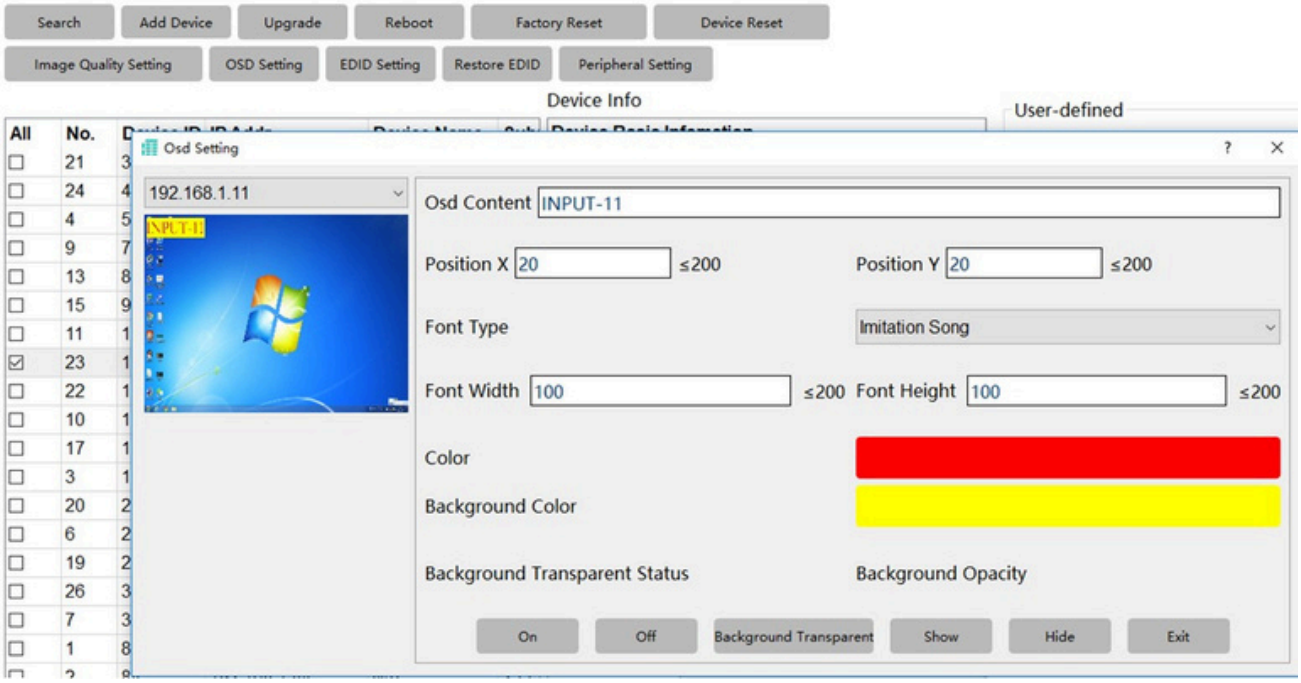


Factoryreset:Allthedeviceswillbebacktofactorydefault sa ID and IP at 192.168.5.50

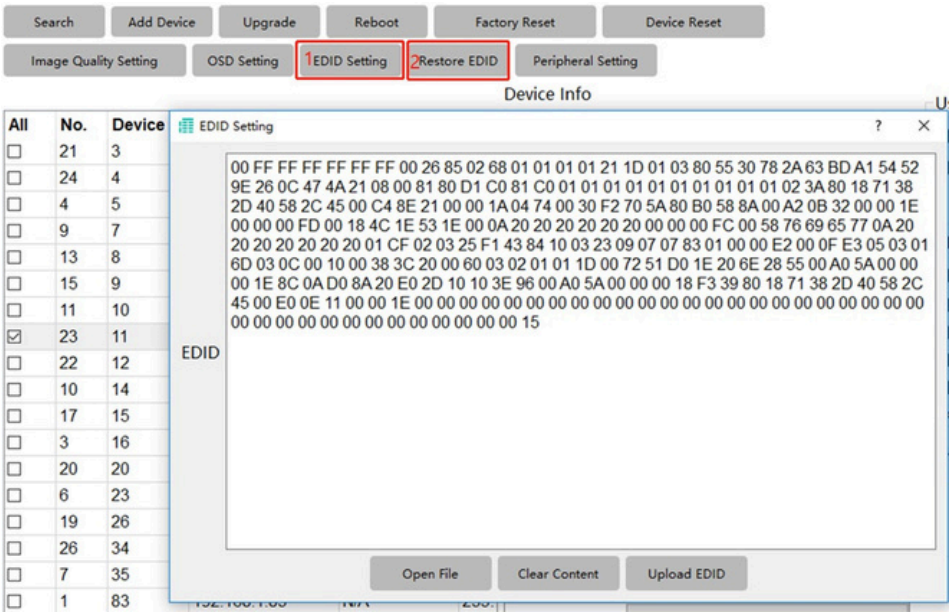
Device Reset: Clear the ID, MAC, device type and IP address



Once the device type set as Encoder, then it can support the OSD function:

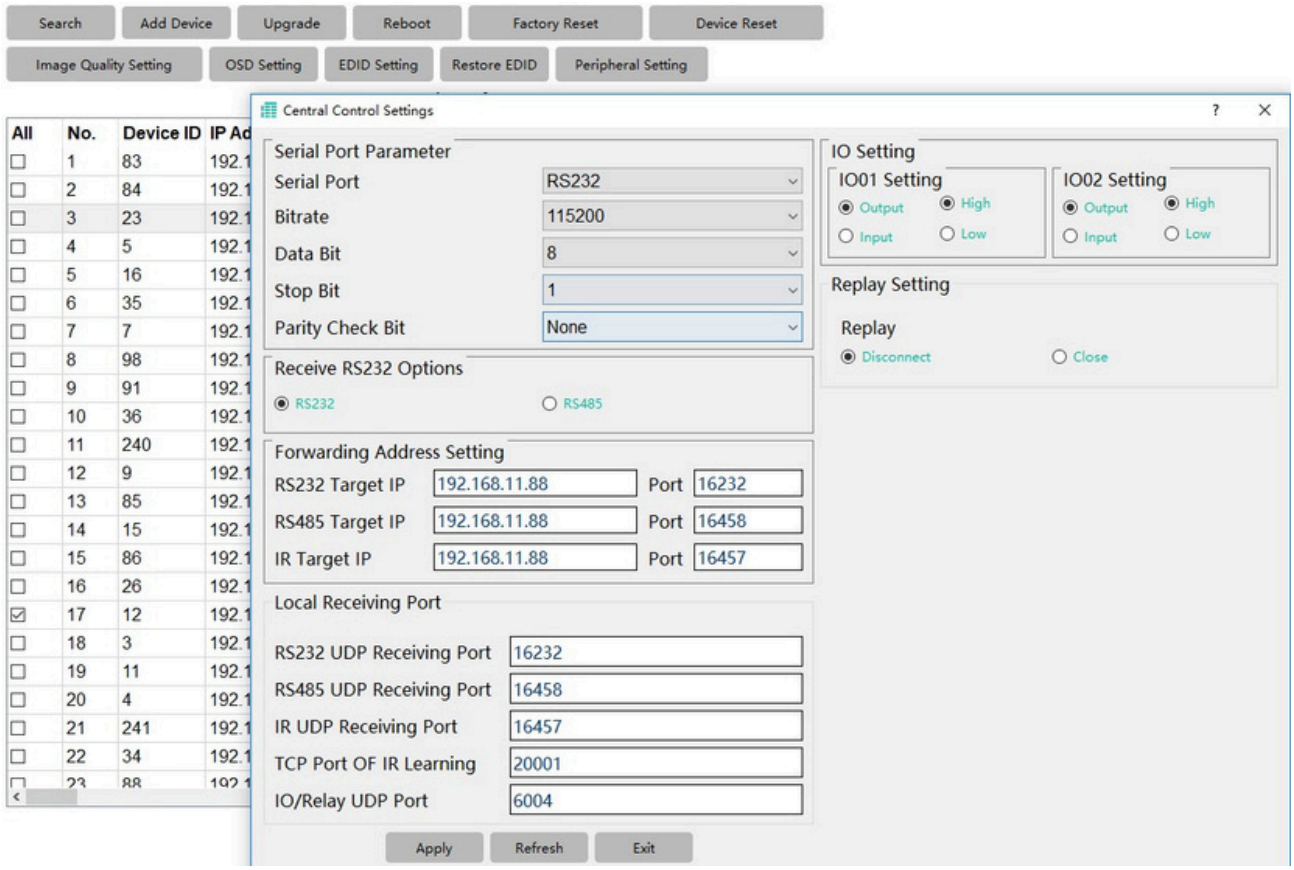


EDID setting and restoreAdd by EDID file with bin format at HEX code or restore the EDID.

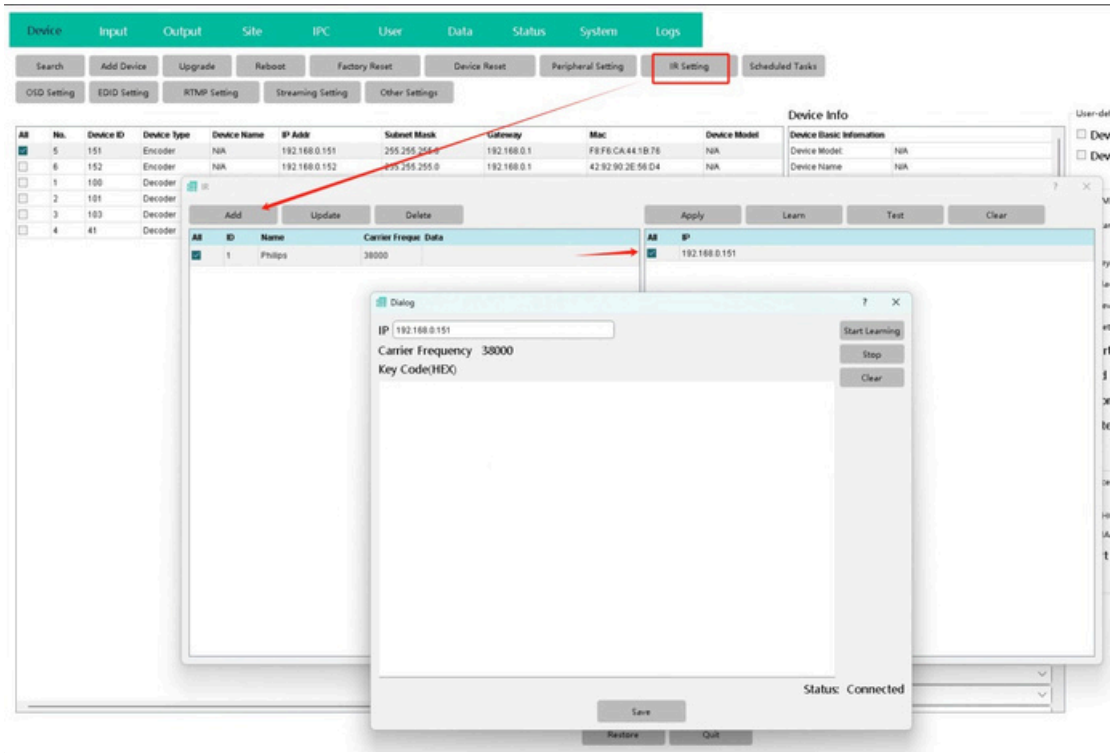


Peripheral setting is for the RS232/RS485/Relay/I/O those control ports

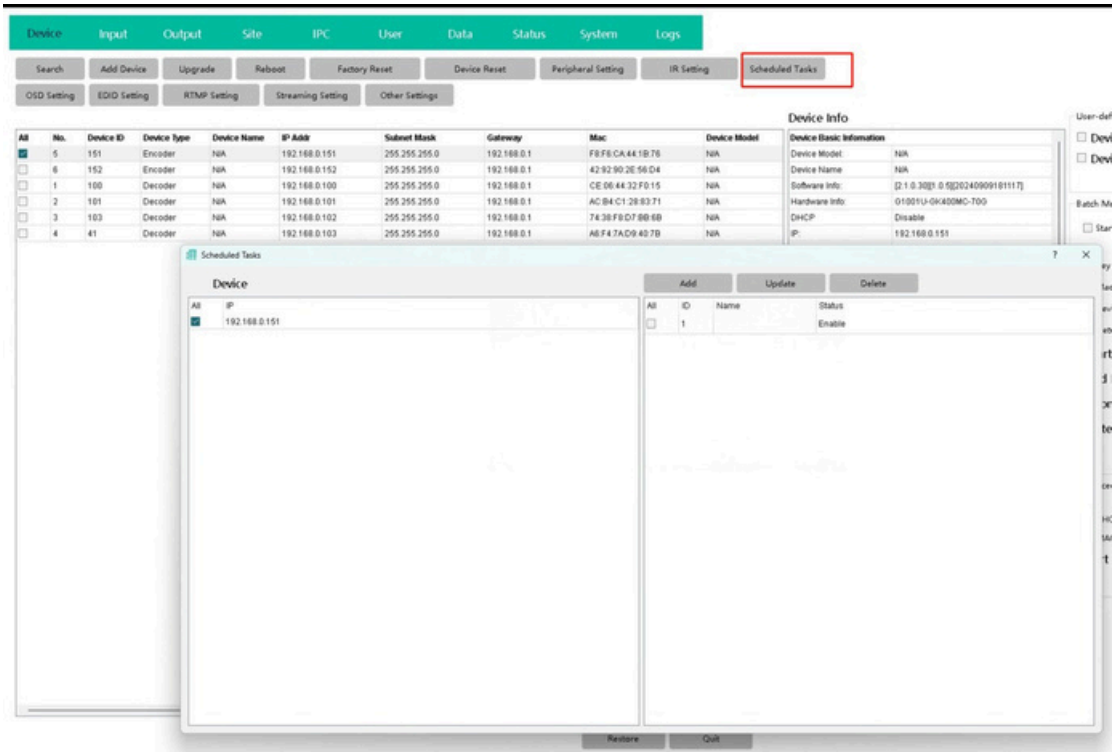
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IR Settings can use for the IR learning, please note that it only can support the fixed 38Khz IR:

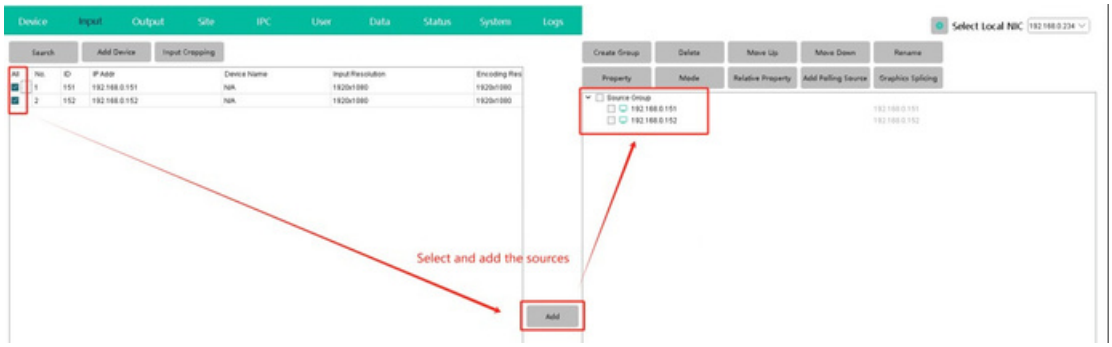


Scheduled tasks tab is for having the devices to reboot at a specific time:



Input: after setting the device IP/ID/working type as encoders, then add them as sources:

Select from the list, then choose the source group, and click add button to add.



Search to find all the same LAN devices

Add device manually when not finding the devices

Input Cropping is for the input cropping function.

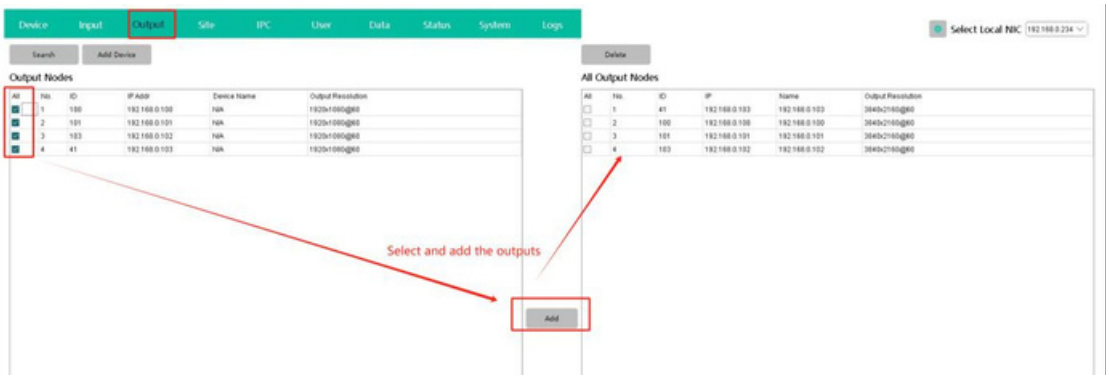
Create group is for having different source groups

Sources management: select the sources to delete, adjust order etc

Property is for check out the sources mainstream/substream, url address

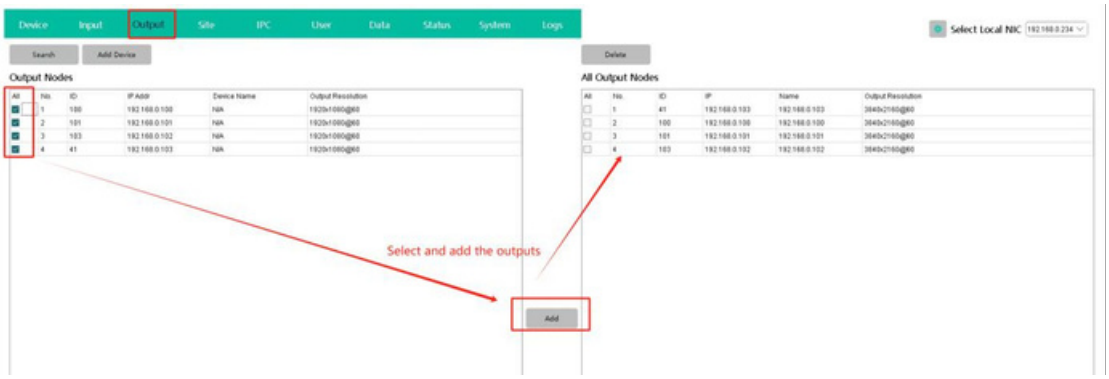
Output: after setting the device IP/ID/working type as decoders, then add them as outputs

Search to find all decoder, then click add to the right side

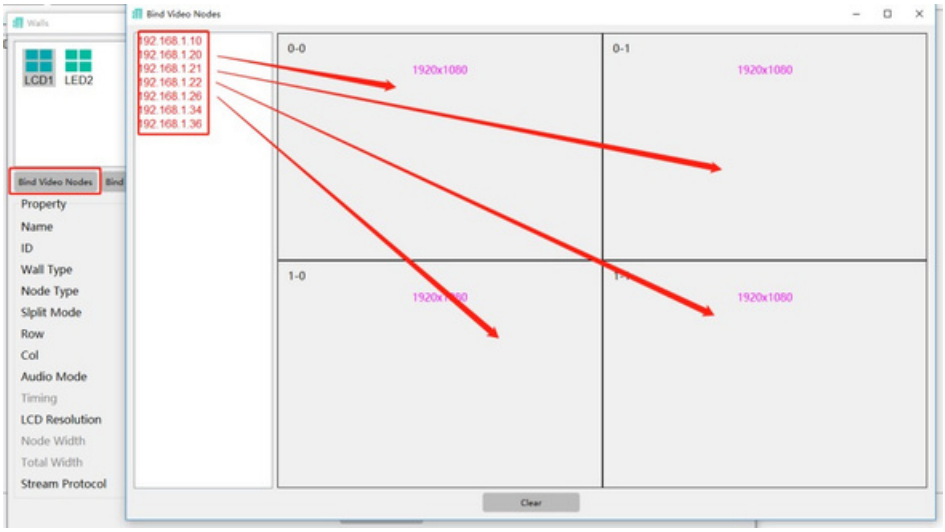


Site: for creating the video wall, matrix etc

To create a LCD video wall: site---walls--name---ID---Wall type(LCD/LED)---VW row/col----Create

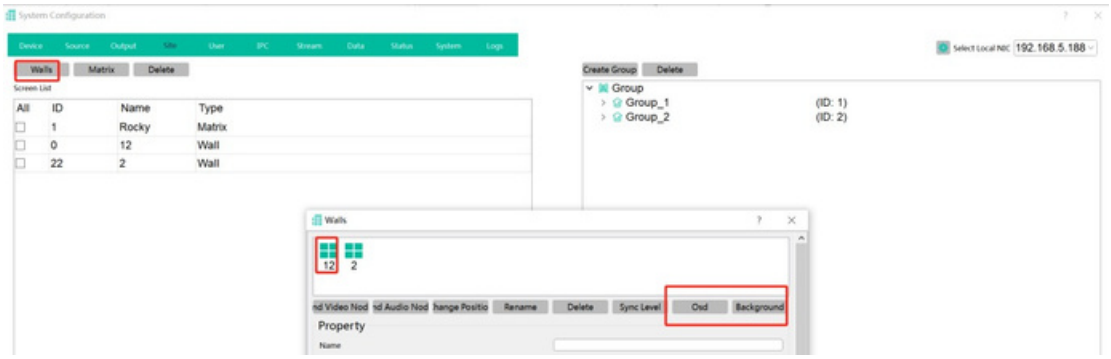


Next step will need to bind the Decoders with this new created VW: Drag the decoder IP address one by one to the video wall box on the right side:

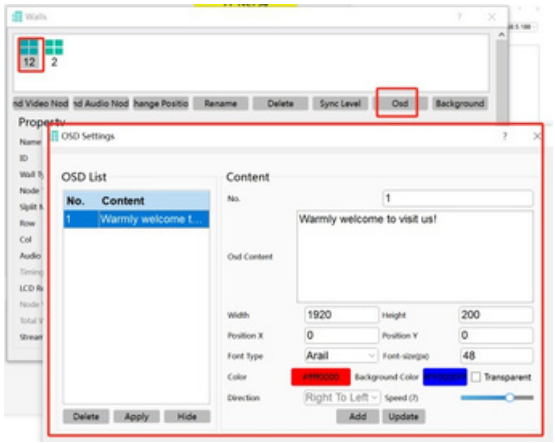


After created the video wall and bind the nodes, can select the “Walls” and chooseasepecific wall to set the Osd(scrolling text) and background image functions:

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Osd(Scrolling text) function:

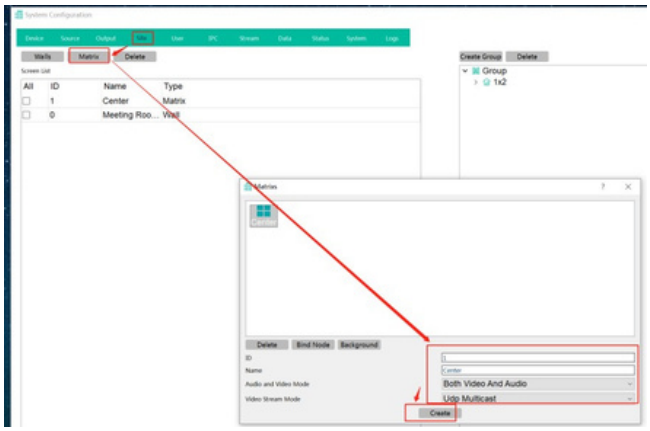


Background image function:

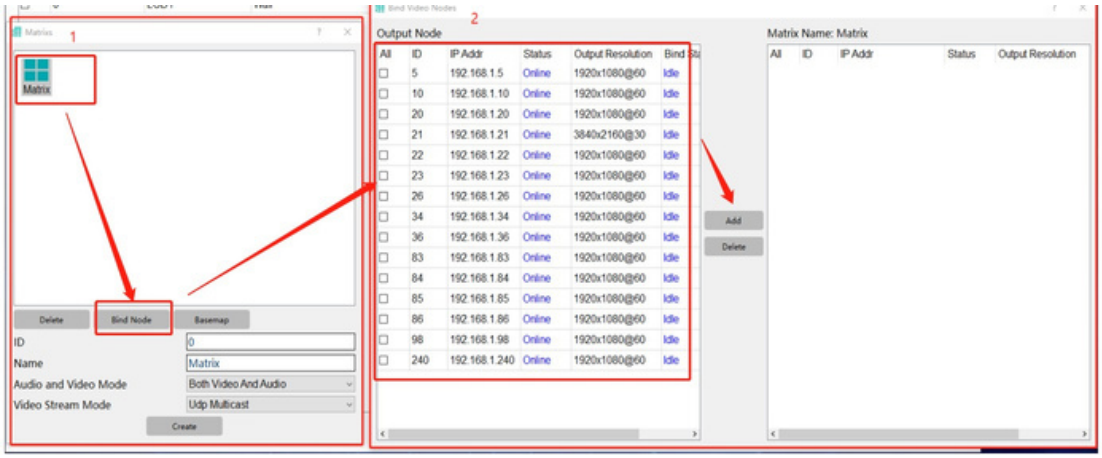


To create Matrix: site---matrix--name---ID----Create

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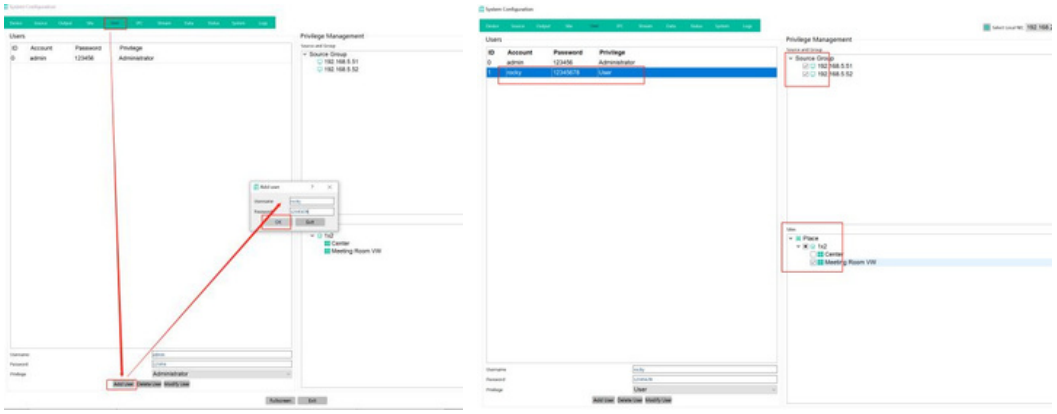
Then select the Matrix to bind the decoders



User: for adding different users with different level rights

Add user: User----Add user----name/password---OK

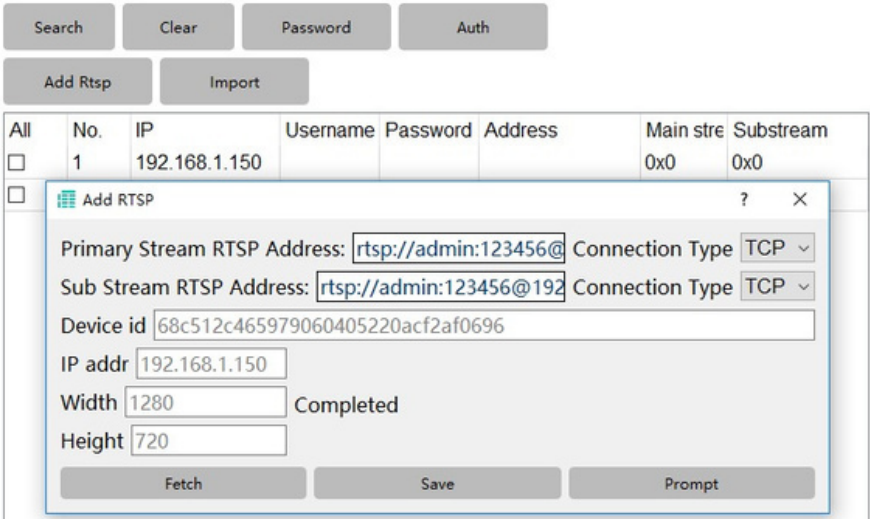
Give the user level right: double click the new added user, choose the source and site for this user.



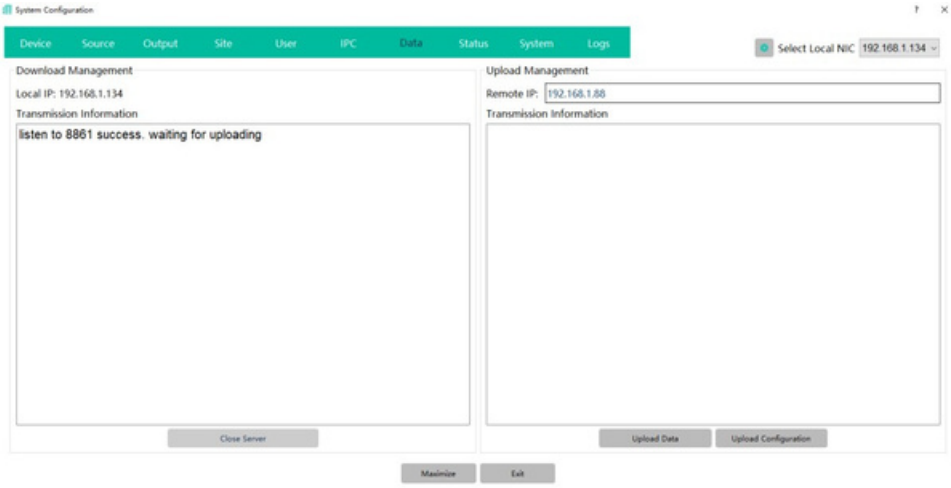
I**PC:** for adding the IP cameras

Click search to find all the same LAN IP cameras.

Use add RTSP mainstream to add



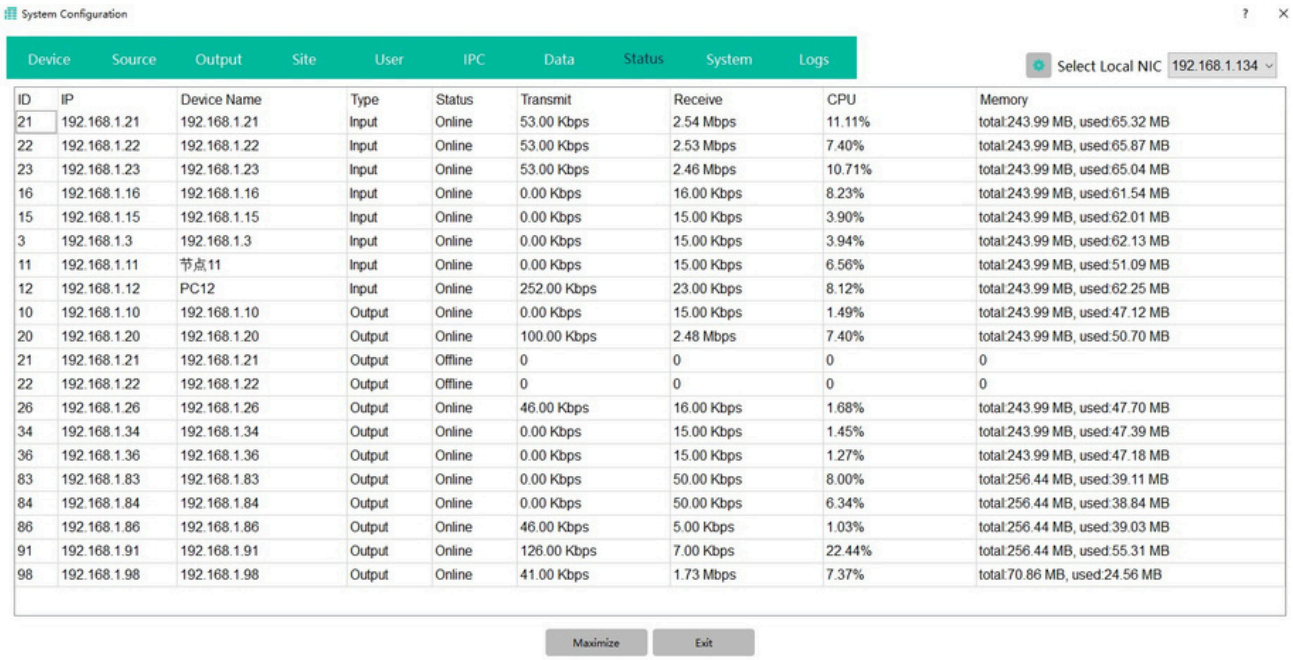
Data: for uploading the data/configuration to different control devices



①Open/closer Server is for the other control devices to send data to this control device, need to keep it as Open status for data downloading.

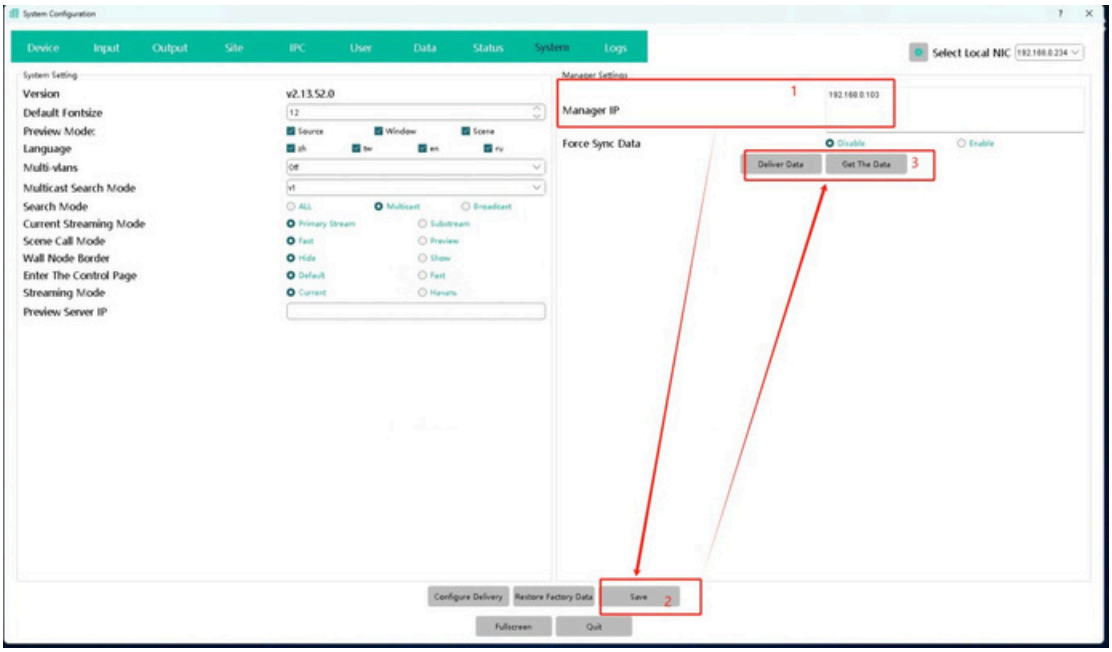
②Upload Data/configuration is for upload the current control PC to the other control devices, also need the other device is with Open server status.

Status: for the devices' working status checking/dispaly



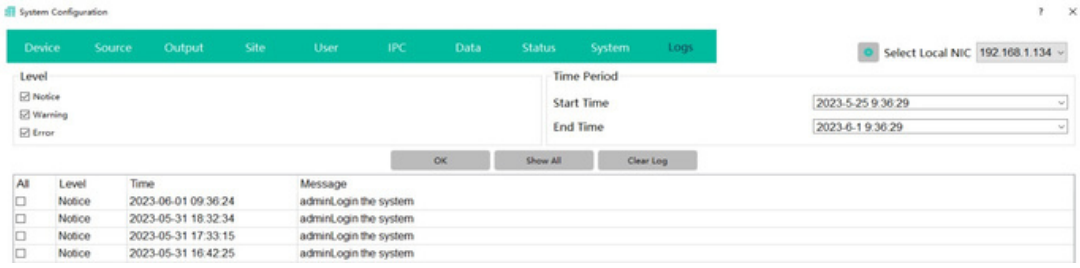
ID	IP	Device Name	Type	Status	Transmit	Receive	CPU	Memory
21	192.168.1.21	192.168.1.21	Input	Online	53.00 Kbps	2.54 Mbps	11.11%	total:243.99 MB, used:65.32 MB
22	192.168.1.22	192.168.1.22	Input	Online	53.00 Kbps	2.53 Mbps	7.40%	total:243.99 MB, used:65.87 MB
23	192.168.1.23	192.168.1.23	Input	Online	53.00 Kbps	2.46 Mbps	10.71%	total:243.99 MB, used:65.04 MB
16	192.168.1.16	192.168.1.16	Input	Online	0.00 Kbps	16.00 Kbps	8.23%	total:243.99 MB, used:61.54 MB
15	192.168.1.15	192.168.1.15	Input	Online	0.00 Kbps	15.00 Kbps	3.90%	total:243.99 MB, used:62.01 MB
3	192.168.1.3	192.168.1.3	Input	Online	0.00 Kbps	15.00 Kbps	3.94%	total:243.99 MB, used:62.13 MB
11	192.168.1.11	节点11	Input	Online	0.00 Kbps	15.00 Kbps	6.56%	total:243.99 MB, used:51.09 MB
12	192.168.1.12	PC12	Input	Online	252.00 Kbps	23.00 Kbps	8.12%	total:243.99 MB, used:62.25 MB
10	192.168.1.10	192.168.1.10	Output	Online	0.00 Kbps	15.00 Kbps	1.49%	total:243.99 MB, used:47.12 MB
20	192.168.1.20	192.168.1.20	Output	Online	100.00 Kbps	2.48 Mbps	7.40%	total:243.99 MB, used:50.70 MB
21	192.168.1.21	192.168.1.21	Output	Offline	0	0	0	0
22	192.168.1.22	192.168.1.22	Output	Offline	0	0	0	0
26	192.168.1.26	192.168.1.26	Output	Online	46.00 Kbps	16.00 Kbps	1.68%	total:243.99 MB, used:47.70 MB
34	192.168.1.34	192.168.1.34	Output	Online	0.00 Kbps	15.00 Kbps	1.45%	total:243.99 MB, used:47.39 MB
36	192.168.1.36	192.168.1.36	Output	Online	0.00 Kbps	15.00 Kbps	1.27%	total:243.99 MB, used:47.18 MB
83	192.168.1.83	192.168.1.83	Output	Online	0.00 Kbps	50.00 Kbps	8.00%	total:256.44 MB, used:39.11 MB
84	192.168.1.84	192.168.1.84	Output	Online	0.00 Kbps	50.00 Kbps	6.34%	total:256.44 MB, used:38.84 MB
86	192.168.1.86	192.168.1.86	Output	Online	46.00 Kbps	5.00 Kbps	1.03%	total:256.44 MB, used:39.03 MB
91	192.168.1.91	192.168.1.91	Output	Online	126.00 Kbps	7.00 Kbps	22.44%	total:256.44 MB, used:55.31 MB
98	192.168.1.98	192.168.1.98	Output	Online	41.00 Kbps	1.73 Mbps	7.37%	total:70.86 MB, used:24.56 MB

System: for the preview mode settings, manager etc

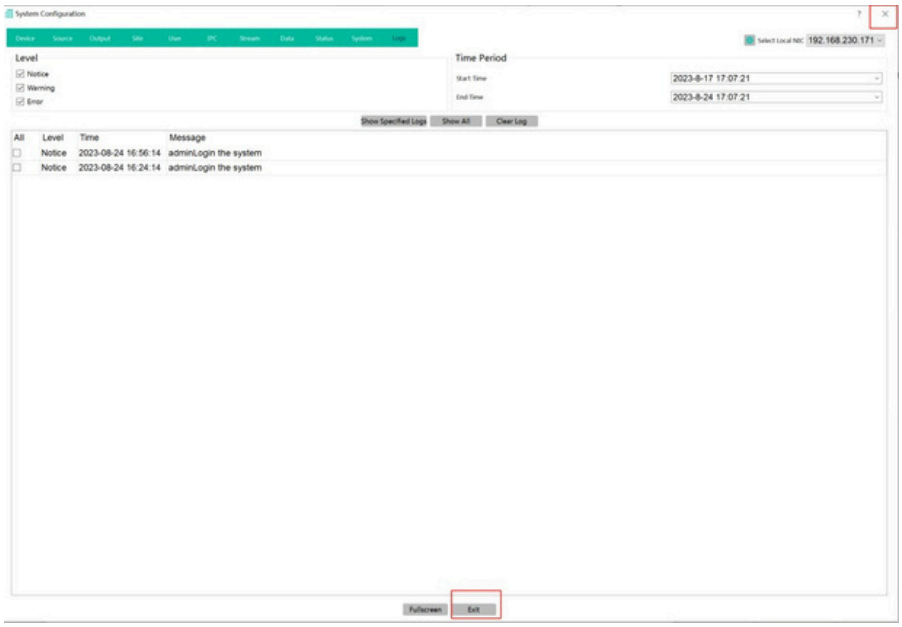


Manager setting here is for adding an IP address of to sync the data between the KVM workstation control or the other PC/APP DVSTool control sync, the Manager IP address here can be any of the Tx or RX IP address, just need to make sure all the control platforms are using the same IP address.

Logs: for the system operation logs records



After the system configuration settings, then can exit/close this setting page:



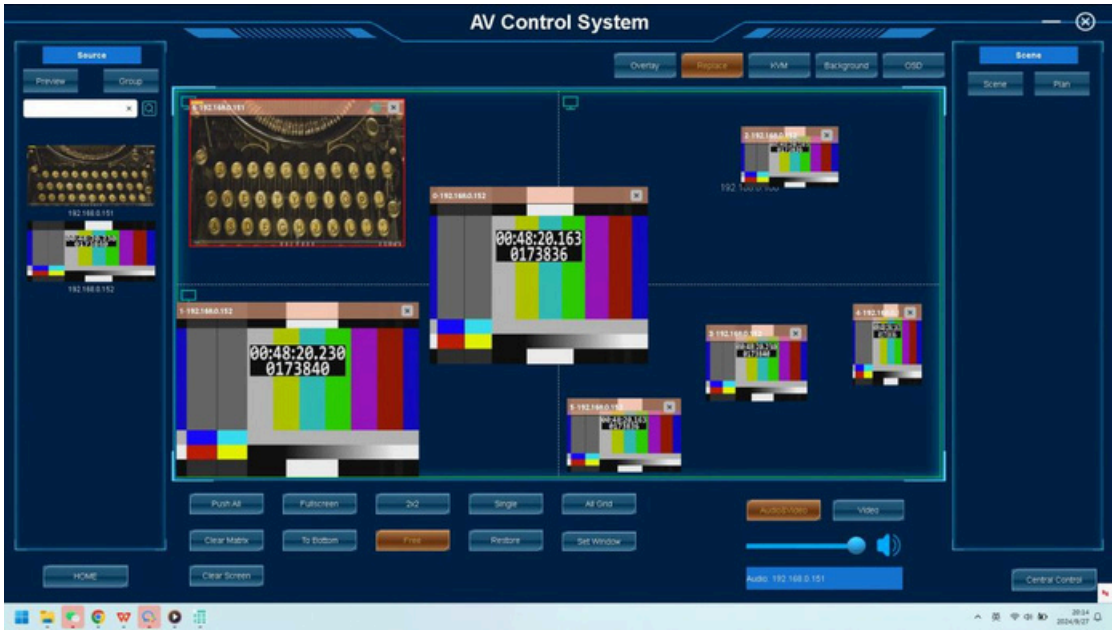
Then can click the site to start control the Video wall or matrix:



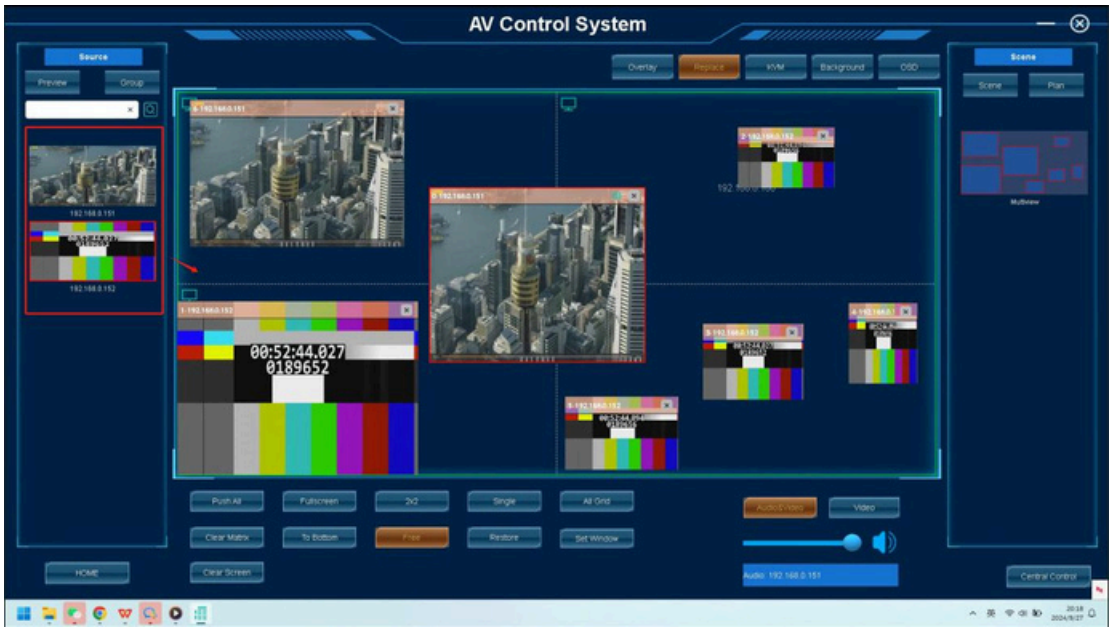
After click “Floor 1” site, it will show as below control interface:

*Note: the site names will be different, it’s showing accordingly to the actual system configurations.

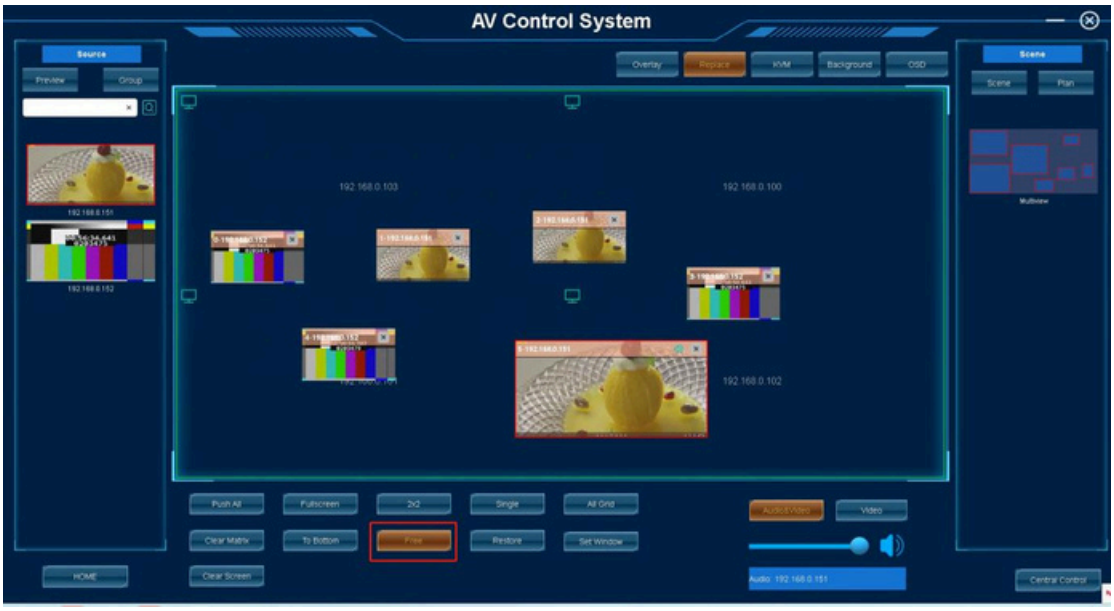
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This control interface will have the source list in preview or list mode, select the source and then can drag to the video wall control:



Under the video wall, there’re some function buttons:
Push all: means to switch one input source to all the screens
Fullscreen: means to set the video wall as a fullscreen when drag a source
Free: means to enable the free open window size and position on the video wall:



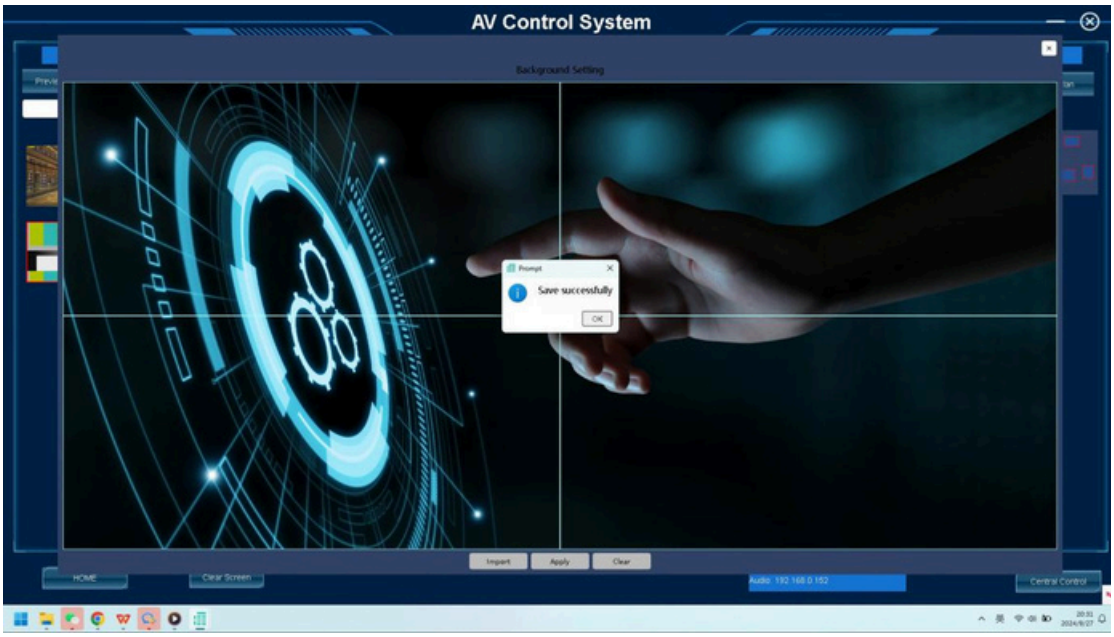
Restore: means to restore back from the free window mode:

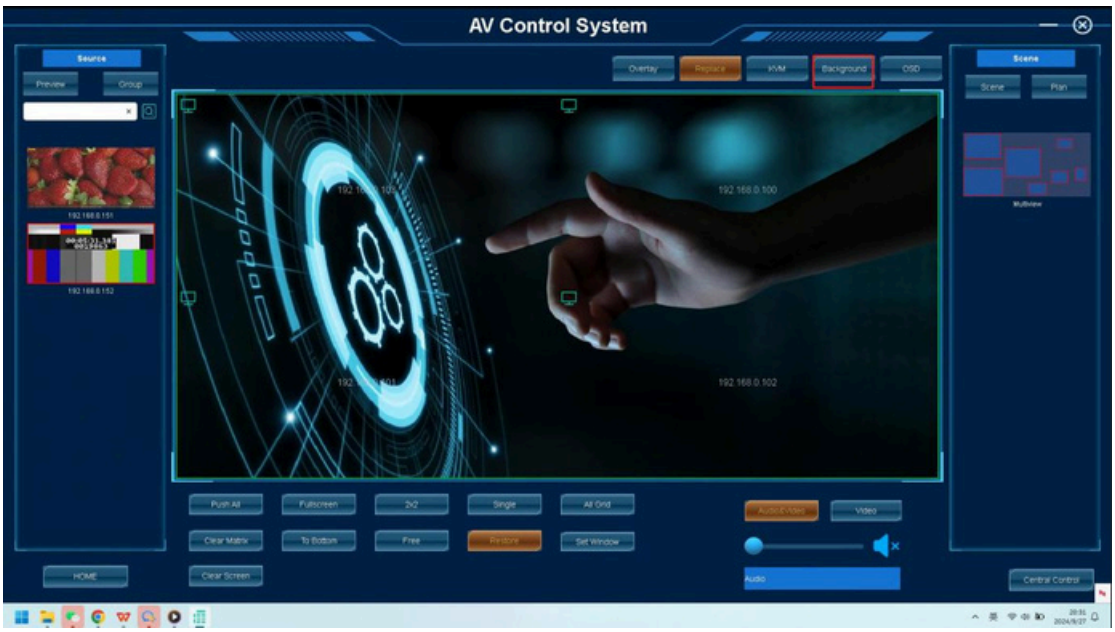
All grid is for setting/selecting the logic video wall grid for the video wall screens:



Background image for adding a background image when no window opened on the video wall:

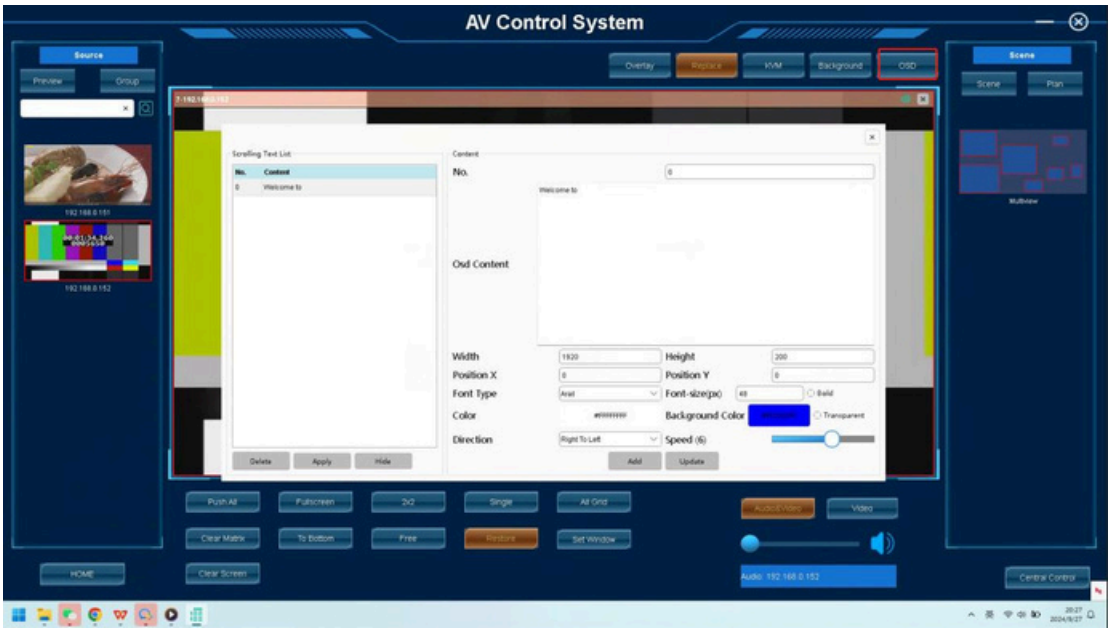
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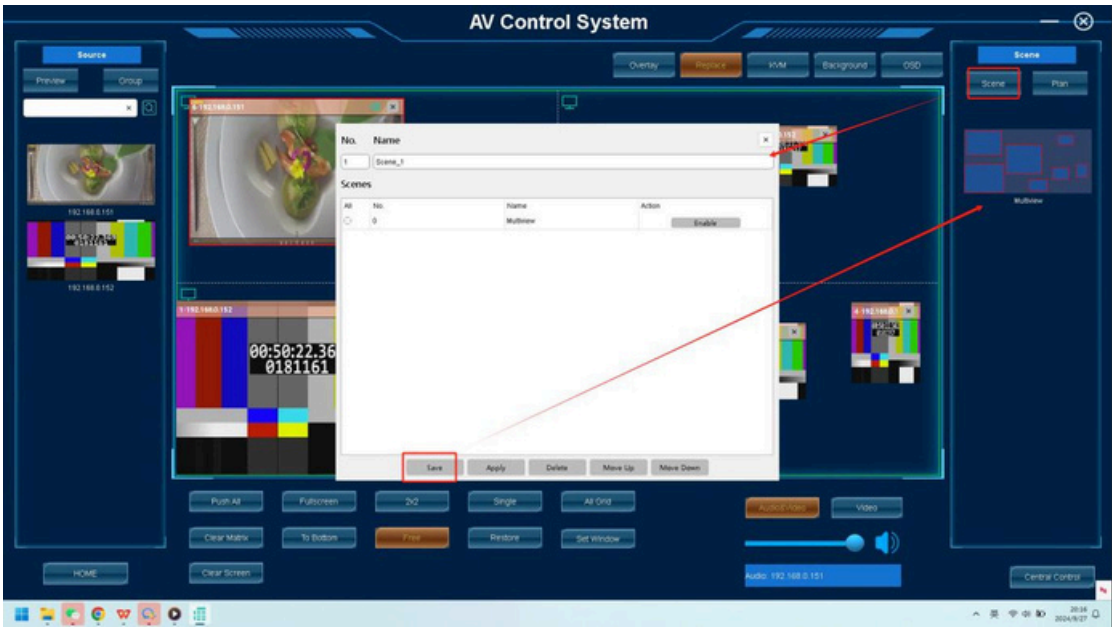


OSD is for the scrolling text function:

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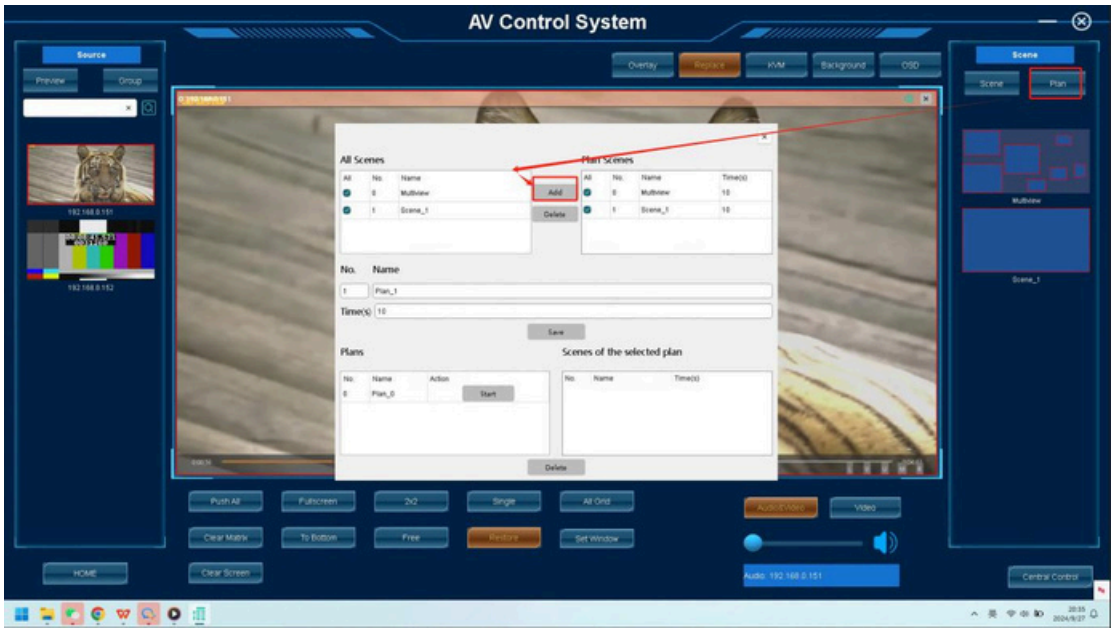


Save and recall the scenes

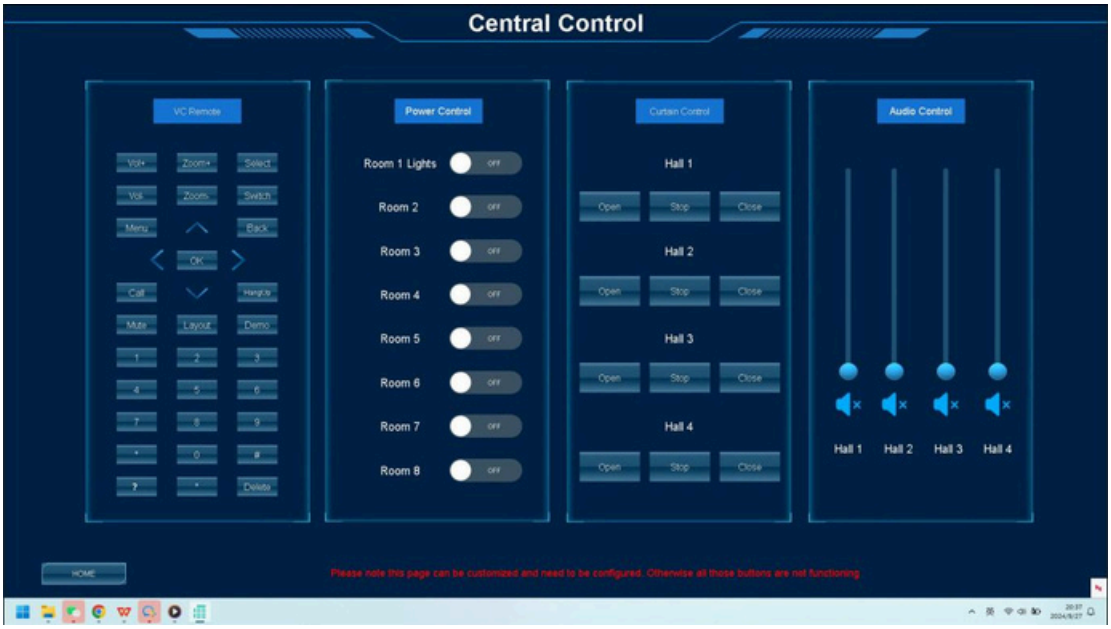


Plan is for polling/cycling the saved scenes

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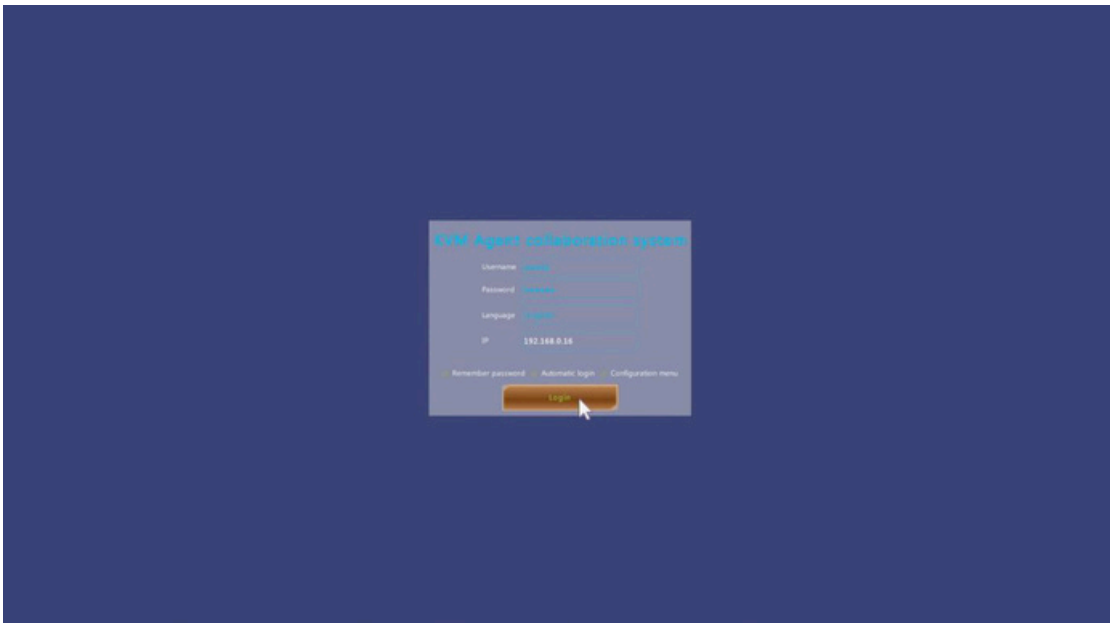
The Central control page will need to configure with the central control ports on the TX and RX devices, then can use the EditTool software to change/customize this UI accordingly.



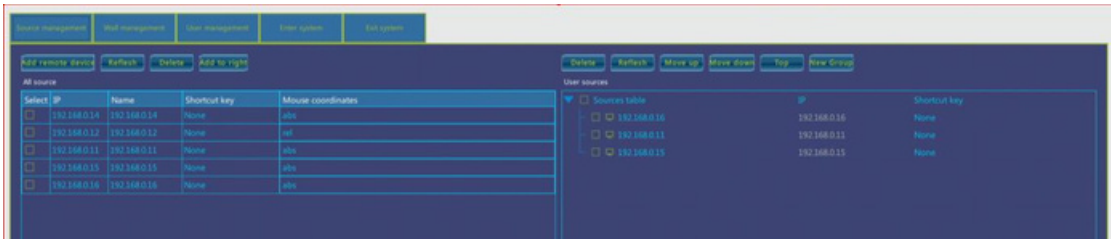
2. KVM workstation control

These2 models can support theKVM workstation control, before using the KVM workstation control, need to have the make sure the KVM units are upgraded with the KVM firmware or it's pre-upgraded in the factory.

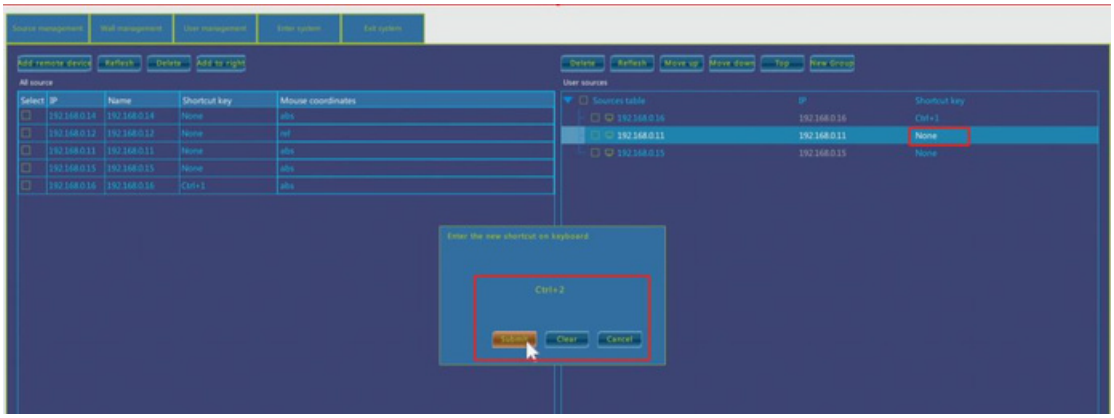
After have the KVM unit connected to the display, it will be showing as below login interface on the display:



Make sure the KVM unit is with the keyboard and mouse plugged in correctly, enter the user name and password to login, the default username is admin, password is 123456. After login, it will be showing:

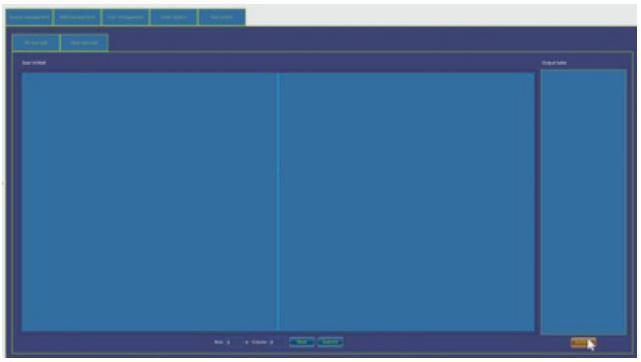


Can set the source switching hot-key from here:

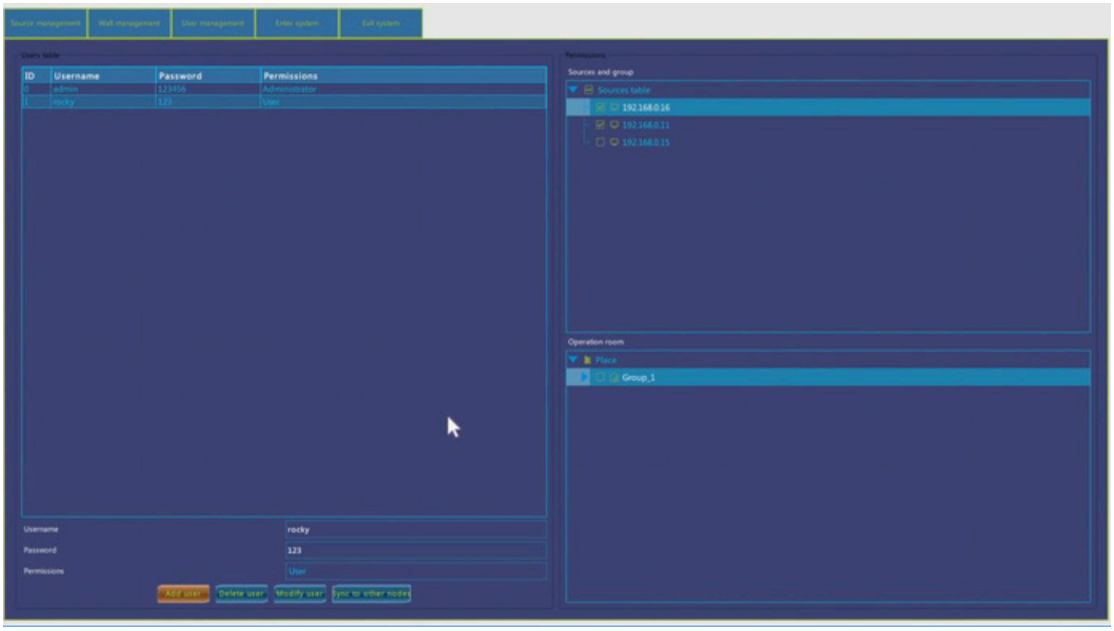


Source Management: for source add/refresh/Delete/Add to right(for adding the source to the KVM control)

Wall Management: For the KVM workstation seat wall management. Can click “Refresh” button to find the exist KVM seat wall or click “New seat wall” to add/create new KVM seat wall.



User Management: for adding/deleting/modifying users, and selecting thesources or specific operation rooms for the users.

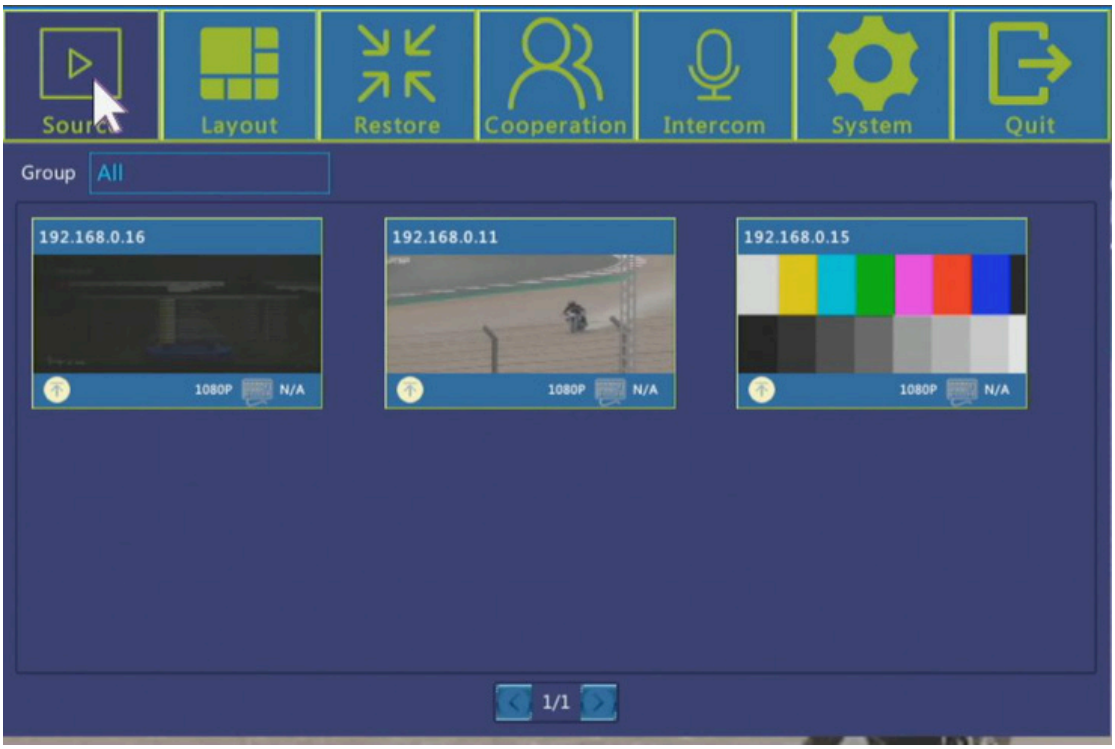


Enter/Exit System: to enter or exit the KVM control system.
Choose to Enter system, it will show as below, the top bar is with OSD menu, once operators move the mouse to this OSD button and click it, it will be showing the KVM OSD menu:
Source, Preview, Layout, Cooperation, Intercom, System, Quit:



Click the “**Source**” button: it will show all the added sources with preview:

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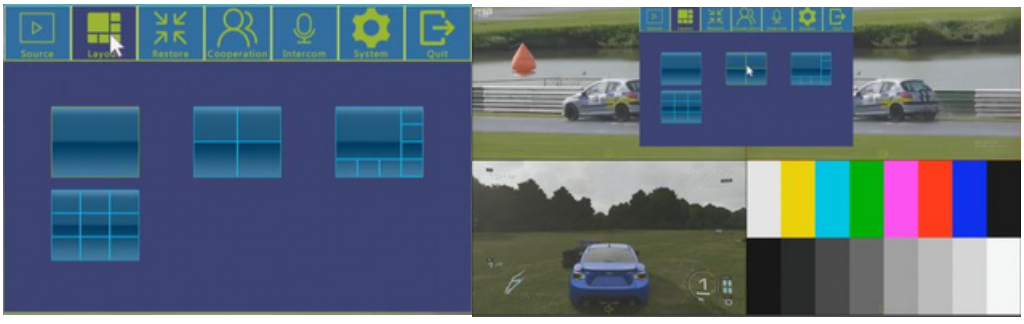
Then use the mouse the click one of the source and the mouse will change to a targeting icon, and then can click the KVM workstation monitor for the source switching:







The “**Layout**” button is for selecting the KVM workstation monitor as single-window, quad-view, 8-window or 9-window layout.

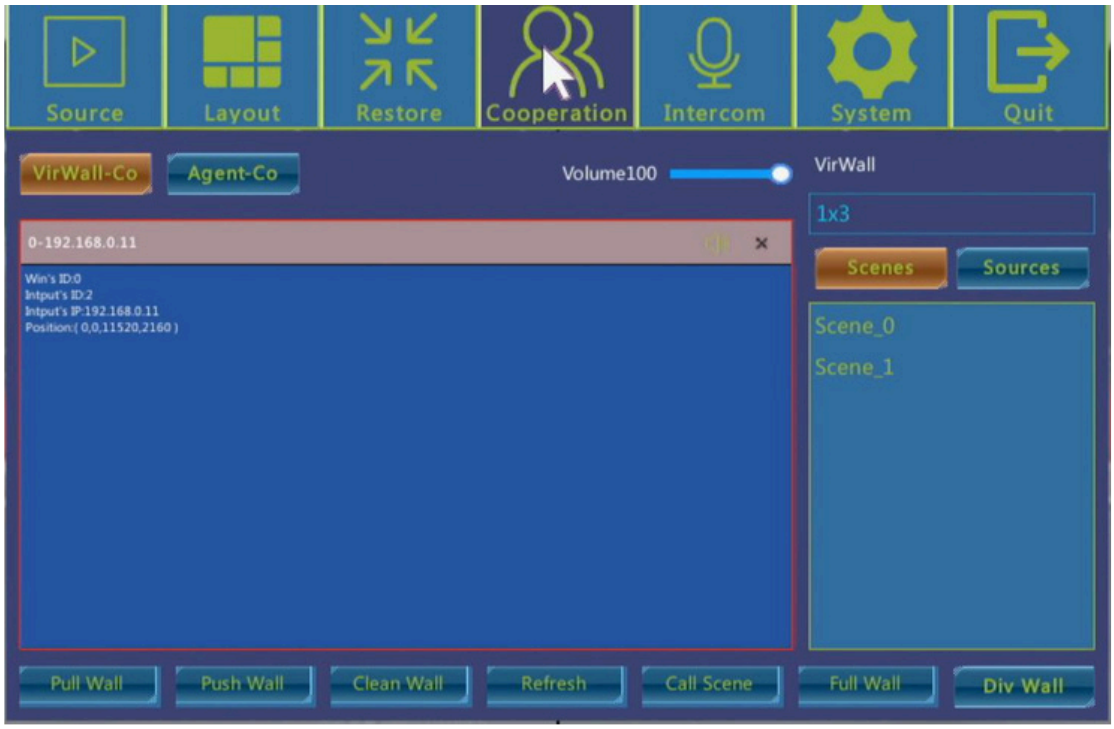


The “**Restore**” button here is for restore back tothe previous layout.
Such as when the KVM workstation monitor is showing as quad-view, then double-click one of the

window, it will become a fullscreen



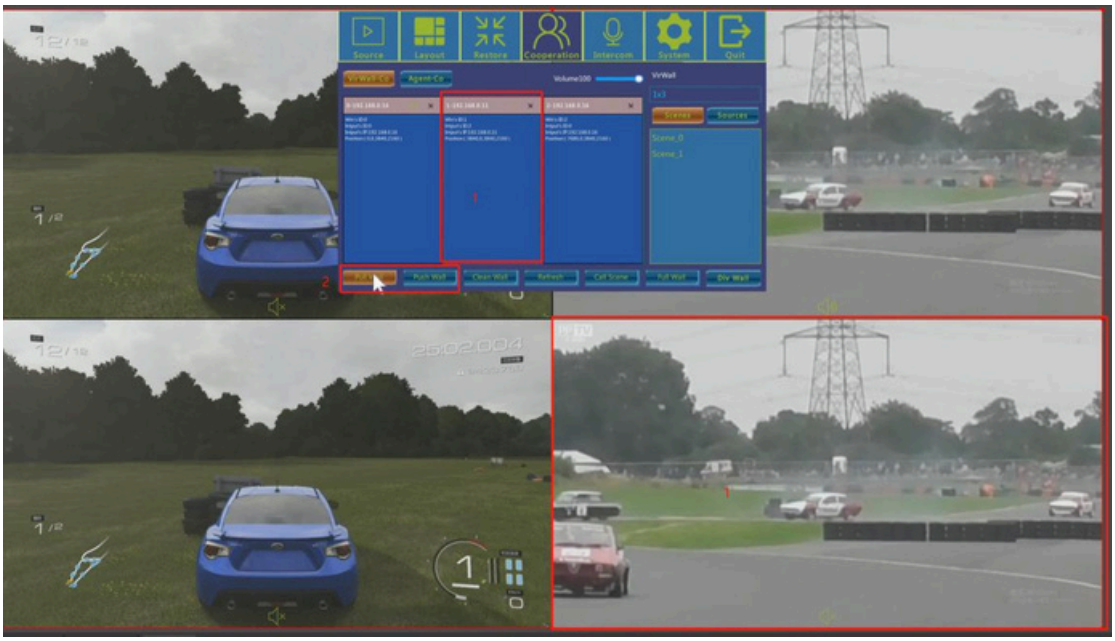
Cooperation is for video wall control, pull/pushvideo wall window, clean VW, recall scenes, scene/source list:



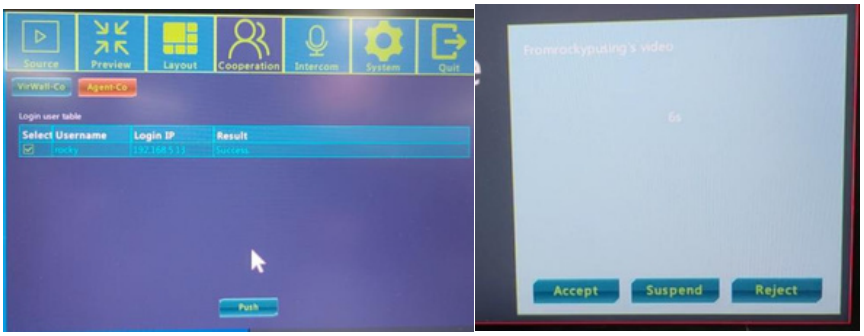
*If the Virwall-co didn't see the Viwall options, scenes or sources, need to use the DVSTool software to setup those configurations.

*When pull/push content, need to select a specific window on the video wall.

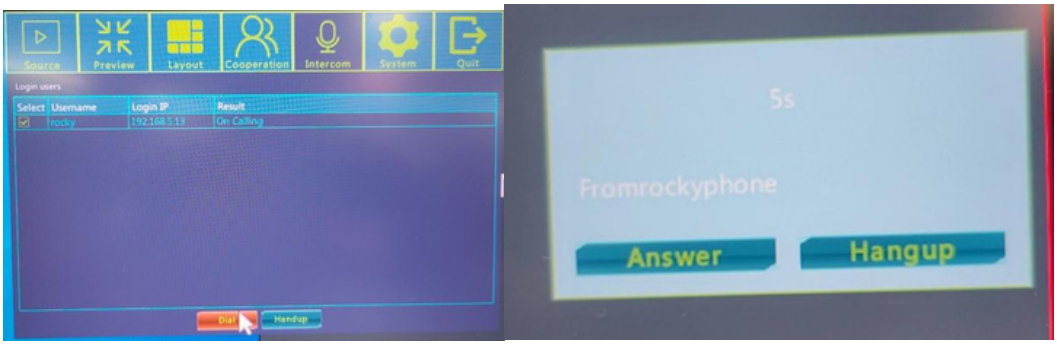
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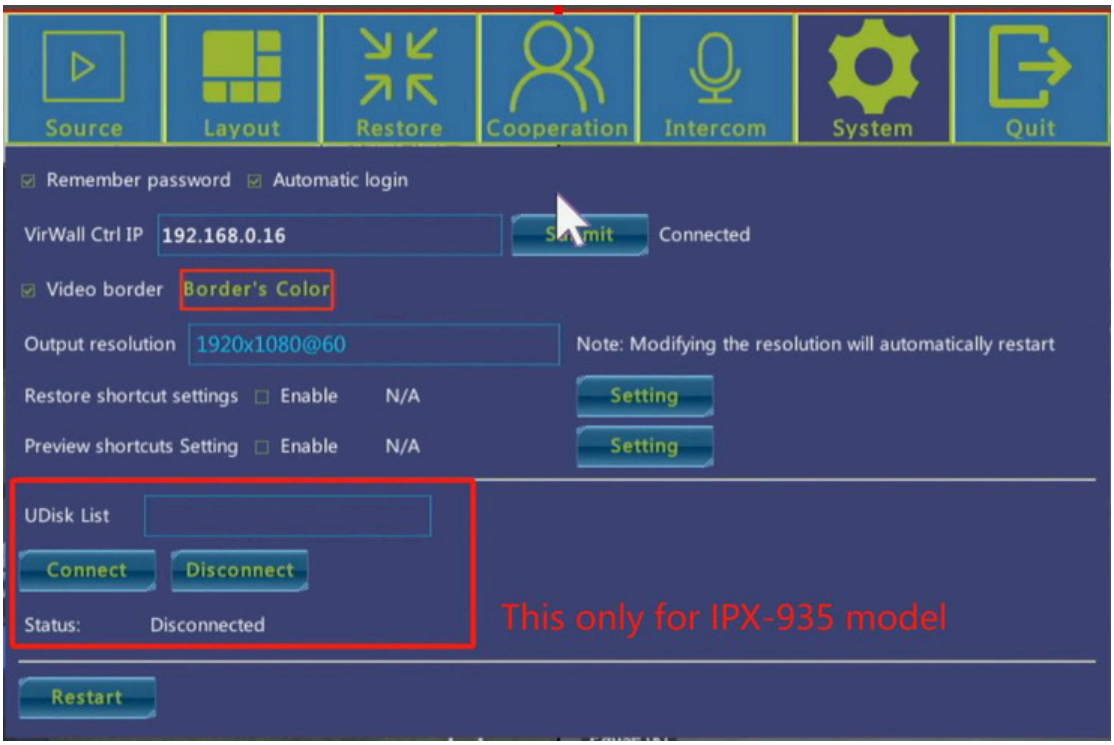
Agent-Co is for when multiple KVM operators to push contents to each other. This will need at least 2 workstation devices are connected in the same system:



Intercom is for multiple KVM operators to dial each other



System is for the password remember/auto login and Videowall IP address(for VW control sync) settings.



Quit is to log out the KVM control system.