Jupiter

J400/J600 Client Manual

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Acknowledgments

Conventions Used in this Manual

Labels from the user Interface (UI) are **bolded** to make it easier to follow instructions. If you see a **bolded** word or set of words, look for the label in the UI. Where possible tabs and dialog boxes are named in instructions as markers so you know you are in the right place.

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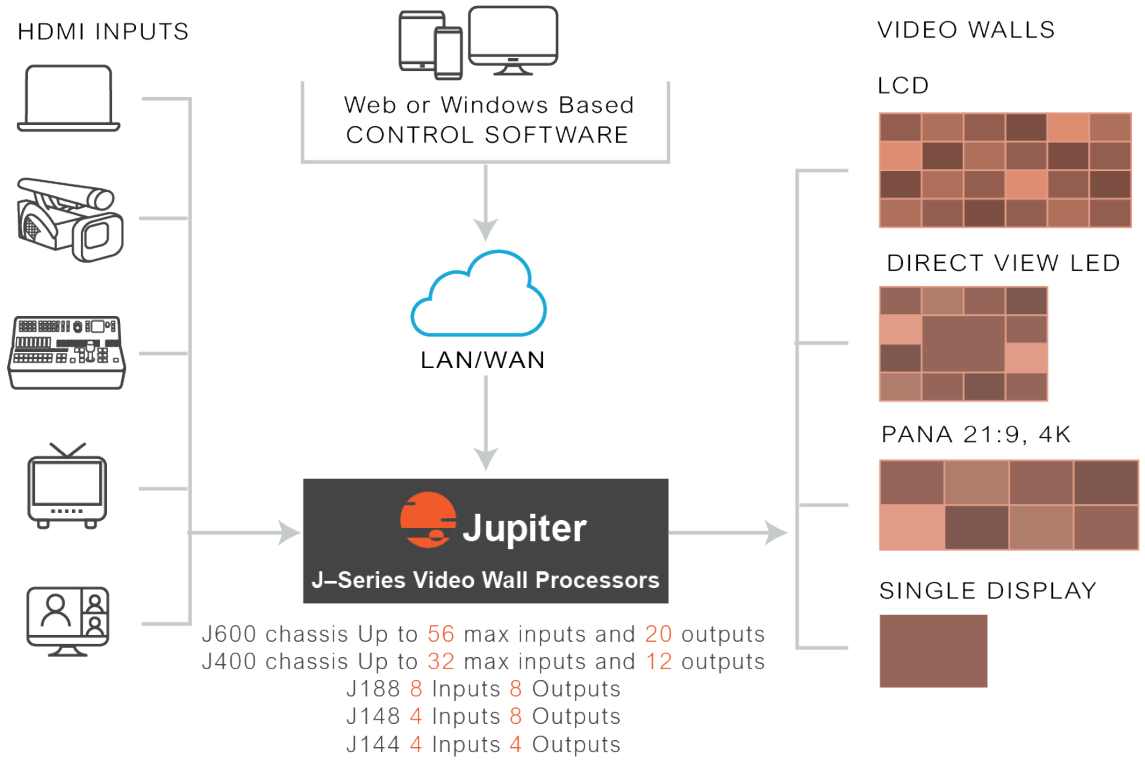
Chapter 1
INTRODUCTION

Jupiter Systems J-Series Video Wall Controllers (referred as J-Series hereafter), are a family of highly stable video wall processors which fully support 4K UHD inputs and outputs.

Video wall controllers take video inputs and provide the means to arranging video streams on a display or series of displays, cropping video streams and other alterations and additions like adding station logos.

Figure 1.1: J-Series architecture



J-Series solutions are based on a simple yet powerful concept. Simply rename all the sources, configure the geometry of the video wall to match the displays and the system is done with the configuration. The web based configuration and management tool makes set up a snap.

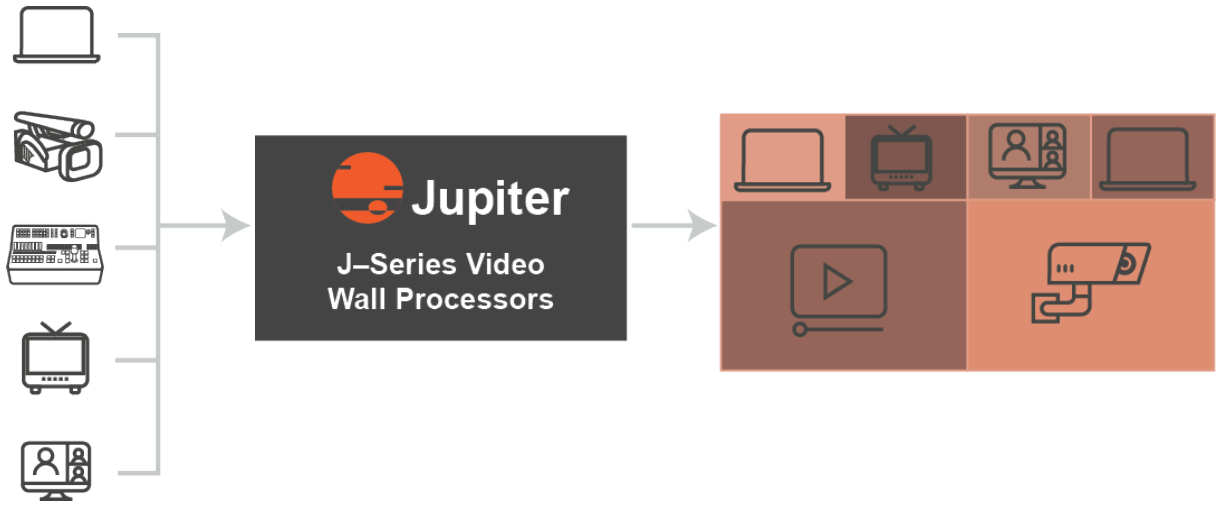
1.1 J-Series Video Wall Controllers

The J-Series family has models which support from four inputs and four outputs to 56 inputs and 20 outputs. Each J-Series model supports a different amount of inputs and outputs.

The J400 and J600 modular chassis support multiple boards, so have many different input and output port configurations. The J400 and J600 modular chassis are controlled via the J400/J600 Client which is a Web-based client.

The J100 models have a fixed number of input and output ports from four to eight inputs and four to eight outputs. The J144 has four inputs, four outputs. The J148 has four inputs, four outputs, The J188 has eight inputs and eight outputs. The J100 models are controlled via J100 Client which is a Windows application.

Figure 1.2: Video Wall Controllers: input streams to display devices



1.2 J400/J600 Software

The modular J400 and J600 J-Series Video Wall Controllers (JVWC) use the J400/J600 Client for configuring the content for video walls (or even one display, multiple displays are not required).

The control method is web based and the operation is flexible and intuitive. Users are able to check real-time operating status, hardware temperature, warnings and the auto adjusted fan speed information via the GUI web-based software.

The J400/J600 can be managed via

- J400/J600 Client
- API based for control systems (see *J-Series Video Wall Controller API Manual*)

The J400/J600 Client provides

- Full J400/J600 status
- Ease of control of multiple video walls

Chapter 2

J400/J600 WEB CLIENT LOGIN

Configurable items which support the dashboard are accessed via the Settings icon on the System Tool Bar. For an understanding of the layout of the user interface, please see *Chapter 3, Mimic Dashboard on page 5*.

Once you login to the J400/J600 Client for the JVWC you should set new user name and password for the admin user and create usernames and passwords for other users. Please see *Section 5.3, Users on page 41*.

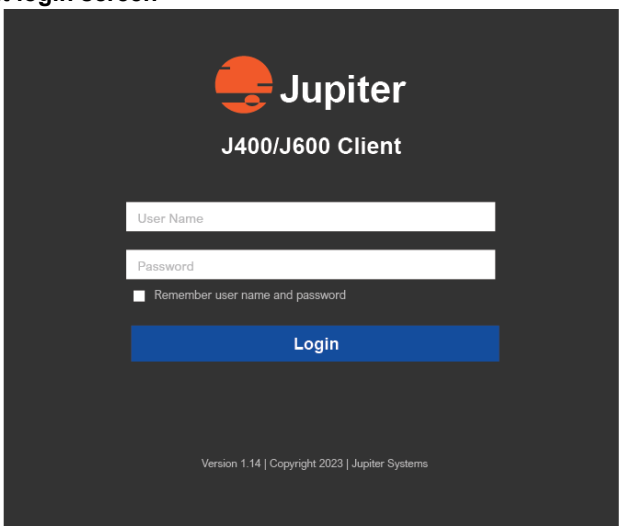
2.1 Default Login Credentials

Table 1: Default Login Credentials

Default IP Address	10.2.1.100
Username	admin
Password	Jupiter@1

2.2 Login

Figure 2.1: J400/J600 Client login screen



To change the IP address see *Section 5.4, System Config on page 44*.

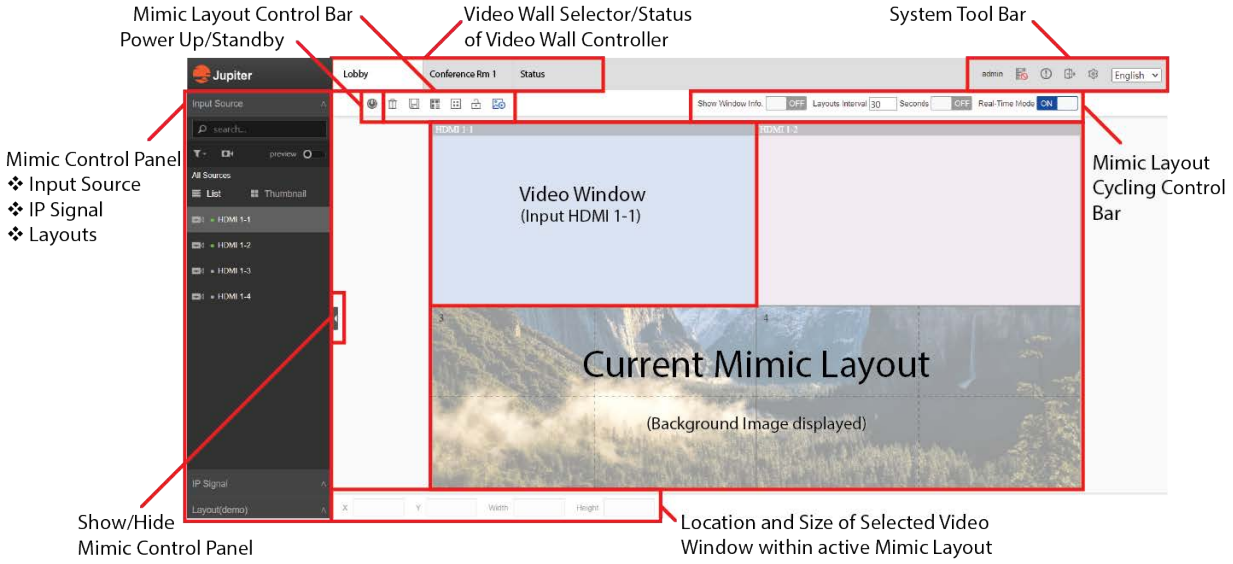
Note: When changing the IP address from the default IP address, please write down the new IP address. There is no way to reset the machine back to the factory default from the J400/J600 Client.

You can access the Control Board on the J400/J600 Chassis via a serial connection. The RNET (retrieve network information) and SNET (set network) commands may be used to retrieve and set network so you may access it via the J400/J600 Client. See the J-Series Video Wall Controller API Manual for more detail.

Chapter 3
MIMIC DASHBOARD

With the J400/J600 Web-based flexible and intuitive management, users can see the video wall layout, additional layouts as well as check the real-time operating status, hardware temperature, alarms, warning hints and the auto-adjusted fan speed information from the Mimic dashboard.

Figure 3.1: The Mimic Dashboard



Configurable items which support the dashboard are accessed via the **Settings** icon on the System Tool Bar. For an understanding of the layout of the user interface, please see *Section 3.1, Mimic Dashboard Layout on page 7*.

The Mimic dashboard is the main screen for the J400/J600 Client. Not only does this dashboard provide for adding input to the screen with many controls to adjust, but also provides visibility to the functioning of the J-Series Video Wall Controller.

For configuration information about creating a video wall:

- *Add an Input Source to a Layout on page 7*
- *Create a New Mimic Layout on page 17*
- *Edit an Existing Mimic Layout on page 17*
- *Add Background Image to a Layout on page 29*
- *Set Custom Resolution on page 38*

For information about checking the status of the J-Series Video Wall Controller see *Section 3.5.2, J400/J600 Status on page 21*.

3.1 Mimic Dashboard Layout

The Mimic Layout shows the selected Mimic layout for the video wall. With the Mimic Layout you define where video input will be displayed on the video wall.

From the Mimic Dashboard, you drag and drop input source to the Mimic Layout. Once the input source is dropped on the layout it can be moved, sized, and brought in front of or behind other inputs.

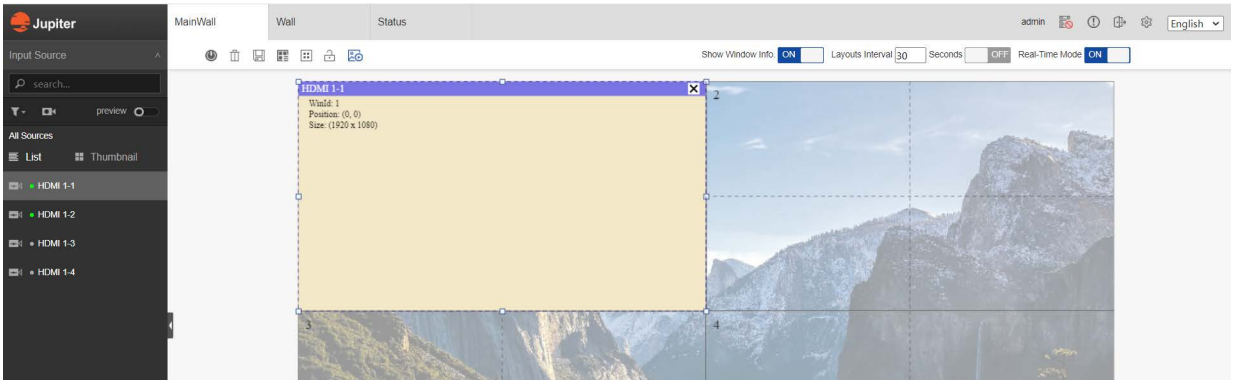
Upon login, the J400/J600 Client displays the Mimic Dashboard. By default a 2x2 video wall is displayed. Configuration options are shown in *Section 4.1, Video Wall Configuration on page 26*.

Add an Input Source to a Layout

Input sources are auto-discovered from the J400/J600.

1 *From the* **Input Source** *section of the Mimic Control Panel, click and drag the input source onto the Mimic Layout.*

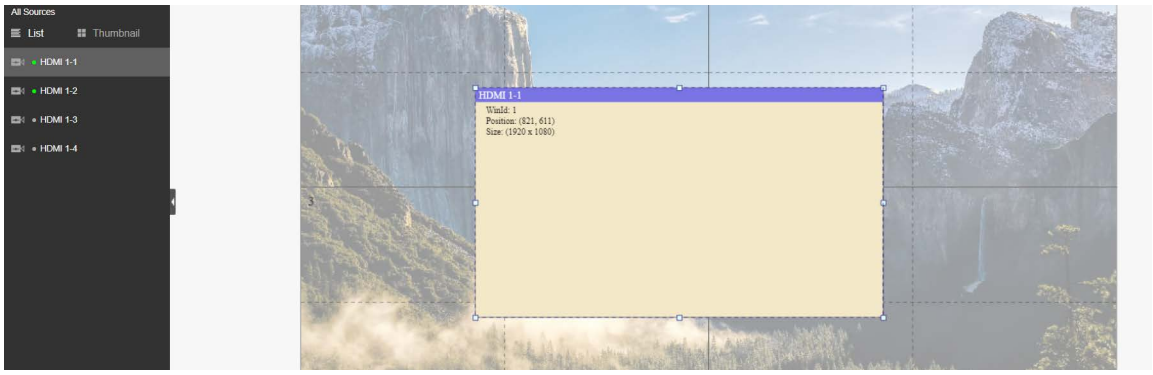
2 *Drop the input source on the Mimic Layout.*



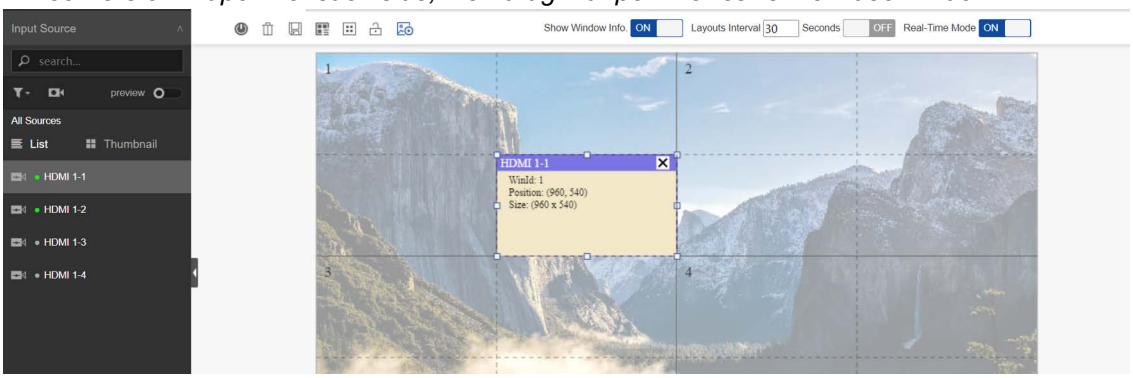
The input video window will snap to the grid. However once the video window is dropped you may re-position it.

3 *Reposition or resize the video window.*

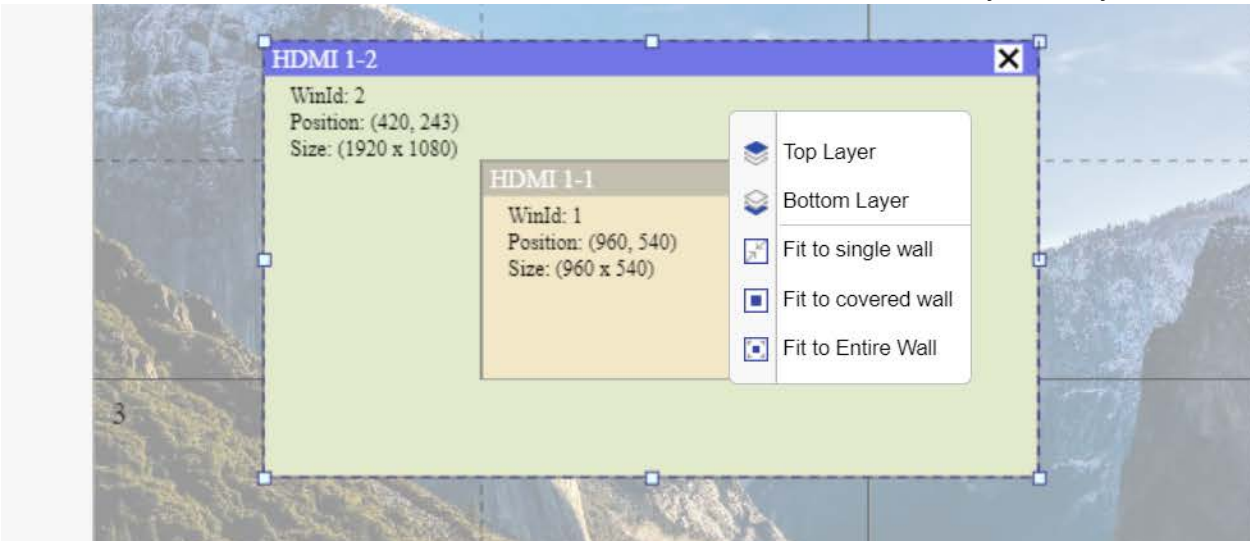
a *Move the input by clicking on it and drag it around the layout. Drop it by releasing the mouse button.*



b *Resize the video window by clicking it, then size it by clicking one of the selection points on the corners or midpoint of each side, then drag that point to resize the video window.*



c *Put the video window in front or behind video windows which are already in the layout.*



3.2 Mimic Control Pane

The Mimic Control pane has three sections:

- *Section 3.2.1, Input Source on page 11*
- *Section 3.2.2, IP Signal on page 16*
- *Section 3.2.3, Layouts on page 16*

Note: Views of video content within the J400/J600 client requires the Preview Board. See *Section 4.3.1, Preview Board on page 30* for configuration directions.

Figure 3.2: Mimic with Preview

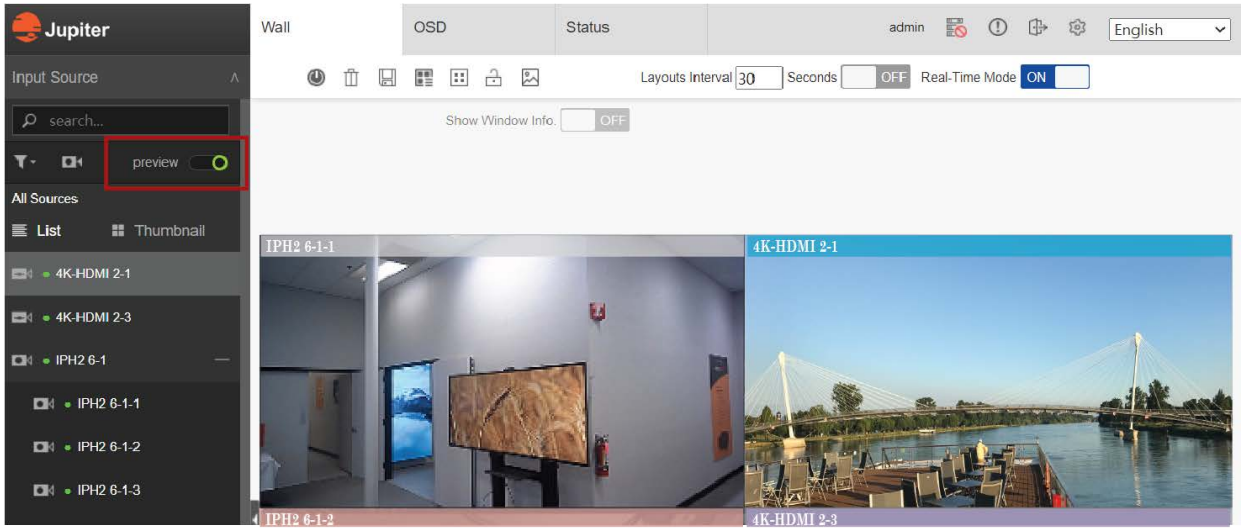


Figure 3.3: Mimic without Preview

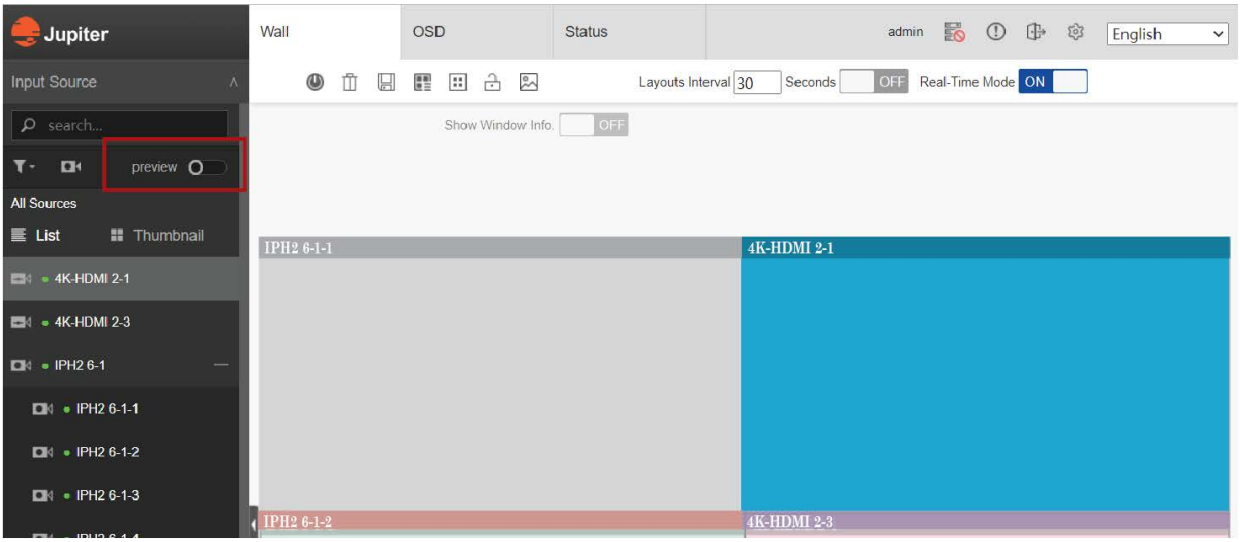


Figure 3.4: Three Sections of Mimic Control Panel With List and Thumbnail Views with Preview

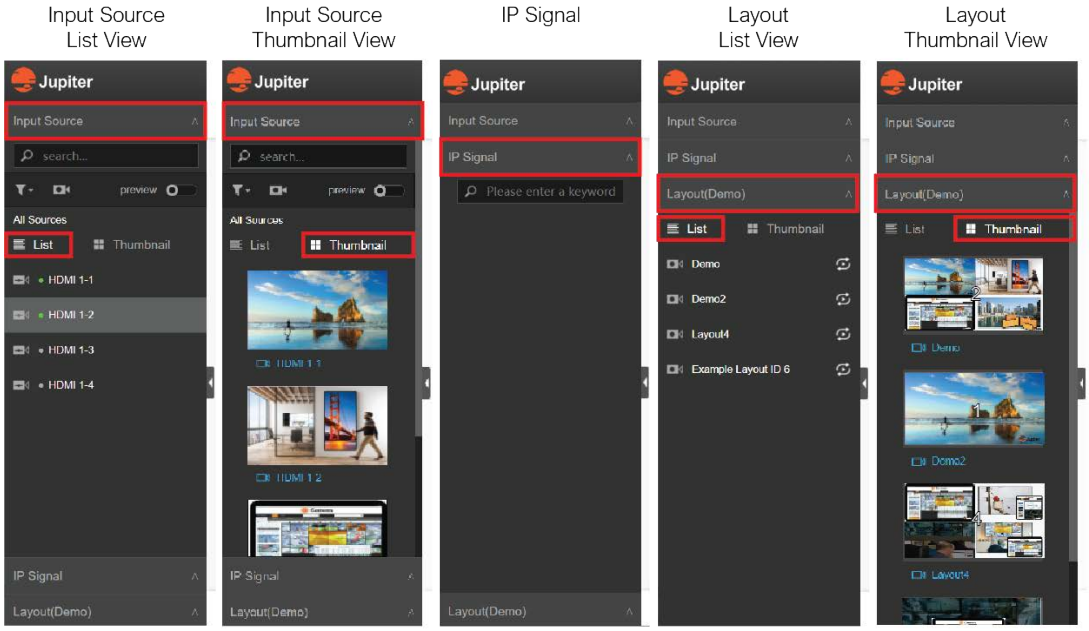
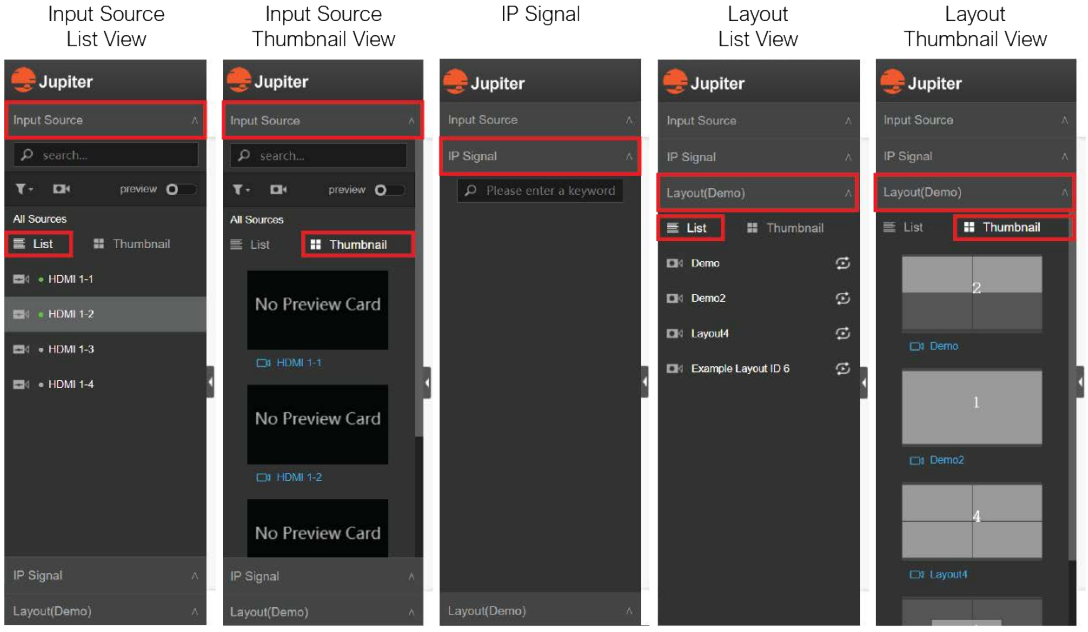


Figure 3.5: Three Sections of Mimic Control Panel With List and Thumbnail Views without Preview



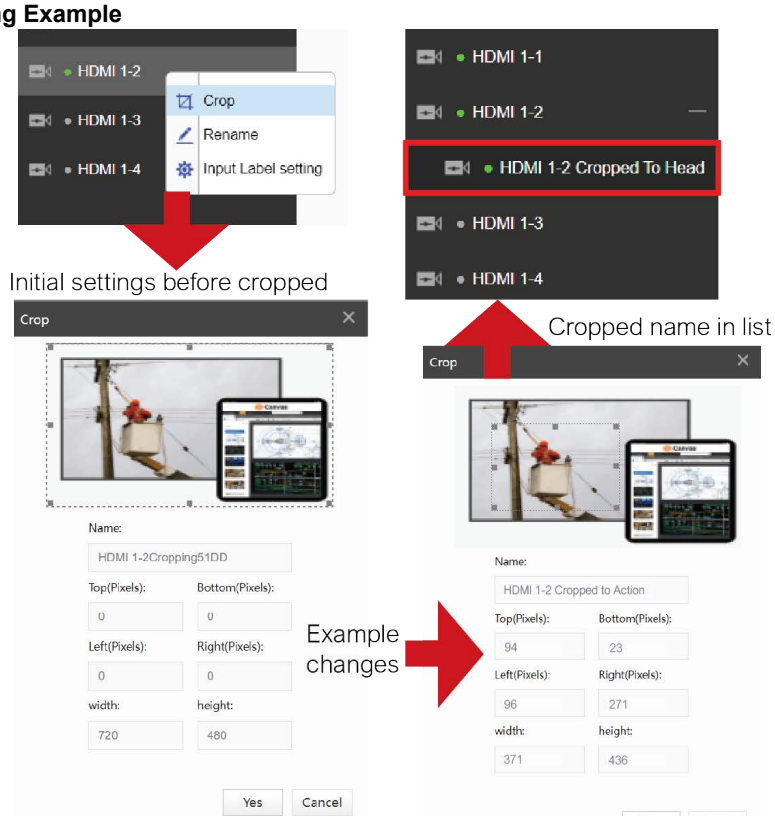
3.2.1 Input Source

Within the **Input Source** section of the Mimic Control Panel, not only can you drag inputs to put them in the layout, but you can also modify an input by

- Cropping (*Crop Input*)
- Renaming (*Rename Input Source on page 13*)
- Adding a label or graphic (*Add Label or Graphic to Video Window on page 14*)

3.2.1.1 Crop Input

Figure 3.6: Cropping Example



Creating a cropped input creates a sub-item for the existing input. This sub-item may then be dragged to the Mimic layout to create a new video window.

1. *In the* **Input Source** *section of the Mimic Control panel select the input source to crop*
2. *Right click the input source and select* **Crop**
3. *In the* **Name** *text box enter a name*

   This name will be displayed in the Input Source as a sub-item of the existing input source
4. *Using the six selection points on the dotted line cropping box, adjust the cropping*

   You may also alter the size and position of the cropping area by entering numbers in the Top, Bottom, Left, Right, Width, and Height fields as described in *Table 3.1. Crop Input Options*
5. *Click* **Yes**

Note: Views of video content within the J400/J600 Client requires the Preview Board. See *Section 4.3.1,*

Preview Board on page 30 for configuration directions.

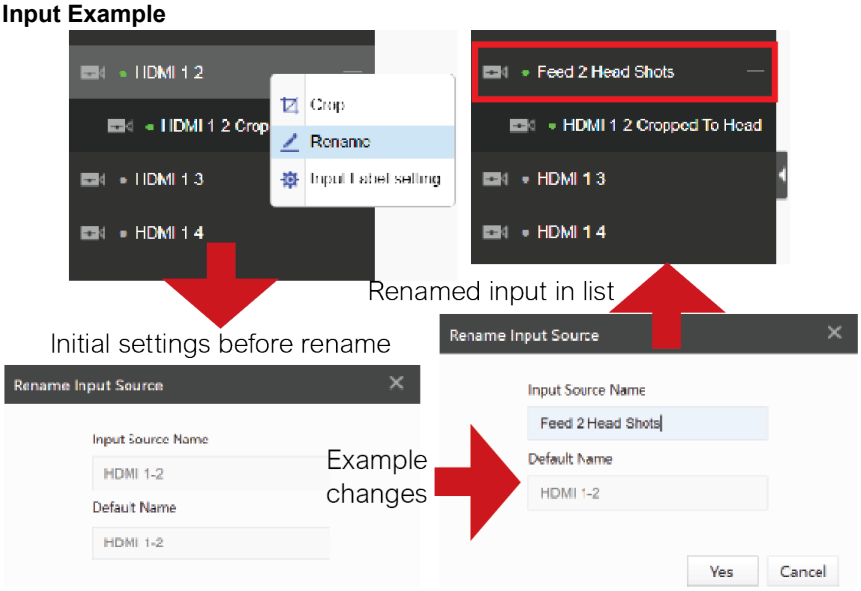
Table 3.1: Crop Input Options

UI Label	Description
Name	Provide a name for the cropped input. This new cropped input by this name will be displayed as a sub-item to the existing input.
For the **Top**, **Bottom**, **Left**, **Right**, **Width**, and **Height** parameters, they will change as you manually resize the cropping parameters in the upper image. Adjusting the parameters in each of these fields will also automatically resize the cropping in the image. The image will change after you click outside of the size/position parameter you just changed.	
Top (Pixels)	With 0 being the top, this parameter shows how many pixels the top of the cropping is from the top of the input
Bottom (Pixels)	With 0 being the bottom, this parameter shows how many pixels the top of the cropping is from the bottom of the input
Left (Pixels)	With 0 being the left, this parameter shows how many pixels the left side of the cropping is from the left side of the input
Right (Pixels)	With 0 being the right, this parameter shows how many pixels the right side of the cropping is from the right side of the input
width (Pixels)	This parameter shows the width of the cropping in pixels
height (Pixels)	This parameter shows the height of the cropping in pixels

Note: The minimum cropped area size is 32x32 pixels.

3.2.1.2 Rename Input Source

Figure 3.7: Rename Input Example



1. *In the* **Input Source** *section of the Mimic Control panel select the input source to rename*
2. *Right click the input source and select* **Rename**
3. *In the* **Input Source Name** *text box enter a name*

   This name will be displayed in the **Input Source** list
4. *Click* **Yes**

3.2.1.3 Add Label or Graphic to Video Window

Figure 3.8: Set Input Example with Preview

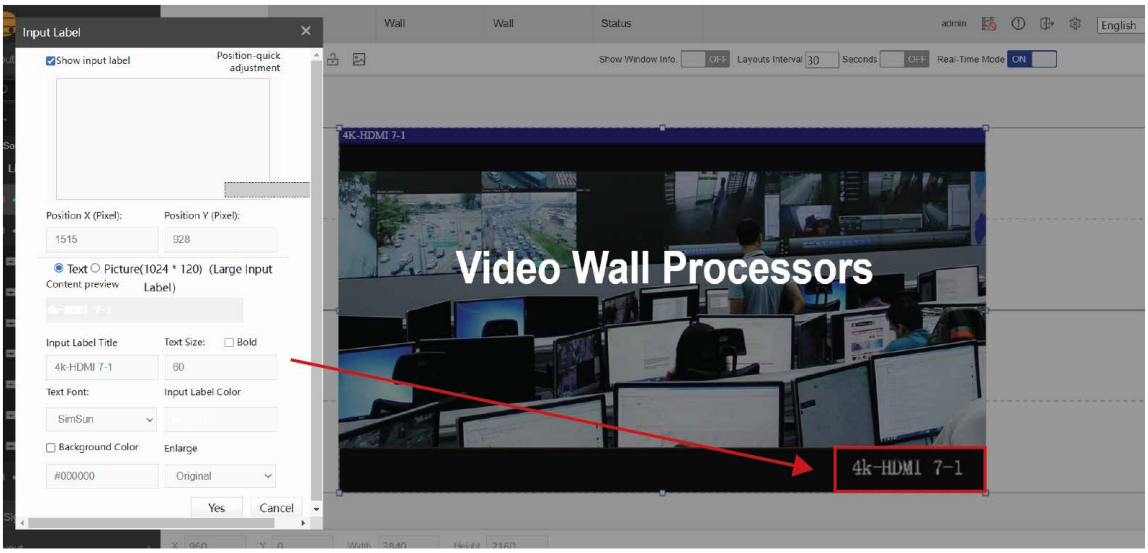
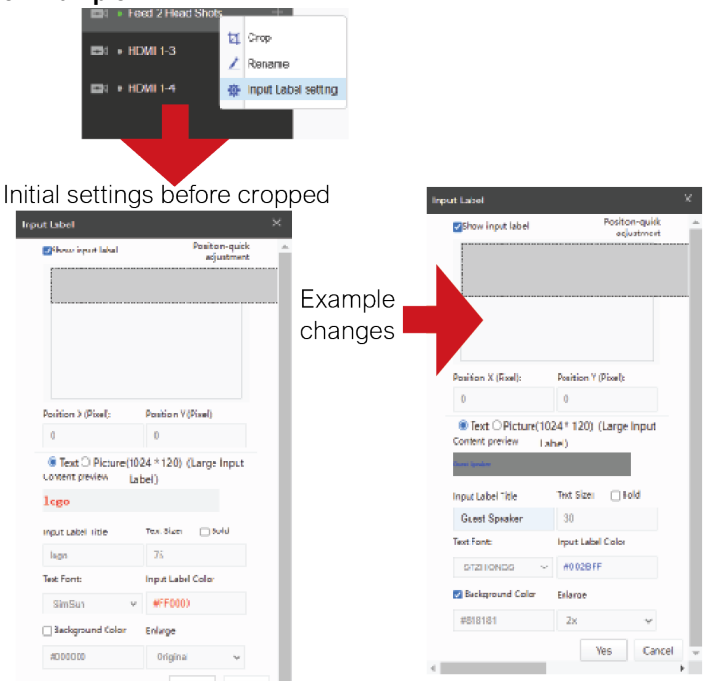


Figure 3.9: Set Input Label Example



1 *In the* **Input Source** *section of the Mimic Control panel select the input source to add a label or graphic*

2 *Right click the input source and select* **Input Label Setting**

3 *To add a Label*

   a *Select* **Text**

   b *Enter the label text in* **Input Label Title**

   c *Set* **Text Size**, **Text Font**, **Input Label Color**

   d *Select* **Bold** *and/or* **Background Color**

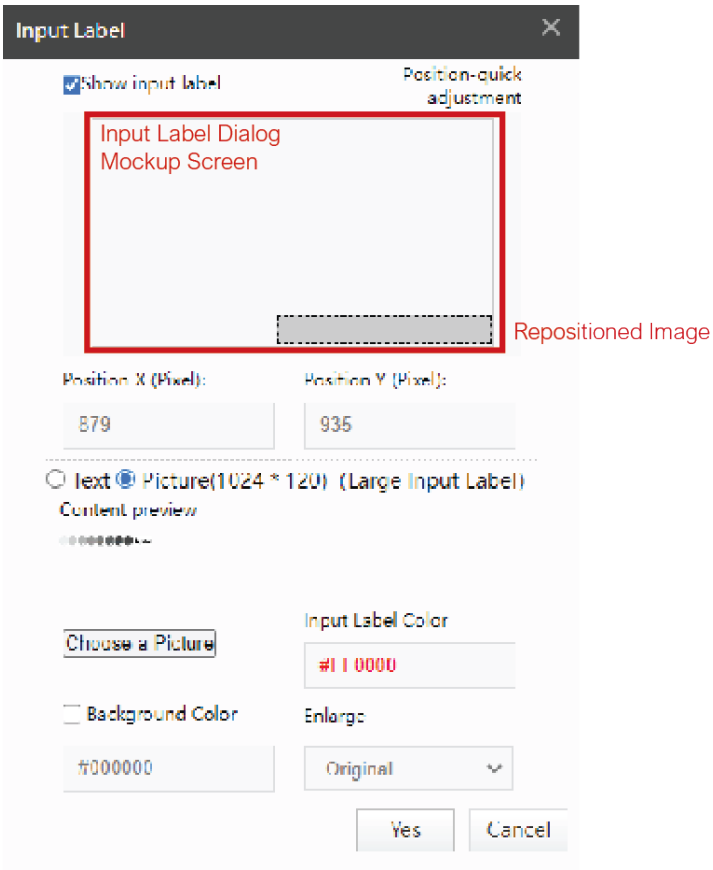
4 *To add a graphic*

   a *Select* **Picture**

   b *Click* **Choose a Picture** *then browse and select the picture*

   c *Resize the picture if desired by using the* **Enlarge** *dropdown*

   d *Reposition the graphic on the mock screen in the* **Input Label** *dialog*



5 *Click* **Yes**

Table 4: Input Label Options

UI Label	Description
Show input label	Hide/Show input label
Position X (Pixel)	Enter the position of the input label with reference to the X coordinate
Position Y (Pixel)	Enter the position of the input label with reference to the Y coordinate
Text/Picture (Large Input Label)	Select Text/Picture as input label
Input Label Title	Enter the title for input label
Text Size, Bold	Enter the size of the text; Bold font weight
Text Font	Select the font of the text
Input Label Color	Select the color of the text
Background Color	Select the color of the background
Enlarge	Select the zoom levels of the input label

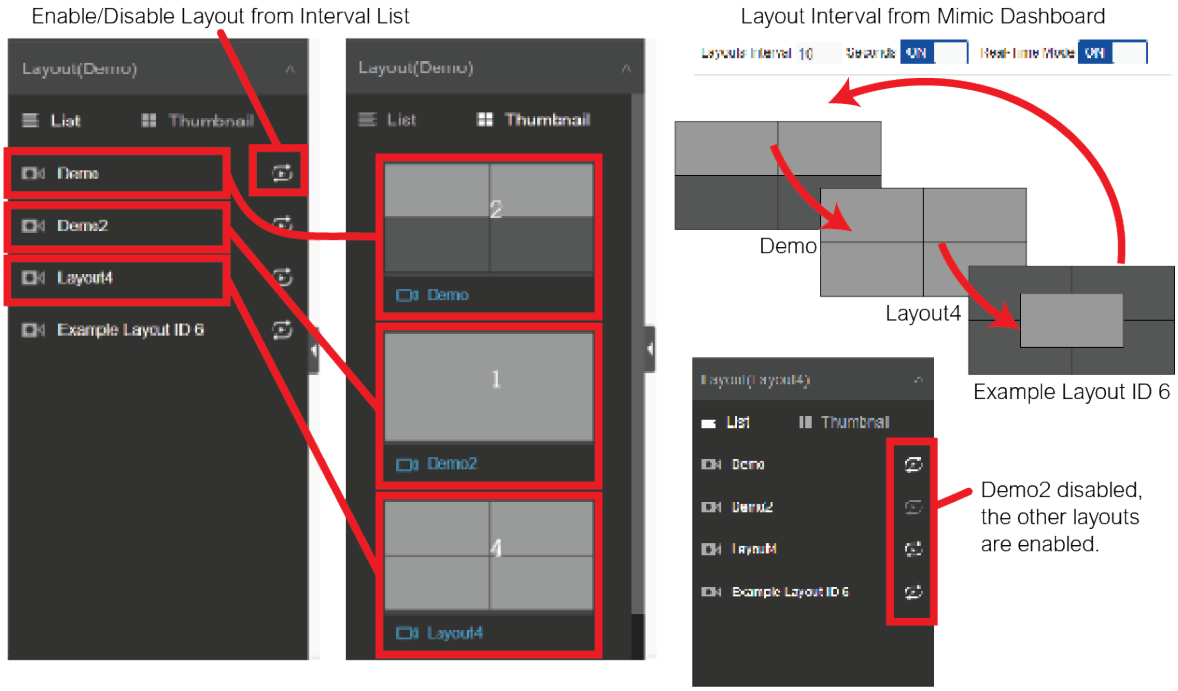
3.2.2 IP Signal

Figure 3.10: IP Signal page

3.2.3 Layouts

Layouts define how the video wall will look. You can add multiple video windows, modify inputs as discussed in *Section 3.1, Mimic Dashboard Layout on page 7*. Multiple layouts may also be used in a carousel like mode by setting an interval for switching between the layouts for a video wall.

Figure 3.11: Layout Viewed by List or Thumbnail



Create a New Mimic Layout

1. *From the* **Layout** *section of the Mimic Control Panel, select any existing layout*
2. *Clear any unwanted video windows or other elements from the existing layout*
3. *Add new video windows and arrange the layout*
4. *Click the* **Save Layout** *icon in the Mimic Layout Control bar*
5. *In the* **Save Layout** *dialog, enter a* **Layout Sort ID** *and a* **Layout Name**

Note: Using the same Layout Sort ID as an existing layout will overwrite that layout.

6. *Click* **OK**

Edit an Existing Mimic Layout

1. *From the* **Layout** *section of the Mimic Control Panel, select the existing layout*
2. *Make the modifications*
3. *Click the Save Layout icon in the Mimic Layout Control bar*
4. *In the Save Layout dialog, enter the same Layout Sort ID*

   You can use the same **Layout Name** or enter a new **Layout Name**

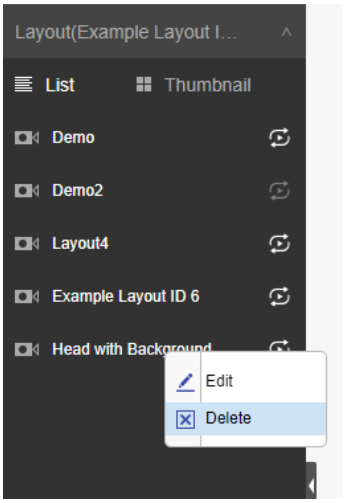
Note: Using the same Layout Sort ID as an existing layout will overwrite that layout.

5. *Click* **OK**

Delete a Layout

1 *From the Mimic Control panel select the Layout section.*

2 *Select a layout, right click, then select Delete.*



3.3 Mimic Layout Cycling Controls

Mimic Layouts may be cycled, so that one layout may be viewed for a determined amount of time, then shift to another layout. The Mimic Layout Cycling Control bar sets whether video window information is displayed, the interval a time before switching to the next layout, and whether changes to the layouts being cycled should be displayed at the time of the change.

Figure 3.12: Mimic Layout Cycling Control Bar

Table 5: Mimic Layout Cycling Control Bar

Item	Description
Show Window Info	Displays the video window identification number (WinId), the position of the video window and the dimensions of the video window. Position: 0, 0, the origin point, is the top left of the video wall. the x, y pair describe the position of the pixel in the upper left corner of the video window. A video window which is in the upper left corner of the Mimic layout will have position 0,0. The first number describes the number of pixels to the right of the origin point horizontally. the second number describes the number of pixels below the origin point. Dimension: The size, in Pixels, width x height, of the video window.
Layouts Interval	Defines the amount of time each layout will be on the screen in seconds if Layouts Interval ON/OFF is set to ON.
Layouts Interval ON/ OFF	Rotates the display through the available layouts.
Real-Time Mode	ON — enable real-time layout editing OFF — disable real-time layout editing

3.4 Mimic Layout Control Bar

The Mimic Layout Control Bar clears the active layout, saves the active layout, locks or unlocks the active layout, or allows you to put a background image which will be behind the video inputs, but is displayed when no video inputs are in front of the image.

Figure 3.13: Mimic Layout Control Bar

Table 3.1: Mimic Layout Control Bar Options

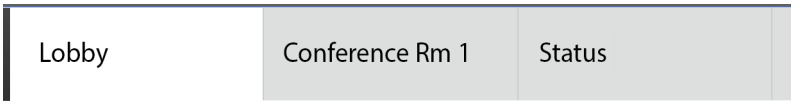
Name	Icon	Description
Clear All		Clears the video windows from the current layout
Save Layout		Saves the current layout. You will need to provide a Sort ID and a Layout Name. ON — enable layout in the layout list OFF — disable layout in the layout list
Layout Launcher		Launches a panel for selecting existing layouts. Note that layouts may also be selected from the Layouts portion of the Mimic Control Panel.
Lock		This icon shows that the current layout is unlocked. Clicking the icon will lock the layout so it cannot be altered.
Unlock		This icon shows that the current layout is locked. Clicking the icon will unlock the layout so it can be altered.
Background Image		Clicking this icon displays or hides the background image. The background image(s) can be defined in .....

Figure 3.14: Setting Scenes Timing Interval

3.5 J400/J600 Video Wall Selector/Status

Multiple Video Walls (up to four) may be managed from the Mimic Dashboard.

Figure 3.15: J400/J600 Video Wall Status Selector



Selecting a video wall and controller status selector

To select which video wall to display in the current Mimic layout, click the tab with the name of the video wall. Video walls are named in *Section 4.1, Video Wall Configuration on page 26*.

3.5.1 Video Wall Selection

Selecting a video wall displays that video wall from the Mimic dashboard as described in *Section 3.1, Mimic Dashboard Layout on page 7*.

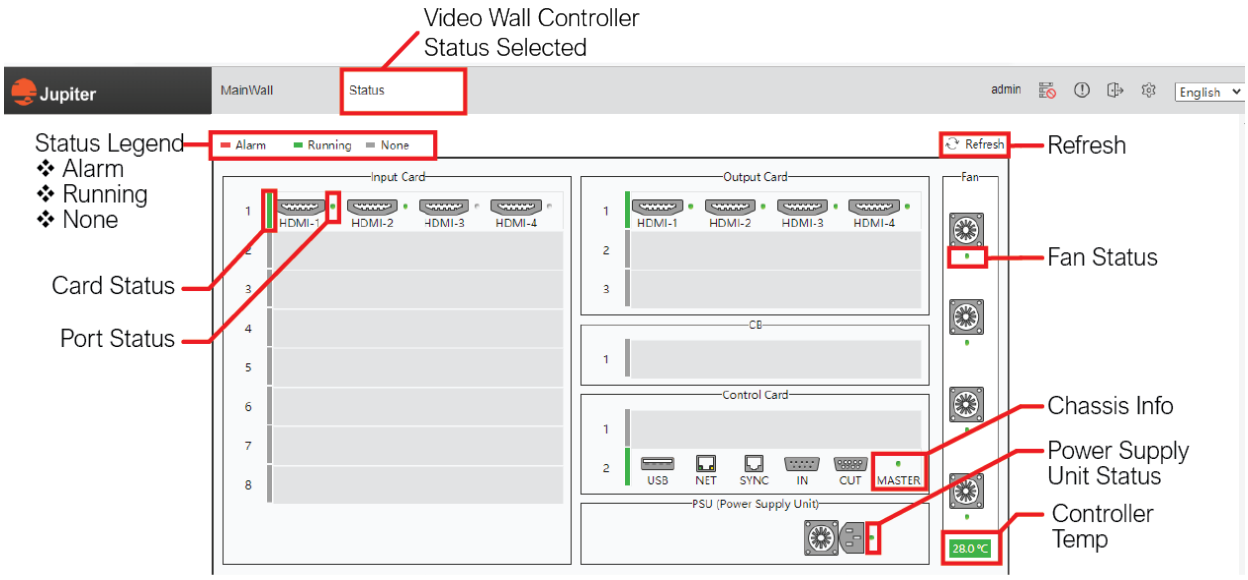
3.5.2 J400/J600 Status

Selecting the **Status** tab shows you the status of the video wall controller. The **System** will auto detect chassis size and configuration, I/O boards and function boards in the chassis. The **Status** screen shows

- Normal or abnormal running status
- Board ambient temperature and chip temperature
- Input resolution
- Fan rotation speed in real time
- Current power consumption
- Alarms
- Serial number, hardware version, firmware version

Click any status element within the chassis to get real time running status for boards, power supply units (PSU), fans, or for the chassis and its firmware.

Figure 3.16: Status of J400 video wall controller



The color status for each element in the chassis has three states:

- Alarm
  The element is not operating or is not within proper operating parameters
- Running
  The element is operating properly
- None
  The element is not in use

In the *Figure 3.16. Status of J400 video wall controller* example a J400's status is displayed.

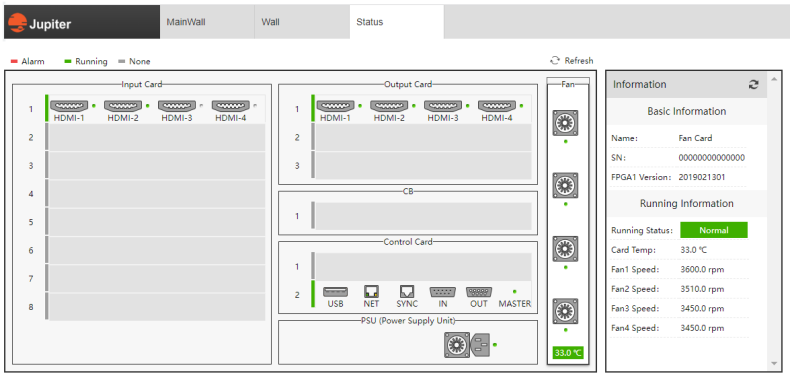
Note: A green indicator in I/O boards means the board or port is available for input or output, a gray indicator means the board or port is unavailable for input or output port or is not yet configured.

Click an element such as a board, fan or power supply unit (PSU) to see information about the element. Boards include information such as the serial number, hardware version, and resolution.

Figure 3.17: Control Board Status

Figure 3.18: Input Board Status

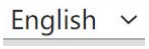
Figure 3.19: Fan Status



3.6 System Tool Bar

Figure 3.20: The system tool bar shows basic information about the user, hot standby alarms and UI language

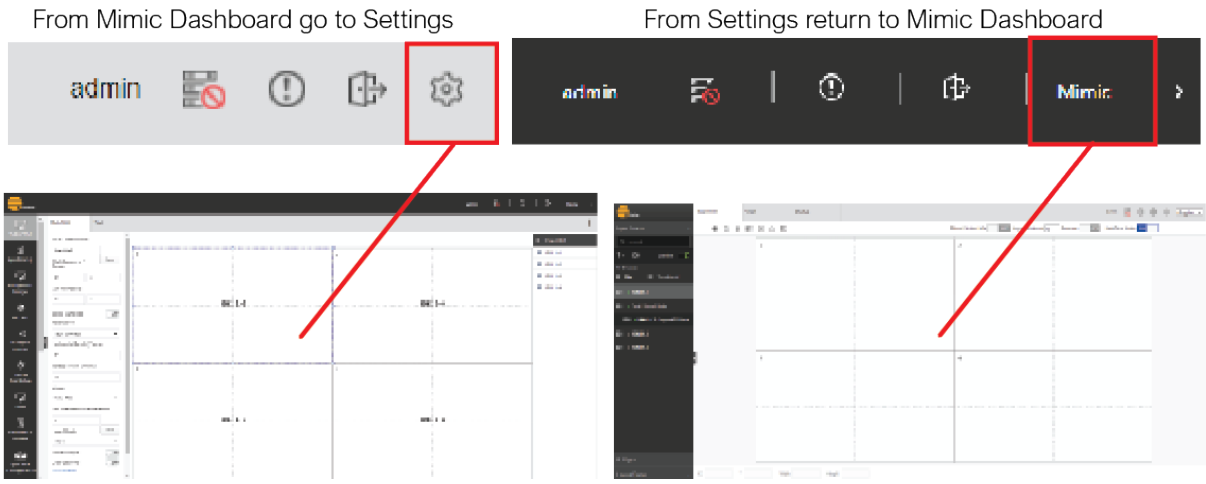
Table 3.2: System Tool Bar

UI Element	Icon	Description
User name	text	In this example the user name is admin
Hot Standby		The red don't circle means that Hot Standby is not enabled
Alarm		Flashes red when alarm occurs (Future functionality)
Logout		Logout from the Web client
Settings		Go to the Settings view
Language dropdown		Select the language for the Web client

Chapter 4
VIDEO WALL SETTINGS

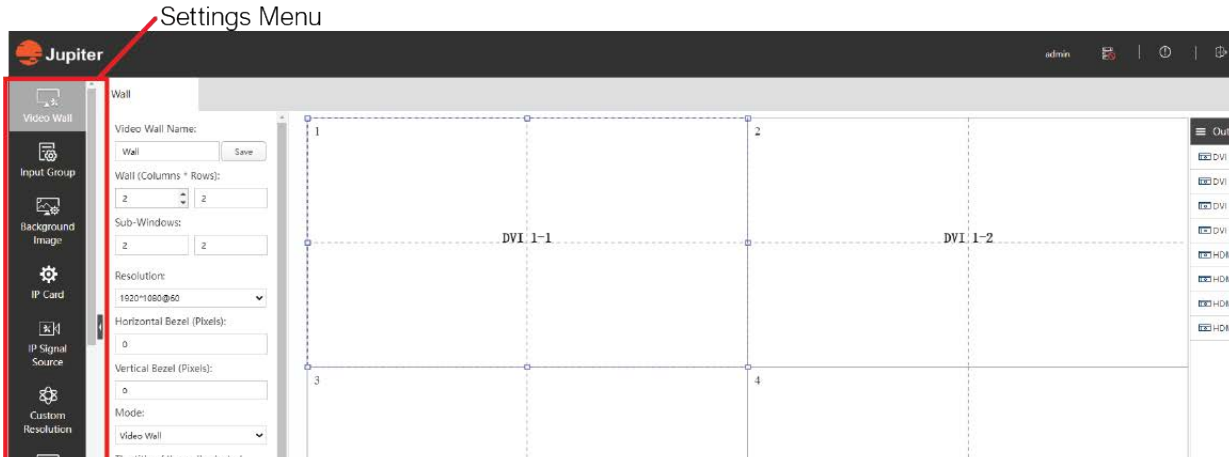
From the Mimic Dashboard, click the **Settings** icon in the System Toolbar to enter the **Settings** pages. Navigate the settings pages via the Settings Menu pane at the left.

Figure 4.1: Settings



To return to the Mimic Dashboard from the Settings pages, click **Mimic** in the System Toolbar.

Figure 4.2: The Settings Menu



4.1 Video Wall Configuration

From the Settings: **Video Wall** page you define the geometry of the video wall to match the physical displays. You map wall segments to video displays in the Output List.

Figure 4.3: Settings Video Wall: Add a Video Wall

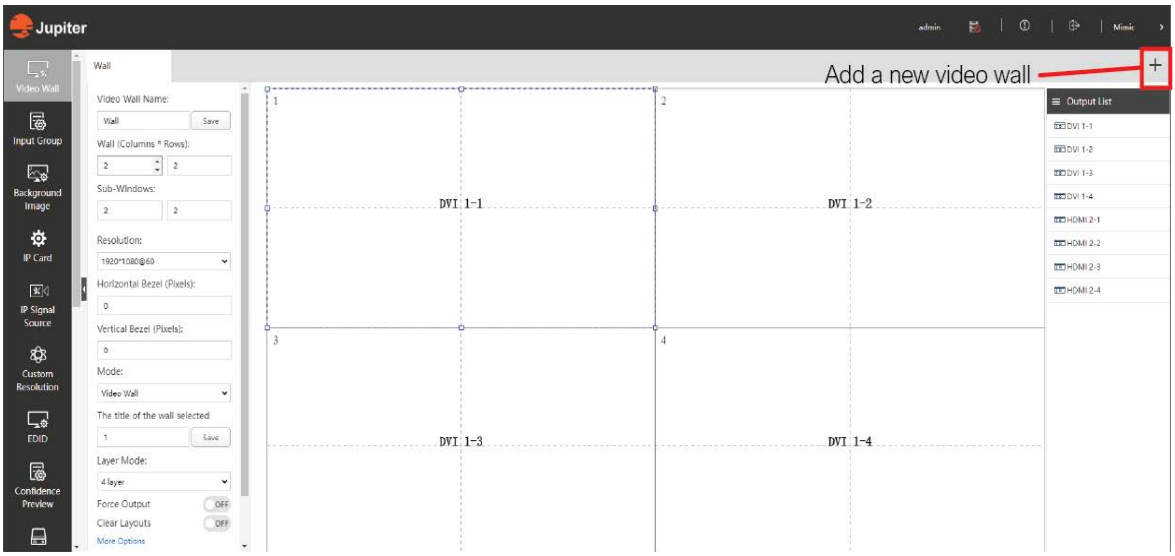


Figure 4.4: Walls, Sub-Windows, Columns and Rows

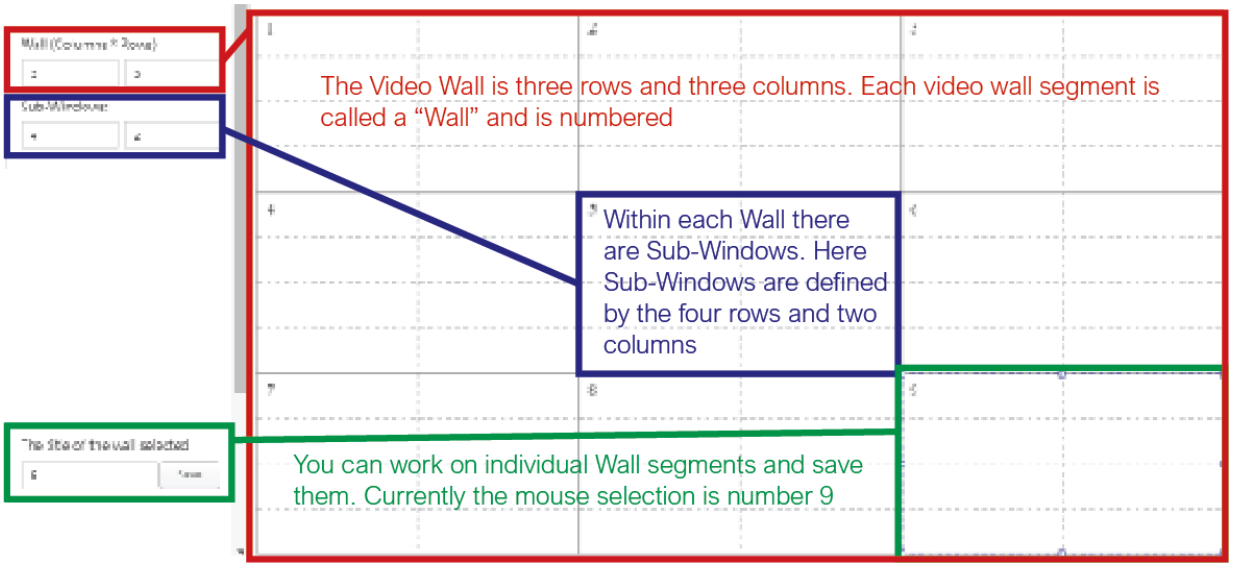


Figure 4.5: Video Wall Configuration Parameters

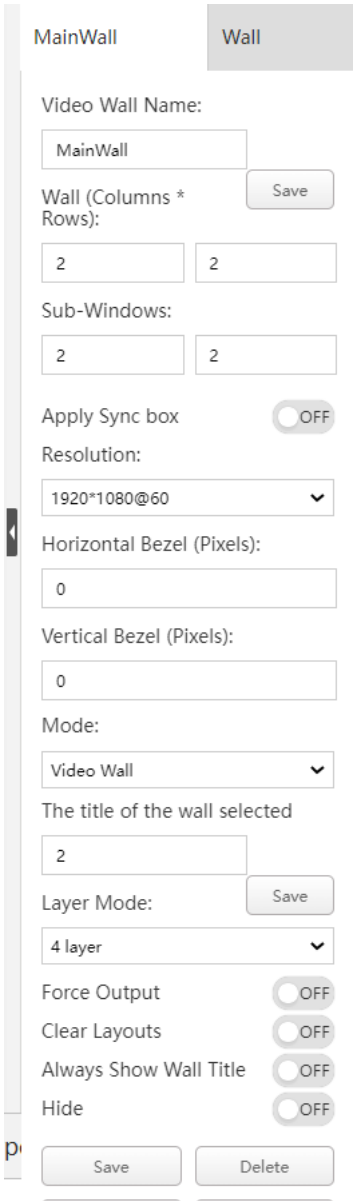


Table 4.1: Video Wall Configuration Parameters

UI Label	Description
Video Wall Name	User-defined video wall name
Screen (Columns x Rows)	Defines the columns and rows for layouts
Sub-Windows	Sub-Windows are sections within the main columns and rows. See *Figure 4.4. Walls, Sub-Windows, Columns and Rows*.
Resolution	The output resolution for the video wall

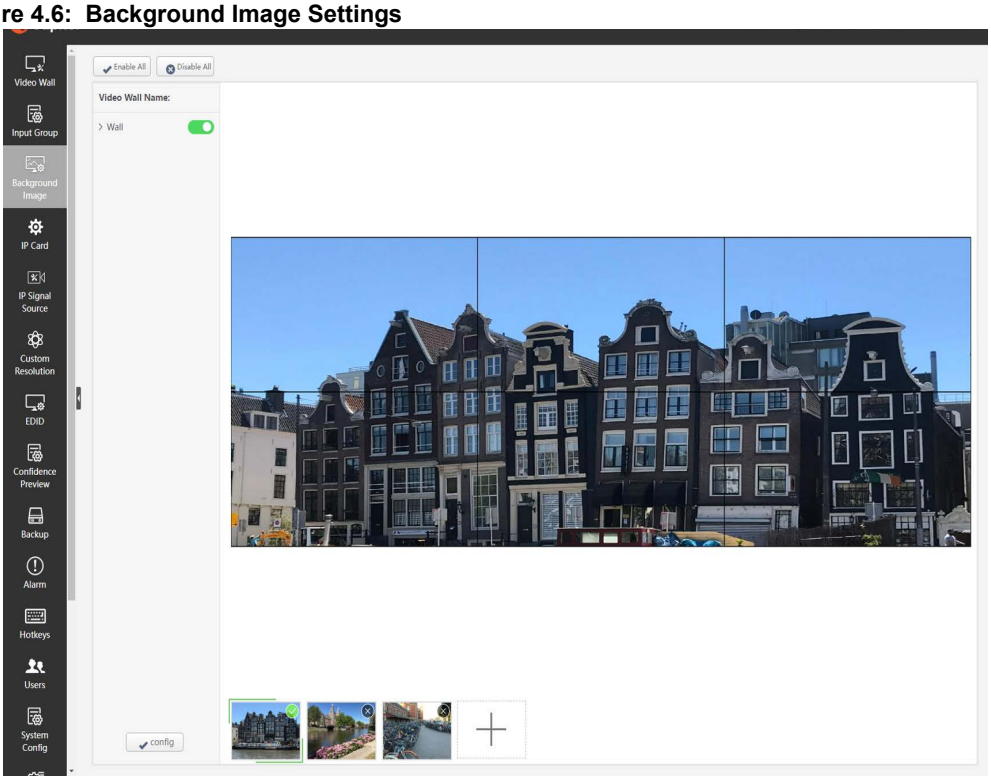
Table 4.1: Video Wall Configuration Parameters

UI Label	Description
Horizontal and Vertical Bezel Correction	Define the display bezel for bezel correction. Each monitor within a video wall has a bezel, a bit of supporting material that is wrapped around the screen. In order for angled lines to appear properly, you have to adjust for the width of the bezel.
Mode	Selects the type of video wall: LCD, LED, Edge Blender, Matrix....
Show Channel	Display relevant output channel ID on each display device

4.2 Background Image

A User-Defined image can be added as background image of video wall.

Figure 4.6: Background Image Settings



Add Background Image to a Layout

1. *Within Settings, click on* Background Image *in the left menu bar*
2. *Near the bottom of the screen, click + to upload a background image*
3. *Select which video wall to display the image...and click* config
4. *Display or hide the background image with the <<background icon>> on the Mimic dashboard.*

Note: The max resolution of background image is 8192*4095 and supports JPG and BMP format. Up to eight background images can be uploaded.

Note: Loading a background image onto a video wall will consume one layer on the output board. This use of the layer may cause less source windows to be able to put up on a display within the video wall.

4.3 IP Board

IP Board configures boards which use IP like the Preview board and IP Decoder board

4.3.1 Preview Board

The Preview board has a network interface which reads the input stream and provides it on Mimic

Figure 4.7: Preview Board provides stream on Mimic and in Thumbnails

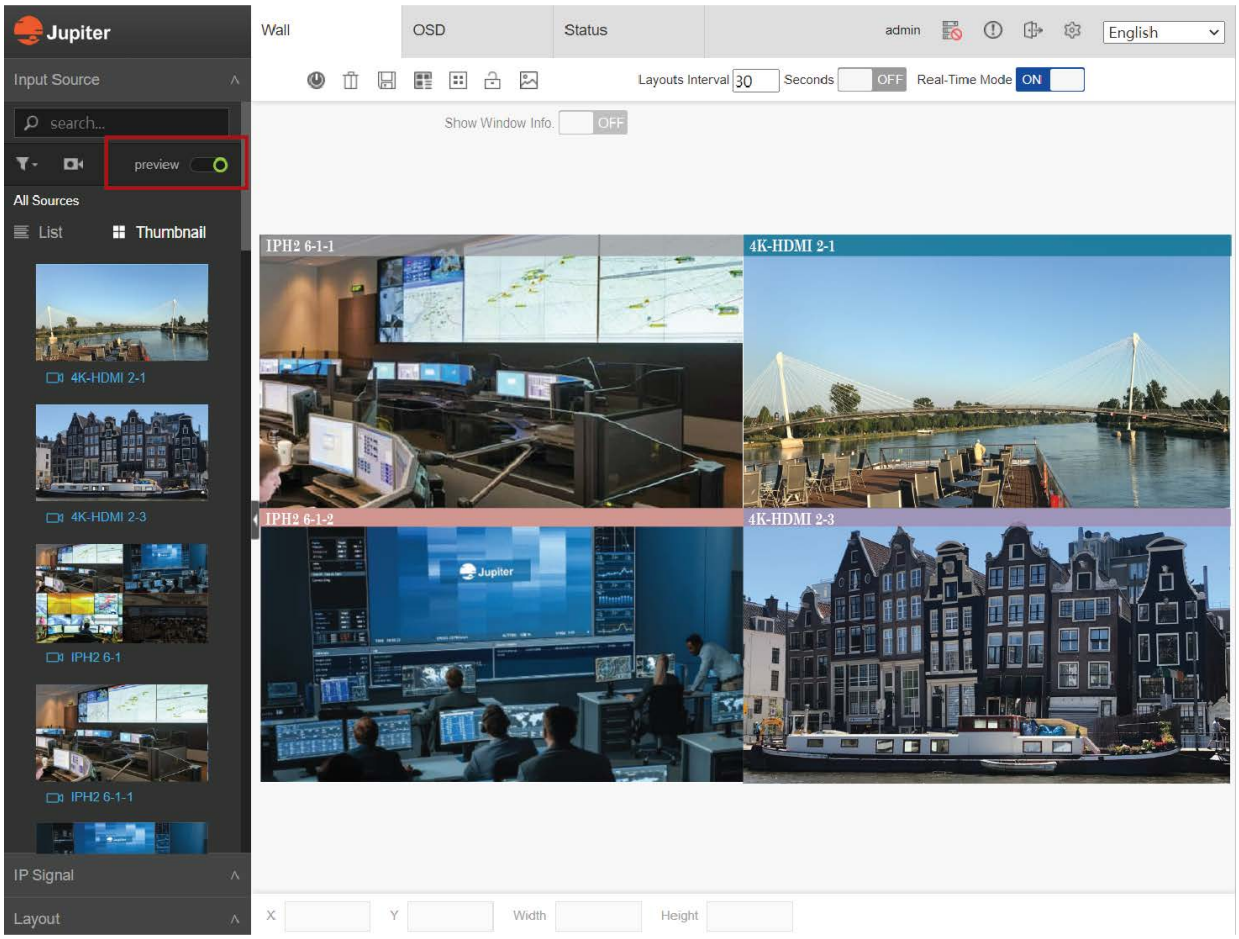


Figure 4.8: Preview Board

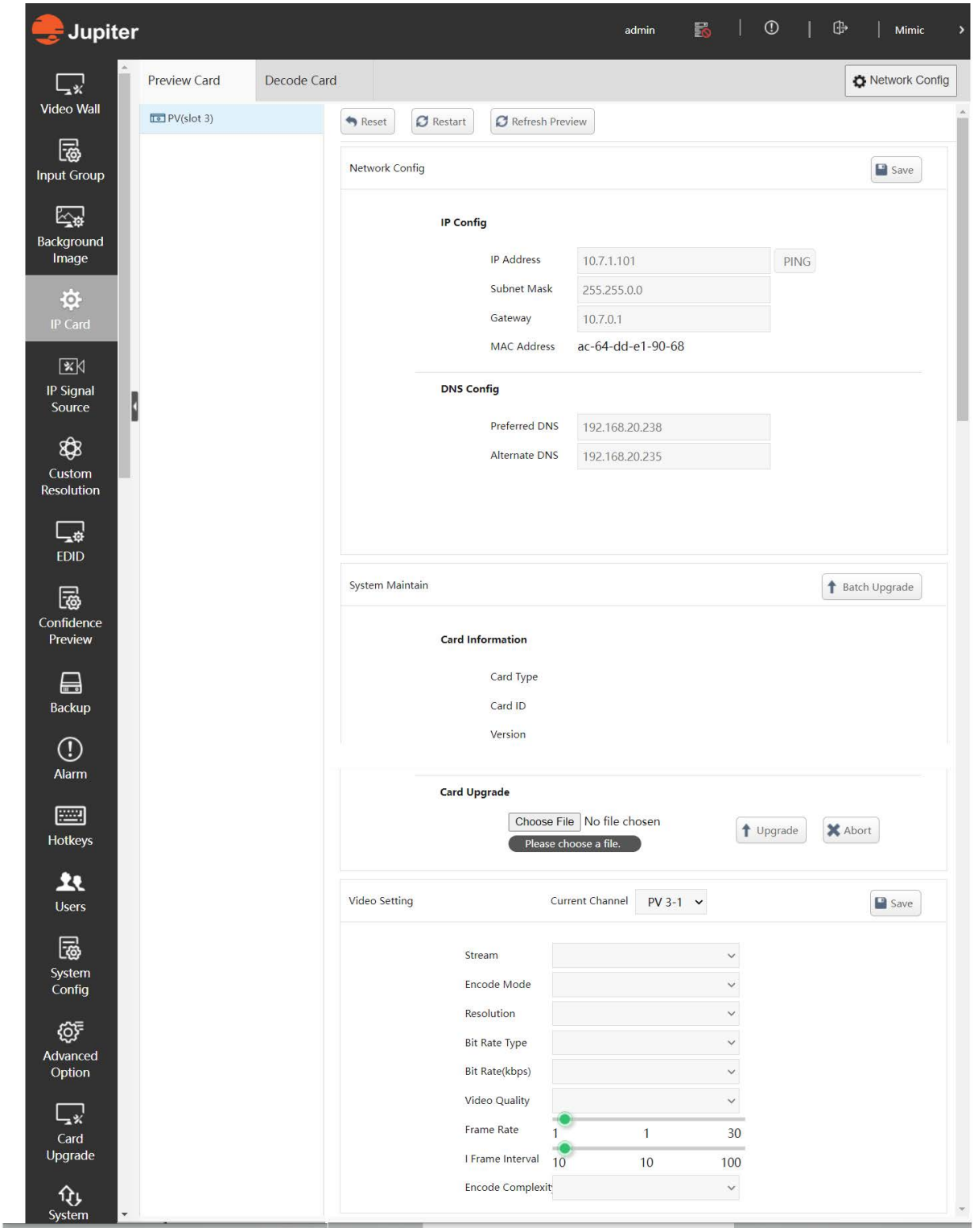


Figure 4.9: IP Board | Preview Board

Left hand column	When selected displays the IP ports on the Preview Board. Selecting the IP port displays the **Network Config** information for the port
Network Config Section	
IP Config Section	
IP Address	Sets the IP address for the port
Ping	Performs a ping on the network to see if the IP address already exists. A popup notification displays whether the IP address already exists or not
Subnet Mask	The Subnet Mask. Uses common masking where "255" is masked out and "0" is variable. For example "255.255.0.0" in the provided example means that "10.7" is the subnet and the last two elements of the IP address are variable
Gateway	The remote gateway for the Subnet
MAC Address	Displays the MAC address of the IP port
System Maintain Section	
Batch Upgrade	Clicking the Batch Upgrade buttons upgrades all Preview Boards in the system
Board Information Section	
Board Type	Displays the name of the board
Board ID	Displays the ID of the board
Version	Displays the version of the board's firmware
Video Setting*	
Current Channel	Selects the Channel on the currently selected Preview Board
Stream	Select the Main Stream or Sub Stream
Encode Mode	MJPEG or H264
Bit Rate Type	CBR or VBR
Bit Rate(kbps)	1M to 20M
Video Quality	Excellent, Very Good, Good, Fair, Poor, Very Poor
Frame Rate	1 to 30

* Video settings depend on the Preview board and the video stream

4.3.2 IP Decoder Board

The IP Decoder Input Board takes an encoded stream (as you can get from the IP camera or other devices such as Jupiter's StreamPoint Encoder. This section and *IP Source Signal* comprise the scenario shown in *Figure 4.10*.

Figure 4.10: IP Decoder Input Board Scenario

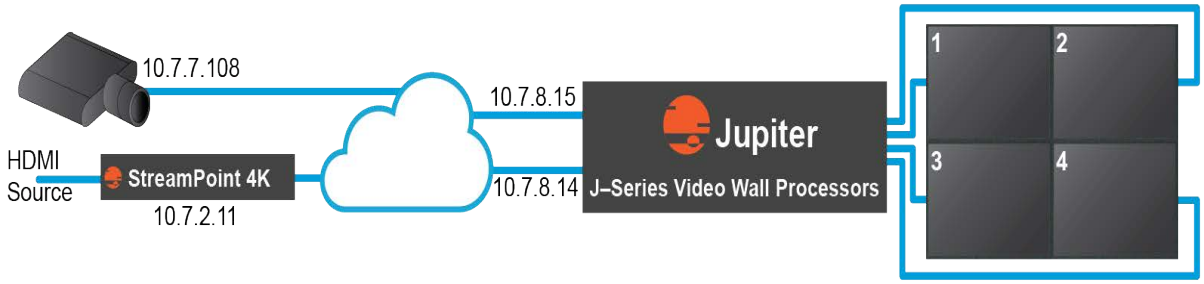


Figure 4.11: Network Configuration for each IP Decoder port

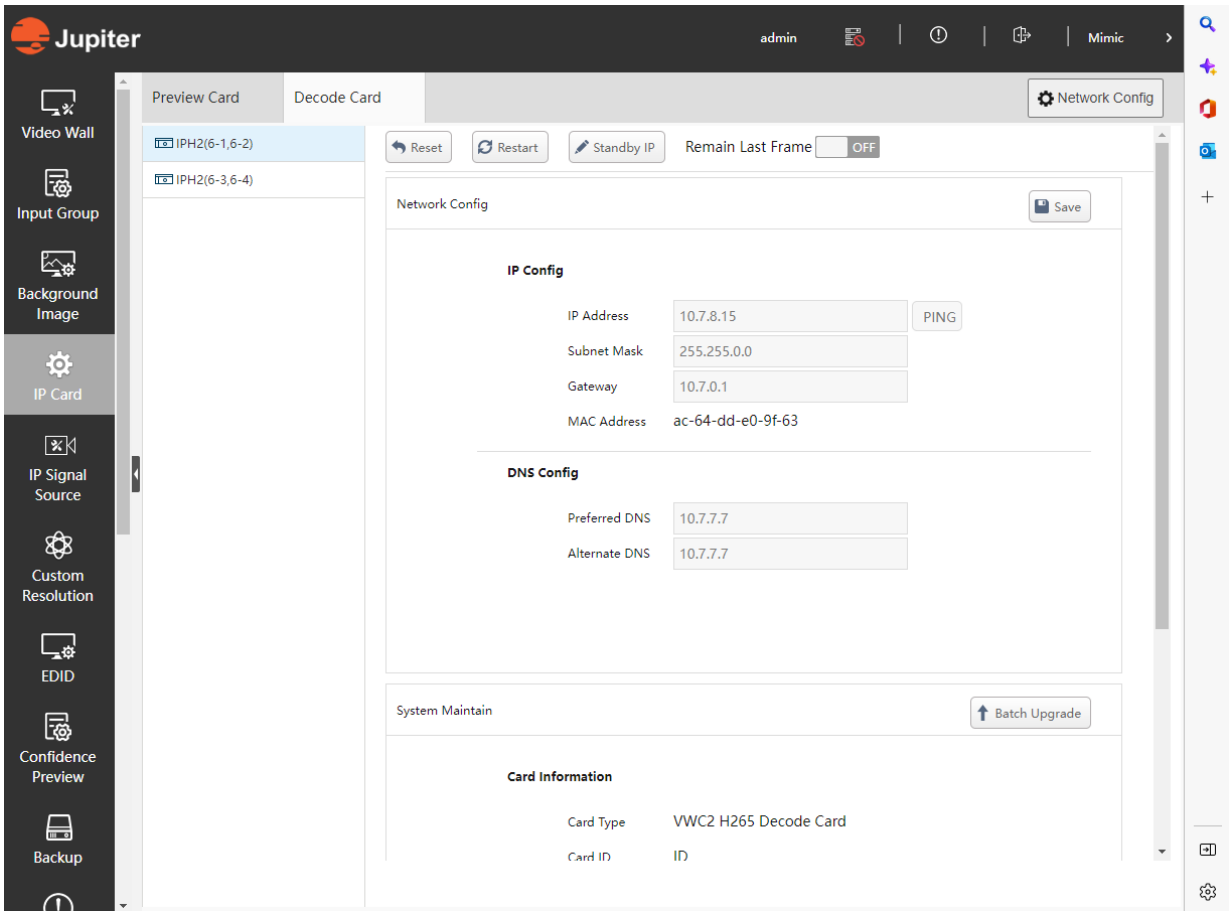


Table 4.2: IP Board | Decoder Board

UI Element	Description
Left hand column	When selected displays the IP ports on the IP Decoder board(s). Selecting the IP port displays the **Network Config** information for the port
Network Config Section **IP Config Section**	
IP Address	Sets the IP address for the port
Ping	Performs a ping on the network to see if the IP address already exists. A popup notification displays whether the IP address already exists or not
Subnet Mask	The Subnet Mask. Uses common masking where "255" is masked out and "0" is variable. For example "255.255.0.0" in the provided example means that "10.7" is the subnet and the last two elements of the IP address are variable
Gateway	The remote gateway for the Subnet
MAC Address	Displays the MAC address of the IP port
DNS Config Section	
Preferred DNS	The primary preferred address for the Domain Name Server
Alternate DNS	The alternate address for the Domain Name Server
System Maintain Section	
Batch Upgrade	Clicking the **Batch Upgrade** buttons upgrades all IP Decoder Boards in the system
Board Information Section	
Board Type	Displays the name of the board
Board ID	Displays the ID of the board
Version	Displays the version of the board's firmware
Background Color	
Background Color	Displays the HEX version of the background color. The background color is what is displayed when no video stream is provided. Clicking the HEX number brings up a color picker. Pick the new color by selecting the new color, then clicking Set.
Reset	Resets the Background Color to the default settings.
Set	Sets the Background Color

Table 4.2: IP Board | Decoder Board

UI Element	Description
Board Upgrade	
Choose File	Browse PC for board upgrade file
Upgrade	Upgrade the board when an upgrade file is selected
Abort	Aborts the upgrade process

4.4 IP Source Signal

Figure 4.12: IP Source Configuration for IP Camera Source Using Custom

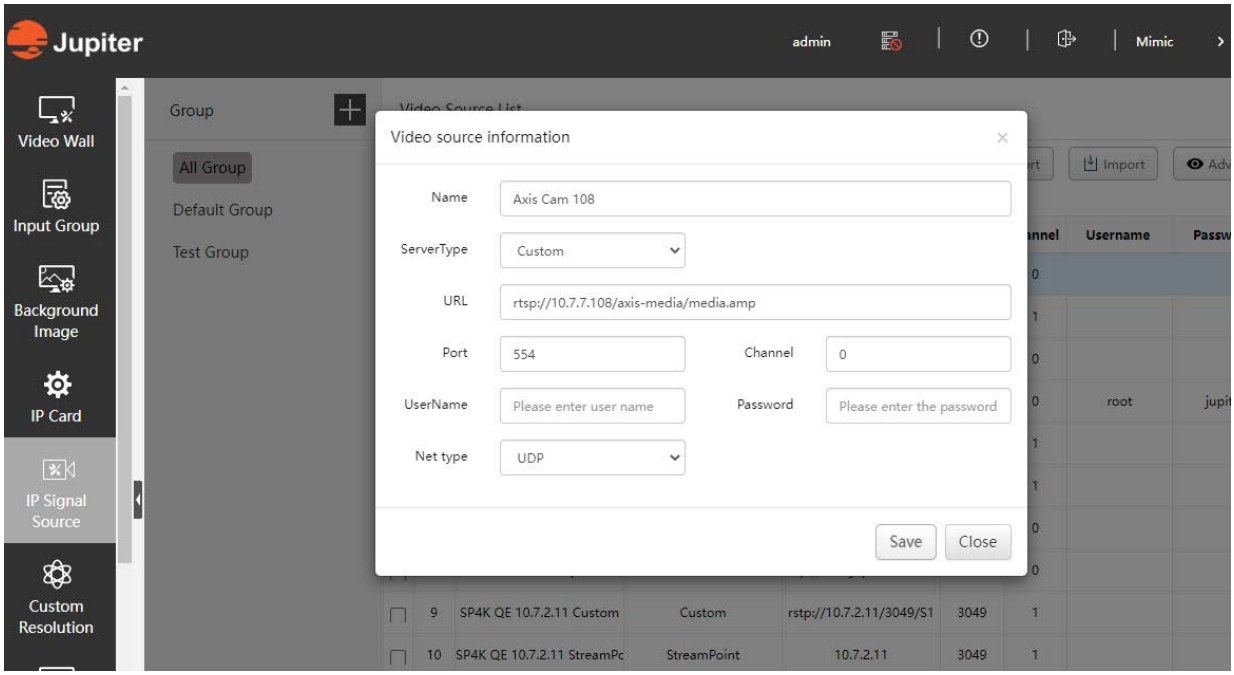
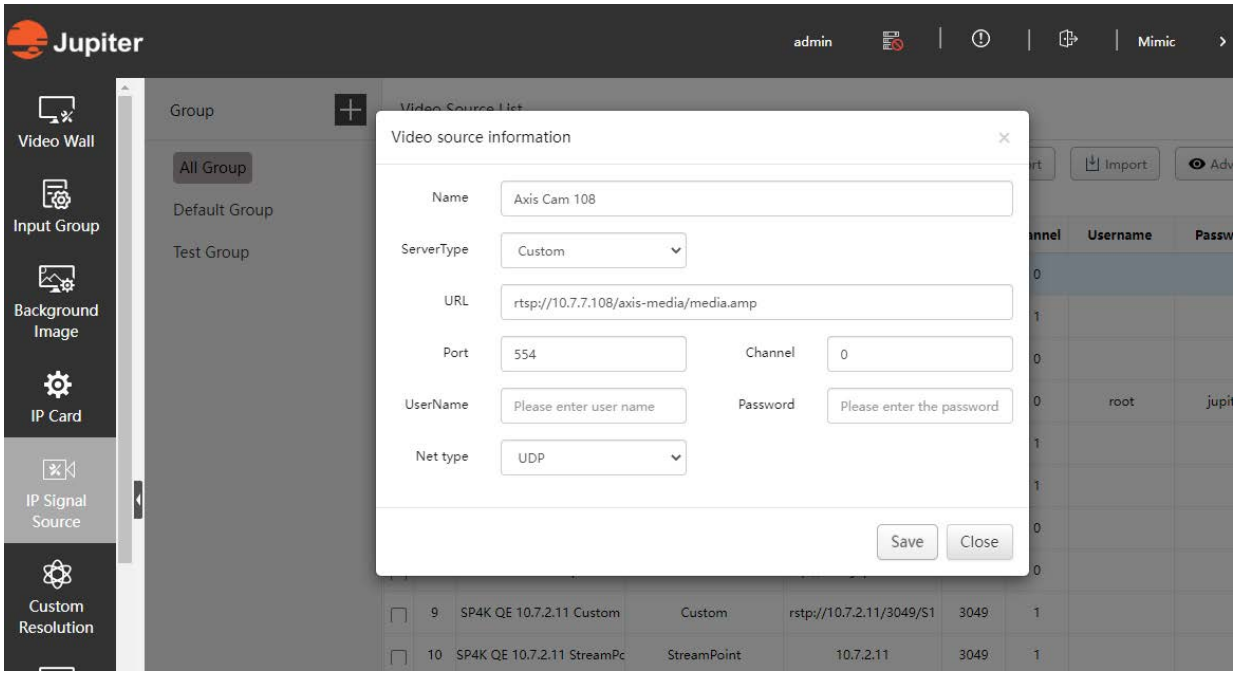


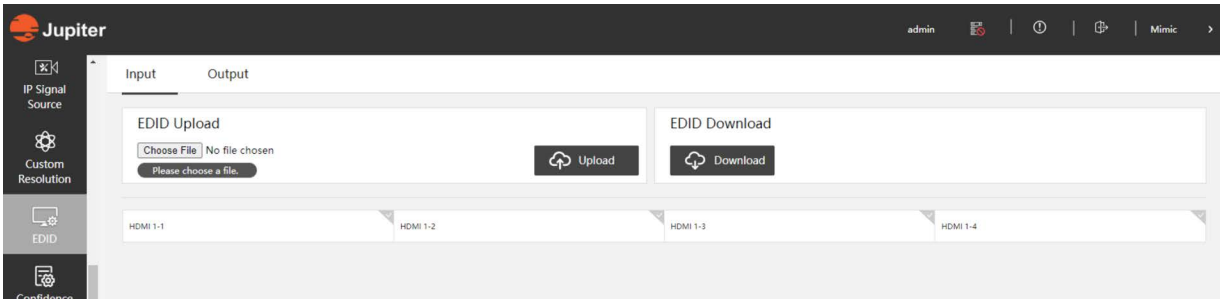
Figure 4.13: IP Source for StreamPoint Source Using Custom



4.5 EDID

EDID (Extended Display Identification) describes the monitor's ID and capabilities

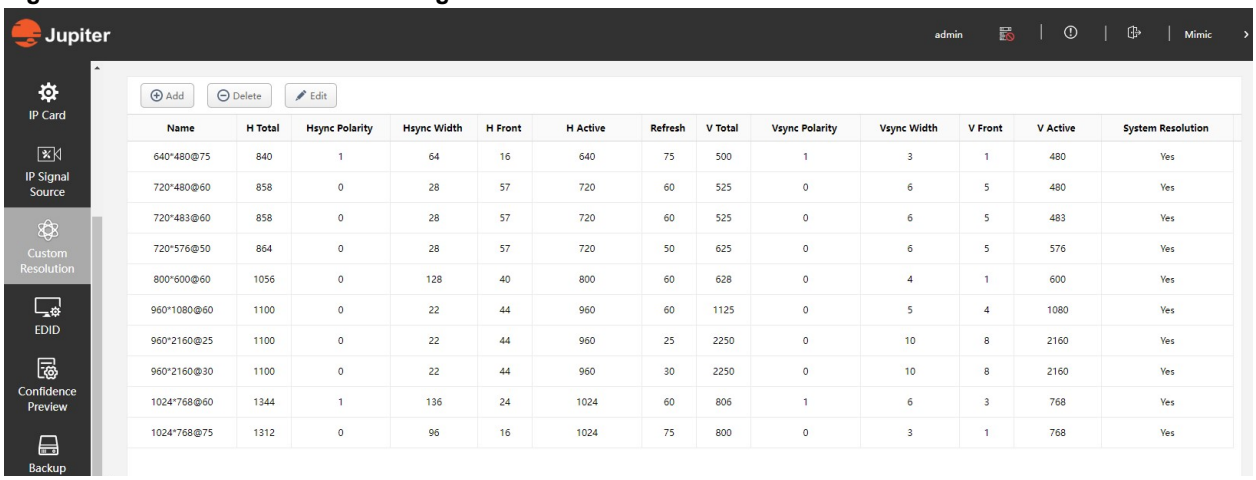
Figure 4.14: EDID page



4.6 Custom Resolution

Set Custom Resolution

Figure 4.15: Custom resolution settings



Name	H Total	Hsync Polarity	Hsync Width	H Front	H Active	Refresh	V Total	Vsync Polarity	Vsync Width	V Front	V Active	System Resolution
640*480@75	840	1	64	16	640	75	500	1	3	1	480	Yes
720*480@60	858	0	28	57	720	60	525	0	6	5	480	Yes
720*483@60	858	0	28	57	720	60	525	0	6	5	483	Yes
720*576@50	864	0	28	57	720	50	625	0	6	5	576	Yes
800*600@60	1056	0	128	40	800	60	628	0	4	1	600	Yes
960*1080@60	1100	0	22	44	960	60	1125	0	5	4	1080	Yes
960*2160@25	1100	0	22	44	960	25	2250	0	10	8	2160	Yes
960*2160@30	1100	0	22	44	960	30	2250	0	10	8	2160	Yes
1024*768@60	1344	1	136	24	1024	60	806	1	6	3	768	Yes
1024*768@75	1312	0	96	16	1024	75	800	0	3	1	768	Yes

1 *Select* **Custom Resolution** *from the settings menu pane.*

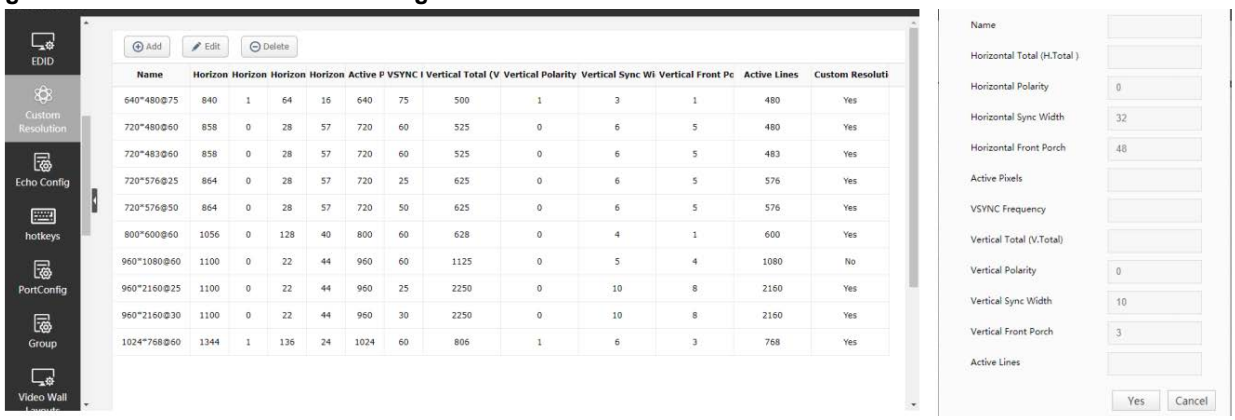
2 *Click* **Add**

3 *In the* **Customer Resolution** *dialog, name the custom resolution*

This name will be selectable in the **Resolution** dropdown in the Video Wall page. See *Section 4.1, Video Wall Configuration on page 26* which uses the resolution setting.

4 *Define the settings for the custom resolution*

Figure 4.16: Custom resolution settings



Name	Horizon	Horizon	Horizon	Horizon	Active P	VSYNC I	Vertical Total (V	Vertical Polarity	Vertical Sync Wi	Vertical Front Pc	Active Lines	Custom Resoluti
640*480@75	840	1	64	16	640	75	500	1	3	1	480	Yes
720*480@60	858	0	28	57	720	60	525	0	6	5	480	Yes
720*483@60	858	0	28	57	720	60	525	0	6	5	483	Yes
720*576@25	864	0	28	57	720	25	625	0	6	5	576	Yes
720*576@50	864	0	28	57	720	50	625	0	6	5	576	Yes
800*600@60	1056	0	128	40	800	60	628	0	4	1	600	Yes
960*1080@60	1100	0	22	44	960	60	1125	0	5	4	1080	No
960*2160@25	1100	0	22	44	960	25	2250	0	10	8	2160	Yes
960*2160@30	1100	0	22	44	960	30	2250	0	10	8	2160	Yes
1024*768@60	1344	1	136	24	1024	60	806	1	6	3	768	Yes

5 *Click* **Save**

Chapter 5

ADMINISTRATIVE SETTINGS

In the Administrative section you set up and manage users, backup and restore system configurations, upgrade systems and boards, and view alarm logs.

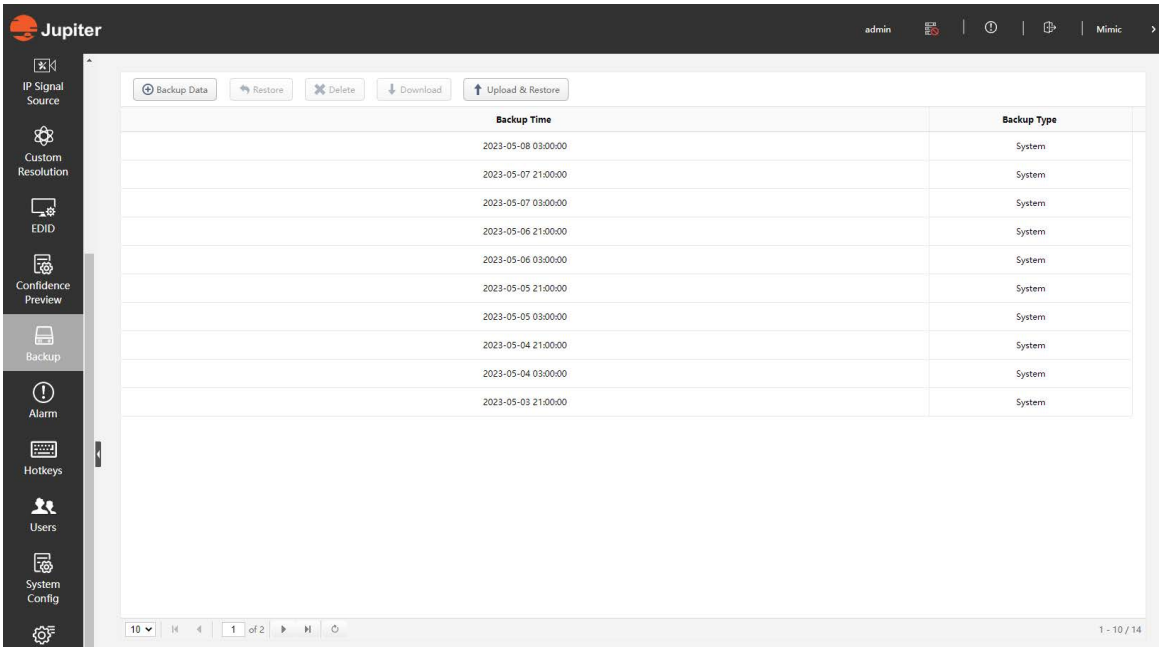
5.1 Backup and Restore

Users can save the current system configuration as a backup file to local PC or upload the previous backup file to restore.

Backup the Current System Configuration

Backup the system configuration to a backup file.

Figure 5.1: Backup images

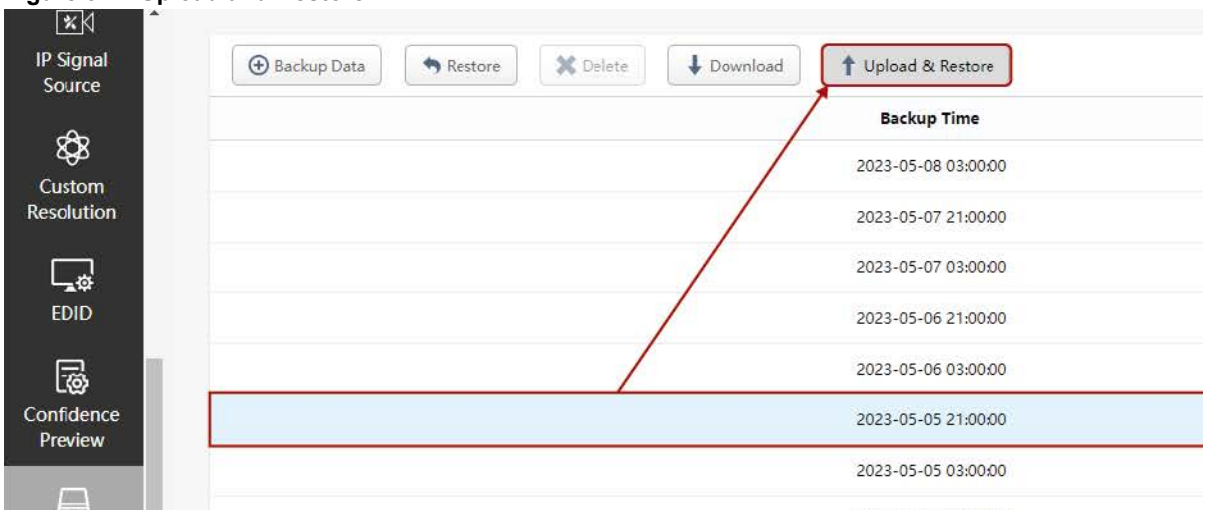


1 *Select* **Backup** *from the settings menu pane*

2 *Click* **Backup Data**

Restore a System Configuration

Figure 5.2: Upload and Restore



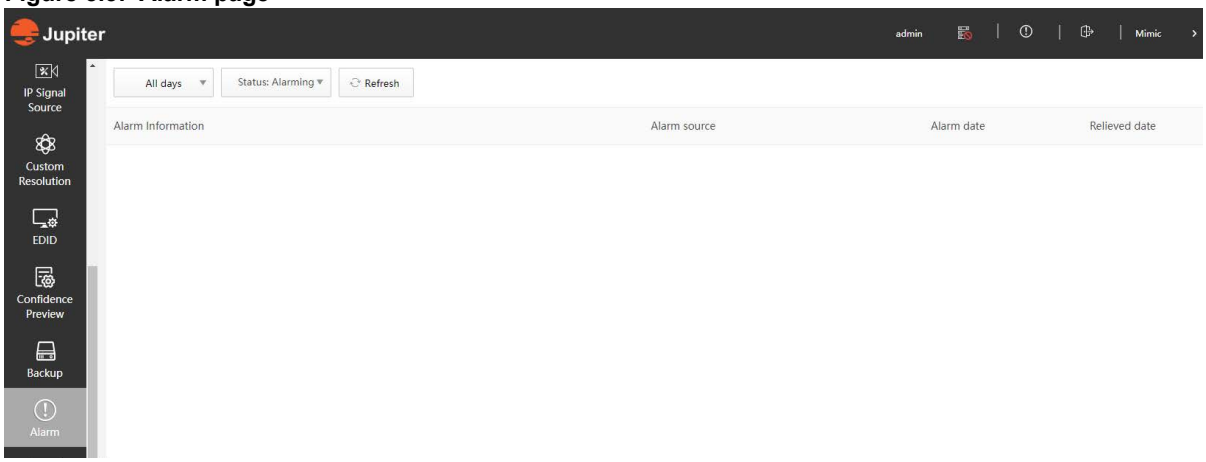
1 *Select* **Backup** *from the settings menu pane*

2 *Select a backup image*

3 *Click* **Restore** *to restore the system to the backup image*

5.2 Alarm

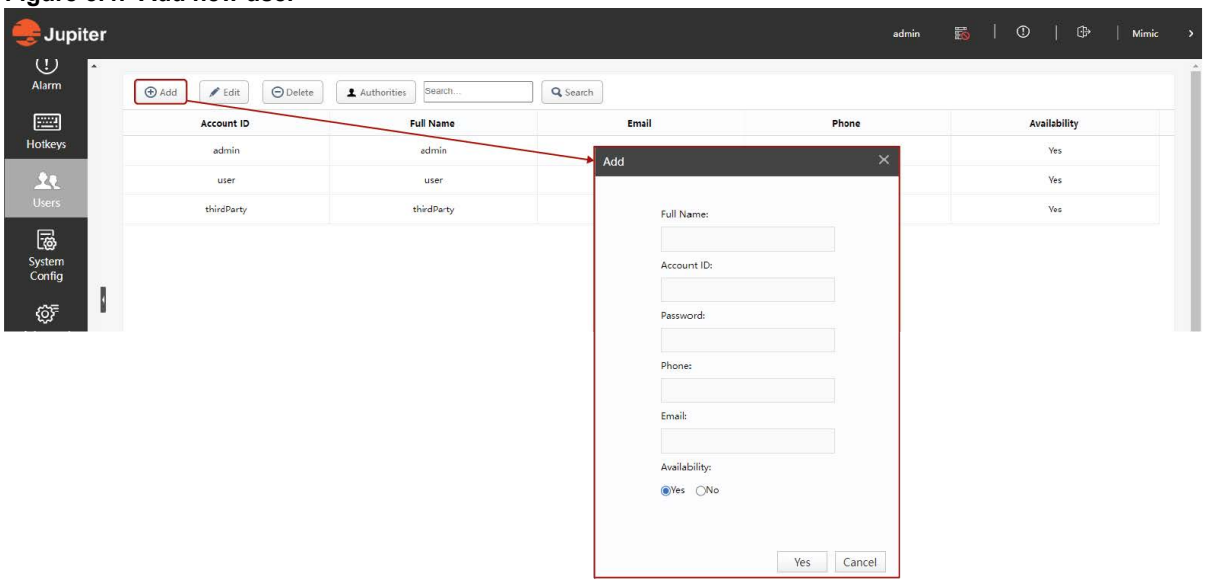
Figure 5.3: Alarm page



5.3 Users

Administrators can create several users. Different access permissions can be assigned which will allow multiple users to work on different parts of the video wall.

Figure 5.4: Add new user



Create User Account

1. *Select* **Users** *from the settings menu pane*
2. *Click* **Add** *to add a new user account*
3. *Input the user's information (***Full Name***,* **Account ID***,* **Password***,* **Phone***,* **Email***,* **Availability**

   Availability is **Yes** if user can log in immediate, **No** if just setting up user account now and user will be allowed to access in the future.

Note: Phone number and email are checked for proper format. Phone number format is all numeric, no spaces, dashes, parens, or periods and must begin with *1*, for example Jupiter's phone number (510) 675-1000 would be entered *15106751000*.

4. *At the bottom of the screen click Yes*
5. *Set access privileges for the user as shown in Set Access Privileges*

Set Access Privileges

1. *Select user account*
2. *Click Authorities*
3. *Select the Video Wall Controller*
4. *Select the input or output port*

   Access privileges for each input/output port can be managed individually.

Figure 5.5: Defining access privilege

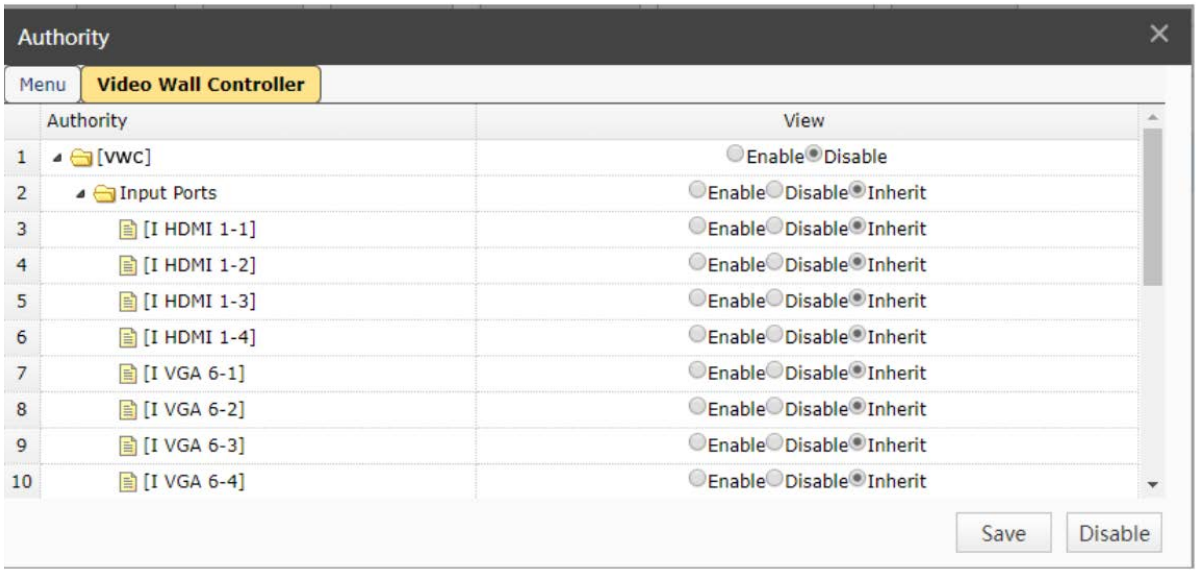
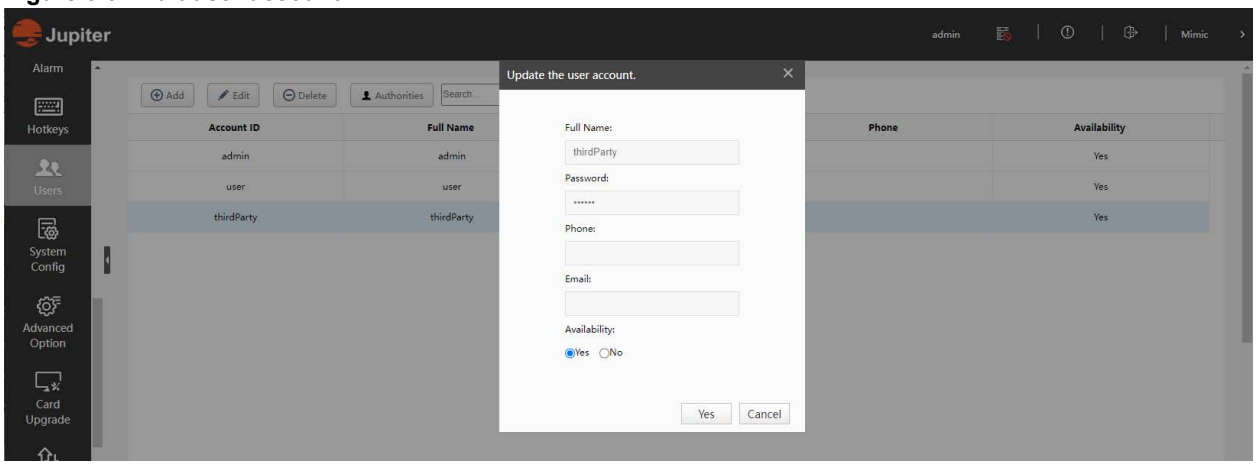


Table 5.1: Access Privilege Definitions

Access Privilege	Description
Enable	User may access this port. The user will see the port in their input or output list.
Disable	User cannot access this port. The user will not see the port in their input or output list.
Inherit	The setting will follow the same access privilege as upper level access privilege, so if the HDMI 1-1 status is inherit, since VWC is an upper level to that port and its status 'Enable' then the user will see the HDMI 1-1 port in their input list.

Figure 5.6: Edit user account



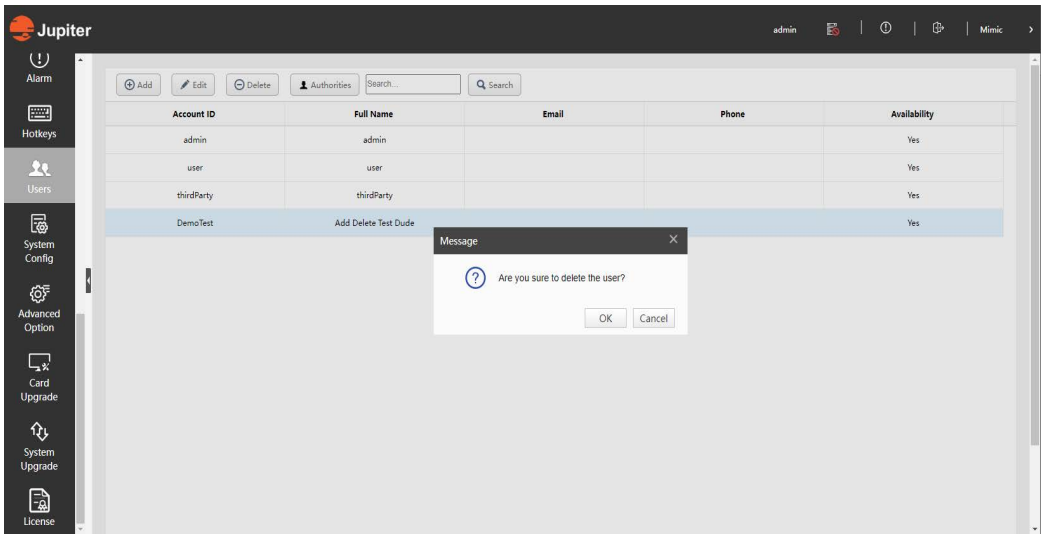
Edit User

1 *Select* **User** *within* **Settings** *menu pane*

2 *Select the user whose account you wish to modify and click the edit icon*

3 *Make the appropriate changes and click* **Yes** *to save the changes*

Figure 5.7: Delete user



Delete User

1 *Select* **User** *within the* **Settings** *menu pane*

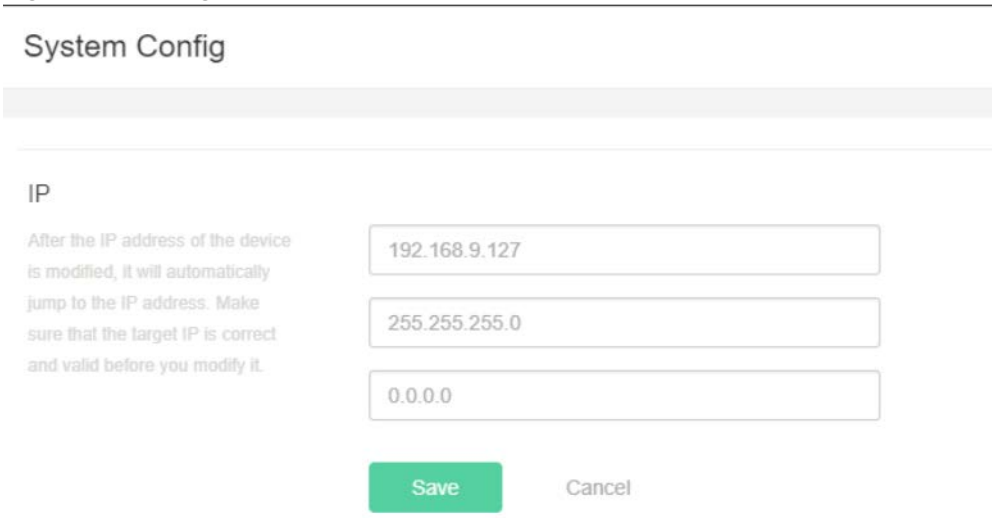
2 *Select the user whose account you wish to delete and click* **Delete**

3 *When asked to confirm deletion of the user, click* **O**

5.4 System Config

Change the IP Address of the J400/J600.

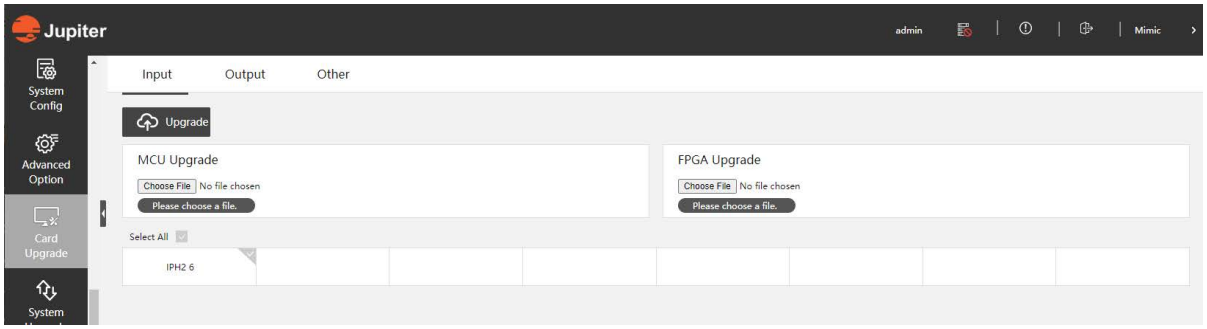
Figure 5.8: Change IP address



1. *Select* **System Config** *from the* **Settings** *pane*
2. *Enter the new IP address in the top text box*
3. *Click* **Save**

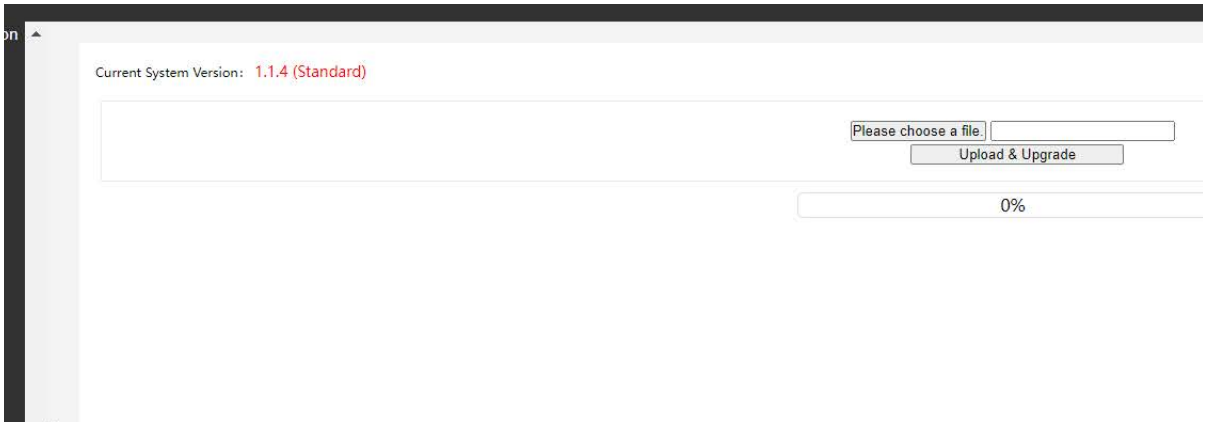
5.5 Board Upgrade

Figure 5.9: Board Upgrade page



5.6 System Upgrade

Figure 5.10: System Upgrade page



5.7 License

License page is only for demo units.

Figure 5.11: License page example

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Chapter 6
TECHNICAL SUPPORT

This chapter includes the following sections:

- *Hardware Faults*
- *Technical Assistance*
- *Contact Information*

6.1 Hardware Faults

If you require assistance with any suspected hardware fault, please contact the vendor from whom you purchased the display while within the full warranty period for the display.

6.2 Technical Assistance

If you require technical assistance, please contact Jupiter Systems' technical support team. Please provide as much information to the support team about the fault and any steps you have taken in trying to resolve the issue.

6.3 Contact Information

- Website
  www.jupiter.com /support
- Phone
  1-510-675-1000
- Email
  support@jupiter.com
- Mail (physical)
  ATTN: Technical Support
  Jupiter Systems
  31015 Huntwood Avenue
  Hayward, CA 94544-7007

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