



HDMI Video Wall Over IP Multicast System Controller User Manual



04-1215B

P/N: CE-H25411-S2

Safety and Notice

The device has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the device should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.



ESD CAUTION

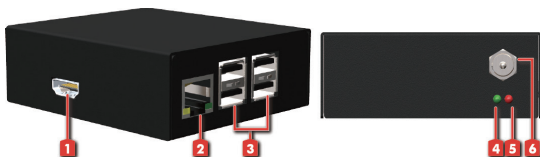
Features

- Control center of the IP-based Transmitter and Receiver
(CE-H28A11-S1, CE-H27F11-S1 & CE-H27G11-S1)
- Monitors all devices in one central system
- Cost effective solution for IoT
- Intuitive and powerful user interface
- Includes Web interface and mobile support
- Easy installation with auto-detection of transmitter and receiver units in the network.
- Drag-and-drop easy matrix switching
- Easy to create multiple video walls
- Schedule time for audio/video mapping, cycle-play and mute/resume
- Allows to create custom OSD
- Watch-dog with self-recovery
- Assigns the video sources for each display with account/password submit Supports video wall function
- Supports video wall function

Package contents

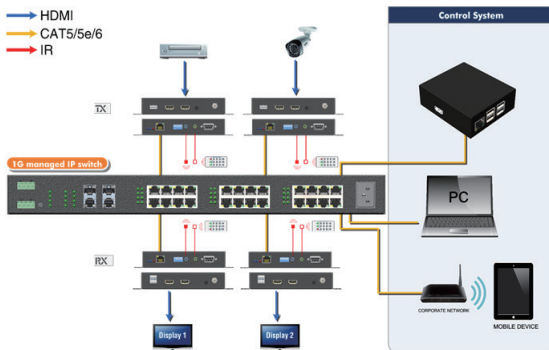
- HDMI Video Wall Over IP Multicast System Controller
- Power adapter DC 5V / 0.85A
- Rack-mounting ear set
- User Manual

Layout



1. **Output:** HDMI output, it displays the information of controller
2. **RJ-45:** Ethernet control port
3. **USB:** Reserved
4. **Activity LED indicator:** When the storage device is being used, the light will blink
5. **Power LED indicator:** When unit connect a power supply unit, the light will shine
6. **Power jack:** Connect to DC 5V/1A power adapter

Application

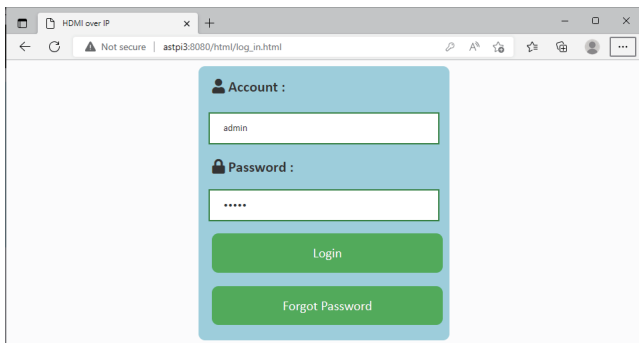


OPERATION

Installation Setup

1. Connect the PC & controller into the Gigabit IP Switch/ Router
2. Connect controller HDMI output to display. The display will show information, as below image. (Default DHCP Enable)
3. Open browser and type in controller's IP or type [Http://astpi3](http://astpi3) will into WEB control page. (*Default Account/Password are admin/admin)

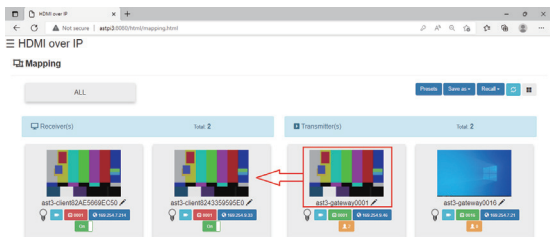
Device Name	HDMI over IP
Firmware	scaV1.00.00
System Time	2022-07-08:10:39:45
Link Status	Up, 100M Full
DHCP	Enabled
IP Address	192.168.100.145
Netmask	255.255.255.0
Gateway	192.168.100.1
DNS	8.8.8.8
MAC Address	B8:27:EB:58:0E:AB
URL	http://astpi3

The screenshot shows a web browser window with the title 'HDMI over IP'. The address bar shows 'astpi3:8080/html/log_in.html'. The page content is a login form with a light blue background. It includes an 'Account' section with a text input field containing 'admin', a 'Password' section with a password input field showing six dots, and two green buttons labeled 'Login' and 'Forgot Password'.

Mapping

On this Page, you can see runtime status of all TX/RX device in controller. The way to do input/output mapping is to drag TX icon to RX icon. It also provides 10 profile spaces to save the frequently used scenarios into the device. Clicking the profile button to preview the saved scenarios.



Type	Button	Function
RX/TX Settings		Edit device name
		Click the button to search for corresponding TX/RX device, and the device LED light will blink for 5-10 seconds.
		Sub-stream
		Channel
		IP address
		Turn on/off the Video
		Number of RX subscribed to this TX
Mapping Settings		Drag the TX icon to the  button to switch all RX
		Manage presets
		Provide 8 preset spaces for user to save
		Select which preset to recall
		Refresh the page
		Set the user interface of mapping table page

Video wall

(1) Video Wall Option

The method of setup the video wall is to do input/output mapping on the Mapping page, and then select RX in the RX list of the Video Wall page to set the layout.

(2) Bezel and Gap Compensation

Set the bezel and gap of the RX video wall to achieve seamless splicing of display screens. After completing the settings, click the "Apply" button to enable the bezel and gap Compensation.

•OW: outside width

•OH: outside height

•VW: viewable width

•VH: viewable height

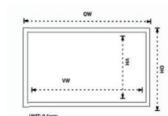
* VW must be less than OW and VH must be less than OH.

* The field may not be blank, if users do not need this function, please set all values to 1.

* The value must be an integer.

Bezel and Gap Compensation

OW	
OH	
VW	
VH	



(3)Wall Size & Position Layout

Set the layout to split the video into multiple zones.

Then set the row position and column position to select video zone to output. After completing the settings, click the button to enable the video wall.

The examples are as follow:

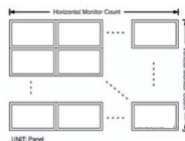
Layout	3x3	Row Position	Column Position		
			(0,0)	(0,1)	(0,2)
Row Position	1		(1,0)	(1,1)	(1,2)
Column Position	2		(2,0)	(2,1)	(2,2)

Wall Size & Position Layout

Layout x

Row Position

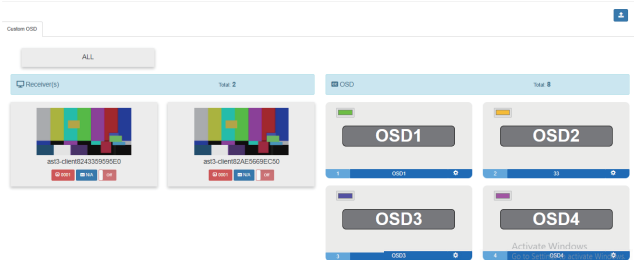
Column Position



OSD

There 8 custom OSD windows for users to input the texts or images to be shown with the video. User can click the  button to upload photos (only accept png or jpg files). Also click the  button to adjust the message text, photo, transparency, position, color and size. After setting, please drag the OSD window to RX window which you want to show the desired text or image.

OSD



OSD 1

Name
OSD1

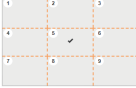
Type
Message

Message Text (Max: 20)
OSD1

Display time [s]
Forever

Message Position in Mask
Center aligned

1 2 3
4 5 6
7 8 9



Message Size
12

Message Color


Mask Transparency
31

X - Shift, Right (+) - Left (-)
50

Y - Shift, Down (+) - Up (-)
50

Close
Apply

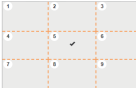
OSD 1

Name
OSD1

Type
Photo

Photo Position

1 2 3
4 5 6
7 8 9



Mask Transparency
31

X - Shift, Right (+) - Left (-)
50

Y - Shift, Down (+) - Up (-)
50

Display time [s]
Forever



Close
Apply

Setup

After connecting the HDMI over IP transmitter and receiver units to the Router/Ethernet Hub, the controller will automatically add the device into the control system.

*You can click the blink LED button to search corresponding transmitter/receiver device.

11

Setup

Devices Password System Config Firmware Update									
Devices in managed Update in 6 seconds									
Search									
Group	Type	Name	Device IP	MAC Address	Status				
0001	RC	ast3-client024335959509	192.254.9.33	82-43-35-95-95-E9	● 19 hr : 17 m : 16 s				
0001	TX	ast3-gateway0001	192.254.9.40	82-99-85-CA-82-C8	● 20 hr : 27 m : 05 s				
0001	RC	ast3-client024256808C30	192.254.7.214	82-AE-50-6B-EC-50	● 19 hr : 23 m : 16 s				
0010	TX	ast3-gateway0010	192.254.7.21	82-C9-2B-8C-91-6B	● 20 hr : 21 m : 31 s				

Showing 1 to 4 of 4 entries

TX

HDMI over IP

Transmitter Setup

Identification

Name

ast3-gateway0001

Join Time

21 hr : 05 m : 06 s

Type

TX

Group

0001

Device IP

192.254.9.40

MAC Address

82-99-85-CA-82-C8

System version

ast3.1.1.0-0001.0001

Status

Link

ON

Scale

100

Information

Name

ast3-gateway0001

(Click to show details)

Channel

0001

AVI Setting

AV Mode

Auto

EDID Setting

Resolutions

Auto

(Click to show details for setting about)

HotP Setting

HotP

Off

(Click to show details for setting about)

Control Panel

Control

Reset

Exit

RX

HDMI over IP

Receiver Setup

Identification

Name

ast3-client024335959509

Join Time

21 hr : 05 m : 06 s

Type

RC

Group

0001

Device IP

192.254.9.33

MAC Address

82-43-35-95-95-E9

System version

ast3.1.1.0-0001.0001

Status

Link

ON

TV

100

Information

Name

ast3-client024335959509

Channel

0001

AVI Setting

Streaming Video

On

Setting

Auto Through

Scale

Auto

EDID Setting

Resolutions

Auto

(Click to show details for setting about)

HotP Setting

HotP

Off

(Click to show details for setting about)

Control Panel

Control

Reset

Exit

12

Password

Setup

[Devices](#)
[Password](#)
[System Config](#)
[FW Update](#)

Change Password

Old Password :

New Password :

Confirm Password :

Confirm

Sysconfig

Setup

[Devices](#)
[Password](#)
[System Config](#)
[FW Update](#)

System Config

Time Config

Time Zone

Tajpur - UTC +5

System Time

2023-07-08 10:54:30

Network Config

UI Setting

FW update

Setup

[Devices](#)
[Password](#)
[System Config](#)
[FW Update](#)

FW Update

Upload FW File (.zip)

History

History

Date Range: 2023-07-08 - 2023-07-08

Show 10 entries

Search

Time	Type	Event
2023-07-08-00:23	Mapping	ant5-client82425889C38 is offline
2023-07-08-00:23	Mapping	ant5-client82433568482 is offline
2023-07-08-00:23	Mapping	ant5-client824345889C38 is online
2023-07-08-00:23	Mapping	ant5-client82433568482 is online
2023-07-08-00:45	Mapping	ant5-gateway6018 is offline
2023-07-08-00:45	Mapping	ant5-gateway6018 is online
2023-07-08-01:14	Mapping	ant5-client82433568482 is offline
2023-07-08-01:14	Mapping	ant5-client82433983982 is online
2023-07-08-01:30	Mapping	ant5-gateway6001 is offline
2023-07-08-01:30	Mapping	ant5-client824345889C38 is offline

Showing 1 to 10 of 28 entries (Filtered from 72 total entries)

Previous

1

2

3

Next

Blank Page

Blank Page

Dear Valued Customer

**WE REALLY
APPRECIATE
YOUR PURCHASE**

~thank you~

Support

For more info or tech support

<http://www.siig.com/support>

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