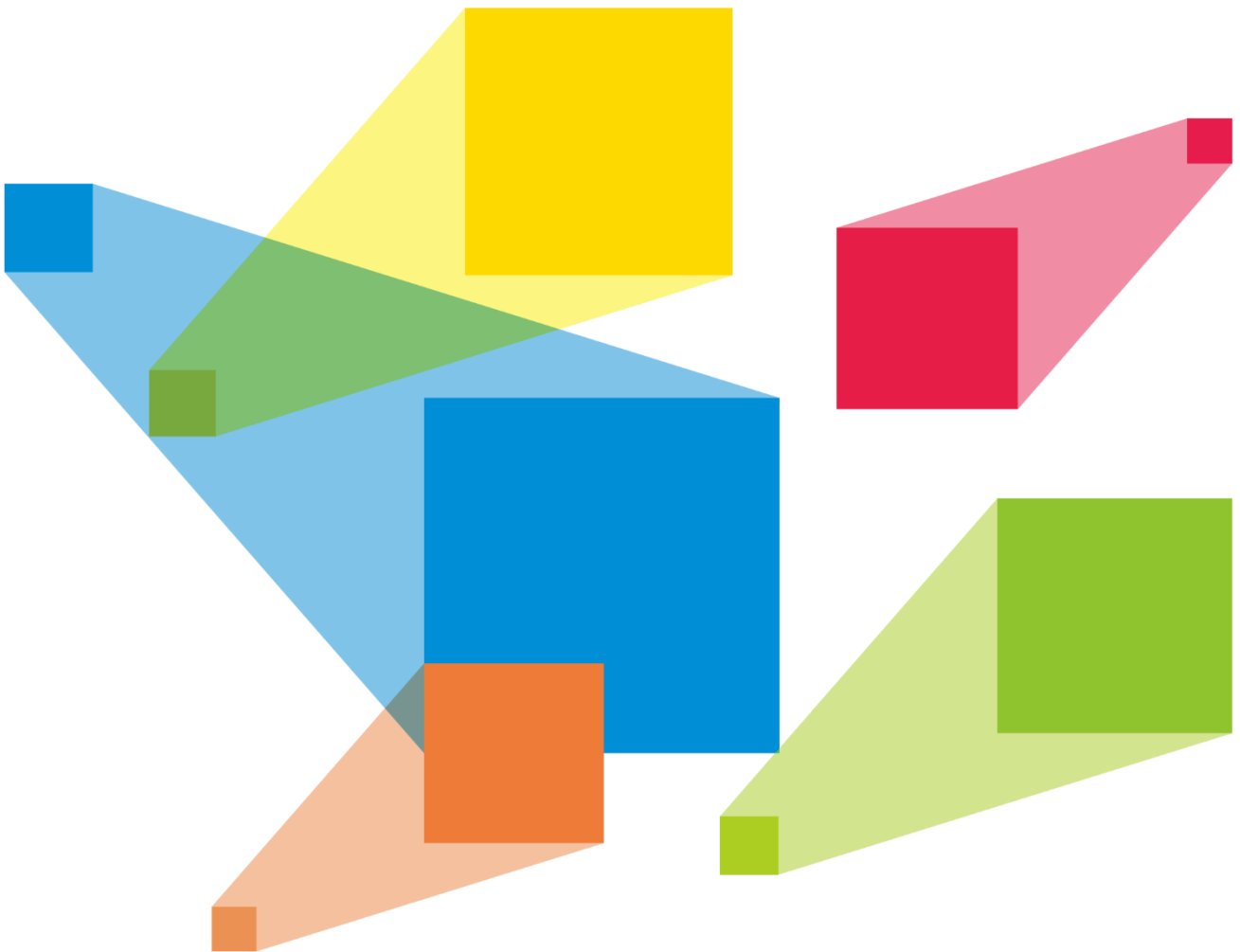


TAA COMPLIANT

H Series

Video Wall Splicers



Specifications

Change History

Document Version	Release Date	Description
V1.0.0	2024-01-16	First release

Introduction

The H series is manufactured in the United States or countries designated in the U.S. Trade Agreements Act (TAA). The H series is the newest generation of video wall splicers, featuring excellent image quality and designed especially for fine-pitch LED screens. The H series can work as splicing processors that integrate both video processing and video control capabilities, or work as pure splicing processors. The whole unit adopts a modular and plug-in design, and allows for flexible configuration and hot swapping of input and output cards. Thanks to excellent features and stable performance, the H series can be widely used in a variety of applications, such as energy and power, judicial departments and prisons, military command, water conservancy and hydrology, meteorologic earthquake prediction, enterprise management, metallurgy of steel, banking and finance, national defense, public security traffic management, exhibitions and presentations, production scheduling, radio and television, educational and scientific research, as well as stage rental applications.

Based on the powerful hardware FPGA system architecture, with a modular and plug-in design, the H series features a stable and highly efficient pure hardware architecture, and provides a variety of connector modules for flexible and personalized configuration, allowing for easy maintenance and low failure rate. The H series provides the industry-standard input connectors, including HDMI, DVI, DP, VGA, CVBS, SDI and IP, and supports 10-bit video source input and processing, as well as 4K high-definition inputs and outputs. The H series also provides three kinds of LED 4K sending cards, allowing for the backup between the OPT ports and Ethernet ports as well as ultra-long distance transmission. Moreover, the H series supports multi-screen and multi-layer management, input and output EDID management and monitoring, input source renaming, BKG and OSD settings and more, bringing you a rich image construction experience.

In addition, the H series adopts the B/S architecture and supports cross-platform, cross-system access and control without the need to install an application program. On a Windows, Mac, iOS, Android or Linux platform, online collaboration of multiple users is supported and the Web page response speed is very fast, which greatly improves on-site setup efficiency. What's more, the H series supports online firmware update, allowing for easy hardware update on a PC.

Certifications

RCM, FCC

If the product does not have the relevant certifications required by the countries or regions where it is to be sold, please contact NovaStar to confirm or address the problem. Otherwise, the customer shall be responsible for the legal risks caused or NovaStar has the right to claim compensation.

Features

Modular and plug-in design, free combination at your will

- Three kinds of LED 4K sending cards
 - H_20xRJ45 sending card loads up to 13,000,000 pixels.
 - H_16xRJ45+2xfiber sending card loads up to 10,400,000 pixels and provides two OPT ports that copy the outputs on Ethernet ports.
 - H_4xfiber sending card loads up to 20,800,000 pixels and supports three working modes, including independent, copy and backup.
 - The three cards mentioned above cannot be used together to load the same screen.
- Multi-capacity configuration on a single card slot
 - 4x 2Kx1K@60Hz
 - 2x 4Kx1K@60Hz
 - 1x 4Kx2K@60Hz
- Simple screen configuration using a single card and connector
- Online status monitoring of all input and output cards
- Hot-swappable input and output cards
- H_2xRJ45 IP input card supports up to 512 IP camera inputs and input mosaic.
- Auto decryption of HDCP-encrypted sources
- Decimal frame rates supported
- HDR10 and HLG processing

Multi-screen management for centralized control

- Each screen can have its own output resolution.
- Output mosaic

Adopts the frame synchronization technology, which ensures all the output connectors output the image synchronously, and the image is

- complete and played smoothly, without any stuck, frame loss, tearing or piecing.
- Irregular screen configuration
Supports irregular rectangle mosaic without any limitations.
- Input source grouping management
- Eye saver mode
Display the image in a warmer but less bright way to relieve eye strain.
- LCD bezel compensation

Diverse display possibilities for flexible configuration

- Multi-layer display
A single card supports 16x 2K layers, 8x DL layers or 4x 4K layers.
All layers support cross-connector output and the layer quantity is not reduced for cross-connector output.
- High-definition scrolling text
Customize the scrolling text content, such as slogans or notification messages, and set the text style, scrolling direction and speed.
- Up to 2,000 presets
Fade effect and seamless switching supported, less than 60ms preset switching duration
- Scheduled playback of preset playlist
Set whether to add the presets to playlist, which is ideal for monitoring, exhibitions, presentations, and other applications.
- OSD settings on a single screen and adjustable OSD transparency
- BKG settings
BKG images do not occupy the layer resources.
The max. width and height of a BKG image is up to 15K and 8K respectively.
- Channel logo management
Set a text or image logo for identifying the input source.
- Input source cropping and renaming after cropping
Crop any input source image and form a new input source after cropping.
- HDR and 10-bit video processing, allowing for a more exquisite and clear image
- Color adjustment
Output connector color and screen color adjustable, including the brightness, contrast, saturation, hue and Gamma
- XR scenario control
- 3D function
Work with the 3D emitter – EMT200 to enjoy the 3D visual effect.
- Low latency
Reduce the latency from the input source to the receiving card to as low as 1 frame.

Web-page control, easy, friendly and convenient

- Web control
Real-time response and 1000M/100M self-adaptive network control, allowing for multi-user collaboration
- Monitoring of inputs and outputs on Web page
- Firmware update on Web page
- Ark Visualized Management and Control Platform app control on pad device

Status monitoring for better stability and reliability

- Self-test for fault detection
- Auto monitoring and alarms
Supports hardware monitoring, such as fan rotation speed, module temperature and voltage, running status, and sends fault alarms if necessary.
- Backup design
 - Backup between devices
 - Backup between LED 4K sending cards

Appearance

Front Panel



*The picture shown is for illustration purpose only. Actual product may vary due to product enhancement.

Notes:

- This product can only be placed horizontally. Do not mount vertically or upside-down.
- The product can be mounted in a standard 19-inch rack capable of withstanding at least four times the total weight of the mounted equipment. Four M5 screws should be used to fix the product.

Name	Description
LCD screen	Displays the device status and monitoring information.

Rear Panel



*The picture shown is for illustration purpose only. Actual product may vary due to product enhancement.

Notes:

- The silkscreen marking "I-x" or "I/x" indicates the slot is dedicated to the input card. "I" stands for input and "x" stands for the slot number. For example, "I-1" indicates this slot is the 1st input slot and for installing an input card only.
- The silkscreen marking "O-x" or "O/x" indicates the slot is dedicated to the output card. "O" stands for output and "x" stands for the slot number. For example, "O-10" indicates this slot is the 10th output slot and for installing an output card only.
- The silkscreen marking $\frac{I-x}{MVR}$ indicates the slot can accept an input card or preview card.

Input Card

H_4xDVI input card



Support for single link and dual link input modes, and 10-bit input source

HDCP 1.4 compliant

Does not support interlaced signal input.

- Single link mode:
 - Four DVI connectors are all used for input.
 - Each connector supports the maximum resolution of 2048×1152@60Hz and the minimum resolution of 800×600@60Hz.
 - Custom resolutions:
 - Max. width: 2560 pixels (2560×972@60Hz)
 - Max. height: 2560 pixels (884×2560@60Hz)
- Dual link mode:
 - Connectors 2 and 4 are used for input, and connectors 1 and 3 are unavailable.
 - Each connector supports the maximum resolution of 3840×1080@60Hz and the minimum resolution of 800×600@60Hz.
 - Custom resolutions:
 - Max. width: 3840 pixels (3840×1124@60Hz)
 - Max. height: 4095 pixels (1014×4095@60Hz)

Status LEDs:

- On: The input source is accessed normally.
- Off: No input source is accessed or the input source is abnormal.

H_4xHDMI input card



Support for 10-bit input source



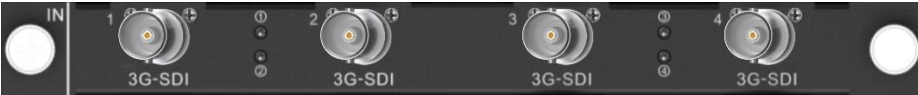
Does not support interlaced signal input.

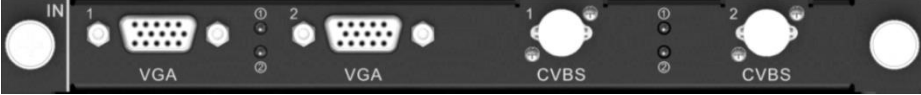

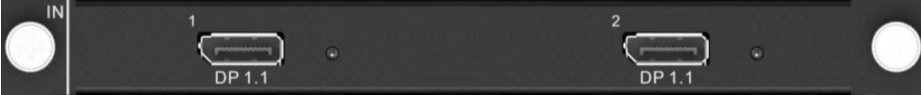

For HDMI 1.3 inputs:


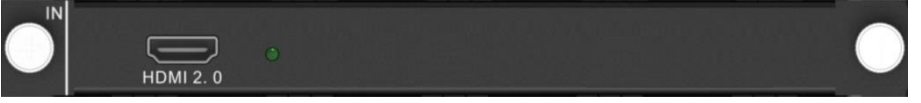
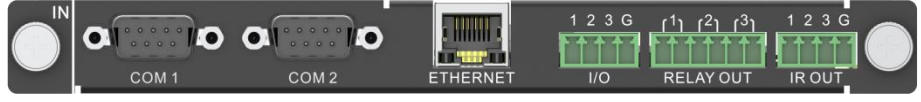
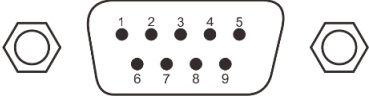
- Four connectors are all used for input.
- Each connector supports the maximum resolution of 2048×1152@60Hz, and the minimum resolution of 800×600@60Hz.
- Custom resolutions:
 - Max. width: 2560 pixels (2560×972@60Hz)
 - Max. height: 2560 pixels (884×2560@60Hz)
- HDCP 1.4 compliant

For HDMI 1.4 inputs:

- Two HDMI 1.4 connectors are used for input, but two HDMI 1.3 connectors are unavailable.
- Each connector supports the maximum resolution of 3840×1080@60Hz.
- Custom resolutions:
 - Max. width: 3840 pixels (3840×1124@60Hz)
 - Max. height: 4095 pixels (1014×4095@60Hz)
- HDCP 1.4 compliant

	<p>Status LEDs:</p> <ul style="list-style-type: none"> ● On: The input source is accessed normally. ● Off: No input source is accessed or the input source is abnormal.
<p>H_1xHDMI2.0+1xDP1.2 input card</p>	 <p>Only one connector can be used each time.</p> <p>Set to use which connector on the Web page. The default option is HDMI 2.0 connector.</p> <p>Does not support interlaced signal input.</p> <ul style="list-style-type: none"> ● 1x HDMI 2.0 <ul style="list-style-type: none"> - Backward compatible with HDMI 1.4 and HDMI 1.3 - Supports the maximum resolution of 3840×2160@60Hz. - HDCP 2.2 compliant - Custom resolutions: <ul style="list-style-type: none"> Max. width: 4092 pixels (4092×2261@60Hz) Max. height: 4095 pixels (2188×4095@60Hz) ● 1x DP 1.2 <ul style="list-style-type: none"> - Backward compatible with DP 1.1 - Supports the maximum resolution of 4096×2160@60Hz or 8192×1080@60Hz. - HDCP 2.2 compliant - Custom resolutions: <ul style="list-style-type: none"> Max. width: 8192 pixels (8192×1146@60Hz) Max. height: 4095 pixels (2188×4095@60Hz) <p>Status LEDs:</p> <ul style="list-style-type: none"> ● On: The input source is accessed normally. ● Off: No input source is accessed or the input source is abnormal.
<p>H_2xRJ45 IP input card</p>	 <p>2x RJ45 Gigabit Ethernet ports</p> <p>Support for interlaced signal input</p> <ul style="list-style-type: none"> ● Supported protocols: RTSP, GB28181 and ONVIF ● Supported coding formats: H.264 and H.265 ● Single card decoding capability: <ul style="list-style-type: none"> - 4x 4K×2K - 8x 4K×1K - 16x 2K×1K ● DHCP compliant
<p>H_4x3G SDI input card</p>	 <p>4x 3G-SDI</p> <ul style="list-style-type: none"> ● Backward compatible with HD-SDI and SD-SDI ● Supports ST-424 (3G), ST-292 (HD) and SMPTE 259 SD. ● Each connector supports the maximum resolution of 1920×1080@60Hz. ● Supports 1080i/576i/480i de-interlacing processing. <p>Status LEDs:</p>


	<ul style="list-style-type: none"> ● On: The input source is accessed normally. ● Off: No input source is accessed or the input source is abnormal.
<p>H_2xCVBS+2xVGA input card</p>	 <p>2x VGA</p> <ul style="list-style-type: none"> ● Each connector supports the maximum resolution of 1920x1200@60Hz. <p>2x CVBS</p> <ul style="list-style-type: none"> ● Supports PAL and NTSC. <p>Status LEDs:</p> <ul style="list-style-type: none"> ● On: The input source is accessed normally. ● Off: No input source is accessed or the input source is abnormal.
<p>H_4xVGA input card</p>	 <p>4x VGA</p> <ul style="list-style-type: none"> ● Each connector supports the maximum resolution of 1920x1200@60Hz. <p>Status LEDs:</p> <ul style="list-style-type: none"> ● On: The input source is accessed normally. ● Off: No input source is accessed or the input source is abnormal.
<p>H_2xDP1.1 input card</p>	 <p>2x DP1.1</p> <ul style="list-style-type: none"> ● Each connector supports the maximum resolution of 3840x1080@60Hz or 3840x2160@30Hz. ● Custom resolutions: <ul style="list-style-type: none"> – Max. width: 3840 pixels (3840x1124@60Hz) – Max. height: 4095 pixels (1014x4095@60Hz) ● Supports 8-bit and 10-bit inputs. ● Does not support interlaced signal input. ● HDCP 1.3 compliant <p>Status LEDs:</p> <ul style="list-style-type: none"> ● On: The input source is accessed normally. ● Off: No input source is accessed or the input source is abnormal.
<p>H_1xDP1.2 input card</p>	 <p>1x DP 1.2</p> <ul style="list-style-type: none"> ● Backward compatible with DP 1.1 ● Each connector supports the maximum resolution of 4096x2160@60Hz or 8192x1080@60Hz. ● Custom resolutions: <ul style="list-style-type: none"> – Max. width: 8192 pixels (8192x1146@60Hz) – Max. height: 4095 pixels (2188x4095@60Hz) ● HDCP 2.2 compliant <p>Status LEDs:</p>

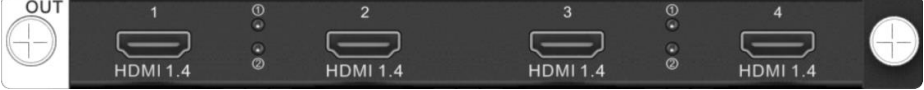
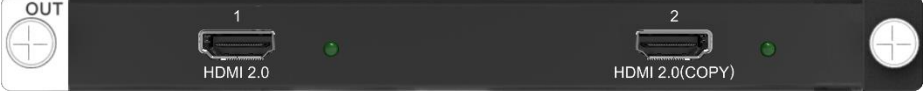
	<ul style="list-style-type: none"> • On: The input source is accessed normally. • Off: No input source is accessed or the input source is abnormal.
<p>H_1x12G SDI input card</p>	 <ul style="list-style-type: none"> • 1x 12G-SDI IN <ul style="list-style-type: none"> - Backward compatible with 6G-SDI, 3G-SDI, HD-SDI and SD-SDI - Supports ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), ST-292 (HD) and SMPTE 259 SD. - Each connector supports the maximum resolution of 4096x2160@60Hz. - Supports 1080i/576i/480i de-interlacing processing. - Does not support input resolution and bit depth settings. • 1x 12G-SDI LOOP <ul style="list-style-type: none"> - Loop out the 12G-SDI signal. • Status LEDs: <ul style="list-style-type: none"> - On: The input or loop output is connected normally. - Off: No input or loop output is connected or the input or loop output is abnormal.
<p>H_1xHDMI2.0 input card</p>	 <p>1x HDMI 2.0</p> <ul style="list-style-type: none"> • Backward compatible with HDMI 1.4 and HDMI 1.3 • Each connector supports the maximum resolution of 3840x2160@60Hz. • HDCP 2.2 compliant • Custom resolutions: <ul style="list-style-type: none"> - Max. width: 4092 pixels (4092x2261 @60Hz) - Max. height: 4095 pixels (2188x4095 @60Hz) • Status LEDs: <ul style="list-style-type: none"> - On: The input source is accessed normally. - Off: No input source is accessed or the input source is abnormal.
<p>H_STD I/O card</p>	 <p>This card can be installed into the input card slots.</p> <ul style="list-style-type: none"> • 2x COM <ul style="list-style-type: none"> - Programmable RS422/RS485/RS232 ports that are used to control the devices that adopt RS422/RS485/RS232 protocol - COM port pins are shown as below:  <ul style="list-style-type: none"> - Pin wirings are shown as below:

PIN	1	2	3	4	5	6	7	8	9
RS-232	—RXD—TXD—		—GND—						
RS-422	RXD-	—TXD+		GND	RXD+	—TXD-			
RS-485	—A—				—B—				

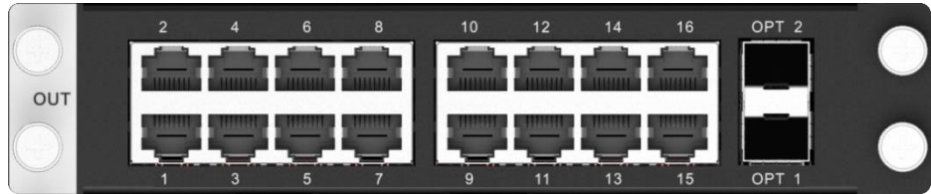
- 1x ETHERNET
 - Control the device that is connected to this card.
 - 10/100Mbps self-adaptive
 - TCP/IP protocol and UDP/IP protocol supported
- 3x I/O
 - Trigger the execution of the function requirements via programming.
 - Input and output modes supported
 - Pins 1, 2 and 3 can be set to either the input or output, and pin G is the common grounding pin for pins 1, 2 and 3.
- 3x RELAY OUT
 - Connect to the relay to control the power on and off of the connected device.
 - Voltage: 30 VDC, current: 3A at maximum
 - Six pins are divided into three groups, which can be connected or disconnected via programming.
- 3x IR OUT
 - Programmable infrared control supported
 - Pins 1, 2 and 3 are used for infrared emission, and pin G is the common grounding pin for pins 1, 2 and 3.

Output Card

<p>H_4xDVI output card</p>	 <p>4x SL-DVI</p> <p>Support for single output and dual link output</p> <ul style="list-style-type: none"> • Single link output: <ul style="list-style-type: none"> - Four connectors are all available for output. - Each connector supports the maximum resolution of 2048x1152@60Hz. - Custom resolutions: Max. width: 2560 pixels (2560x972@60Hz) Max. height: 2560 pixels (884x2560@60Hz) - Supports 8-bit RGB 4:4:4/YCbCr 4:4:4/YCbCr 4:2:2 output. - Supports 10-bit YCbCr 4:4:4 output. • Dual link output: <ul style="list-style-type: none"> - Connectors 2 and 4 are available for output. - Connector 1 copies the output on connector 2, and connector 3 copies the output on connector 4. - Adopts HDMI 1.4 protocol. - Each connector supports the maximum resolution of 4096x2160@30Hz/3840x1080@60Hz. - Custom resolutions: Max. width: 4096 pixels (4096x1124@60Hz) Max. height: 4096 pixels (1014x4096@60Hz)
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	<ul style="list-style-type: none"> - Supports 8-bit RGB 4:4:4/YCbCr 4:4:4/YCbCr 4:2:2 output. - Supports 10-bit YCbCr 4:4:4 output. <p>Status LEDs:</p> <ul style="list-style-type: none"> • On: The output connector is connected normally. • Off: The output connector is not connected.
H_4xHDMI output card	 <p>4x HDMI 1.4</p> <p>Support for single output and dual link output</p> <ul style="list-style-type: none"> • Single link output: <ul style="list-style-type: none"> - Four connectors are all available for output. - Each connector supports the maximum resolution of 2048x1152@60Hz. - Custom resolutions: <ul style="list-style-type: none"> Max. width: 2560 pixels (2560x972@60Hz) Max. height: 2560 pixels (884x2560@60Hz) - Supports 8-bit RGB 4:4:4/YCbCr 4:4:4/YCbCr 4:2:2 output. - Supports 10-bit RGB 4:4:4/YCbCr 4:4:4 output. • Dual link output: <ul style="list-style-type: none"> - Connectors 2 and 4 are available for output. Connector 1 copies the output on connector 2, and connector 3 copies the output on connector 4. - Each connector supports the maximum resolution of 4096x2160@30Hz/3840x1080@60Hz. - Custom resolutions: <ul style="list-style-type: none"> Max. width: 4096 pixels (4096x1124@60Hz) Max. height: 4096 pixels (1014x4096@60Hz) - Supports 8-bit RGB 4:4:4/YCbCr 4:4:4/YCbCr 4:2:2 output. - Supports 10-bit RGB 4:4:4/YCbCr 4:4:4 output. <p>Status LEDs:</p> <ul style="list-style-type: none"> • On: The output connector is connected normally. • Off: The output connector is not connected.
H_1xHDMI2.0 output card	 <ul style="list-style-type: none"> • 2x HDMI 2.0 <ul style="list-style-type: none"> - Connector 2 copies the output on connector 1. - The connector supports the maximum resolution of 8192x1080@60Hz/4096x2160@60Hz. - Custom resolutions: <ul style="list-style-type: none"> Max. width: 8192 pixels (8192x1146@60Hz) Max. height: 7680 pixels (1092x7680@60Hz) - Supports 8-bit or 10-bit RGB 4:4:4/YCbCr 4:4:4/YCbCr 4:2:2 output. • Status LEDs: <ul style="list-style-type: none"> - On: The output connector is connected normally. - Off: The output connector is not connected.

H_16xRJ45+2xfiber sending card



LED 4K sending card can load up to 10,400,000 pixels (max. width: 10,240 pixels, max. height: 10,240 pixels).

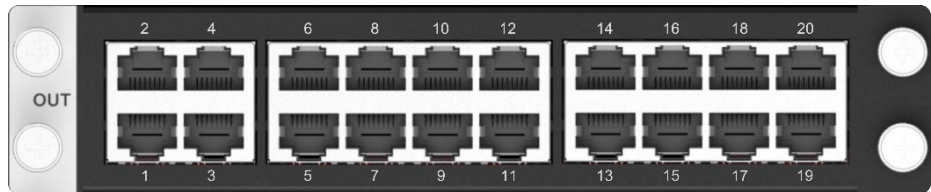
This card occupies two slots.

- 16x RJ45 Gigabit Ethernet outputs
 - Bit depth: 8-bit
A single Ethernet port loads up to 650,000 pixels.
 - Bit depth: 10-bit
A single Ethernet port loads up to 320,000 pixels.
 - Backup between Ethernet ports
- 2x OPT outputs
 - Support both SMF and MMF transmission.
 - OPT 1 copies and outputs the data on Ethernet ports 1–8.
 - OPT 2 copies and outputs the data on Ethernet ports 9–16.

Note:

For the optical module connected to the OPT port, you need to order or purchase separately.

H_20xRJ45 sending card



LED 4K sending card can load up to 13,000,000 pixels (max. width: 10,752 pixels, max. height: 10,752 pixels).

This card occupies two slots.

- 20x RJ45 Gigabit Ethernet outputs
 - Bit depth: 8-bit
A single Ethernet port loads up to 650,000 pixels.
 - Bit depth: 10-bit
A single Ethernet port loads up to 320,000 pixels.
- Backup between Ethernet ports


H_4xfiber sending card

**4x 10G OPT ports**

This card can load up to 20,800,000 pixels (max. width: 16,384 pixels, max. height: 16,384 pixels)

- Independent, copy and backup modes are supported.
- SM and MM optical modules are both supported, with a transmission distance of up to 10 km.
- Supports 8-bit and 10-bit outputs.
- The optical module supports SFP+ encapsulation. The supported module specifications include the followings:
 - 10G SFP+ SR optical module
 - 10G SFP+ LRM optical module

	<ul style="list-style-type: none"> - 10G SFP+ LR optical module - 10G SFP+ ER optical module - 10G SFP+ ZR optical module - SFP+ CWDM optical module - SFP+ DWDM optical module - SFP+ BIDI optical module <p>Independent Four OPT ports are all used for output and have the same loading capacity. The loading capacity of one port is equal to that of 8 Ethernet ports.</p> <p>Copy OPT 1 and OPT 2 are used for main output. OPT 3 copies the output on OPT 1, while OPT 4 copies the output on OPT 2.</p> <p>Backup OPT 1 and OPT 2 are used for main output. OPT 3 serves as the backup of OPT 1, while OPT 4 serves as the backup of OPT 2.</p> <p>Notes:</p> <ul style="list-style-type: none"> • Four 10G SFP+ LR optical modules are included with the card and are already installed into the OPT ports. • When the screen is loaded by the H_4xfiber sending card, the preset transition effect supports cut only. • When the screen is loaded by the H_4xfiber sending card, LCT V5.4.4.6.CRM7401 is required for screen configurations.
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H_2xRJ45+1xHDMI1.3 preview card	 <ul style="list-style-type: none"> • 2x RJ45 Gigabit Ethernet outputs Connect to the network for monitoring the inputs and outputs. • 1x HDMI 1.3 Connect to a monitor for displaying the monitoring information.
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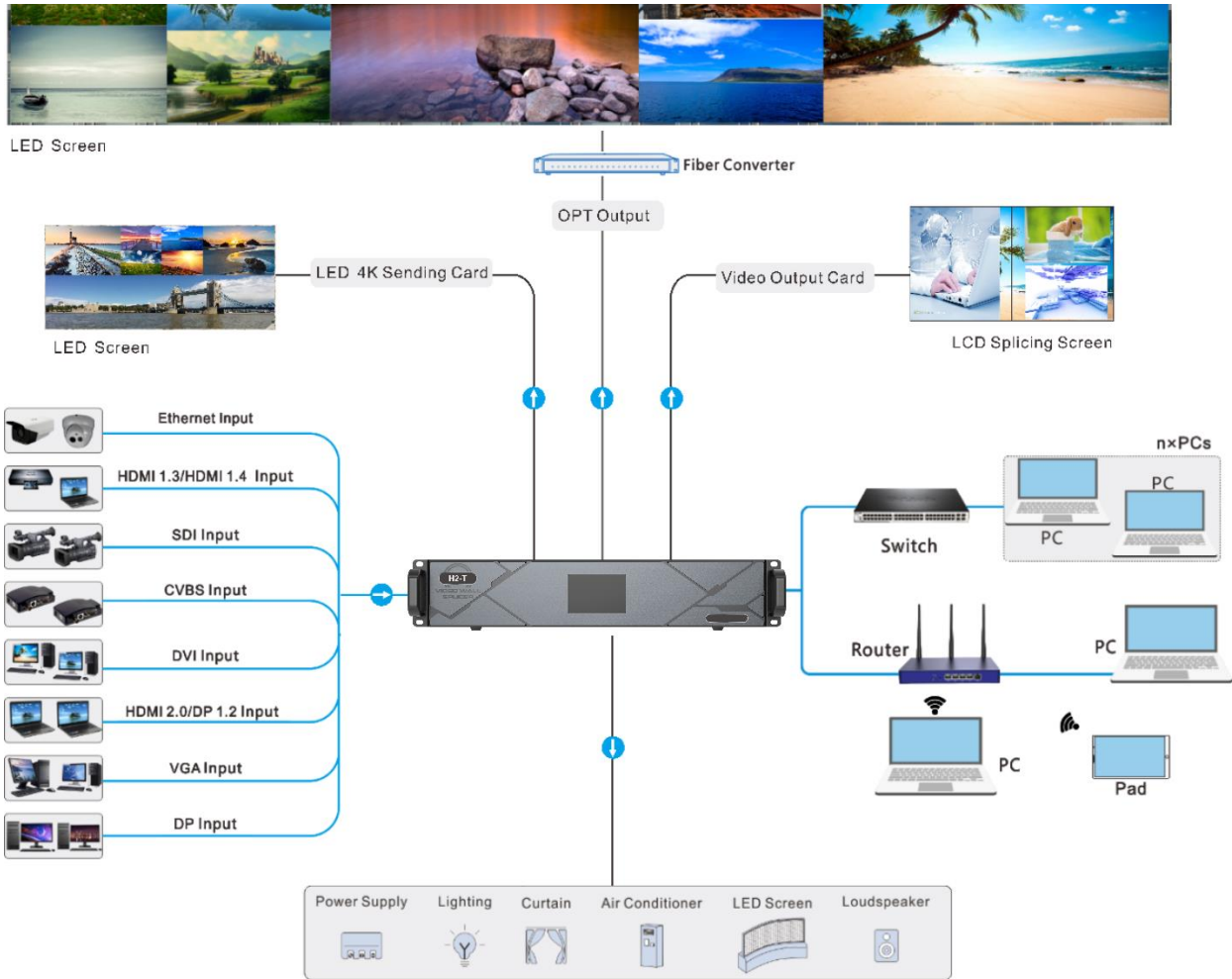
H_Control Card



GENLOCK	<p>Supports bi-level and tri-level.</p> <ul style="list-style-type: none"> • IN: Accept the Genlock signal. • LOOP: Loop the Genlock signal.
ETHERNET	<p>A Gigabit Ethernet port</p> <ul style="list-style-type: none"> • Connect to the control PC for communication. • Connect to the router, switch or PC. • For Web control and LCT screen configuration
USB 1 & USB 2	<p>2x USB 2.0</p> <ul style="list-style-type: none"> • Update the device program. • Import or export the device configuration parameters. <p>Note: The USB connectors cannot provide power for the connected devices.</p>
COM	<p>A serial port that adopts RS232 serial protocol</p> <p>Support for central control system</p>

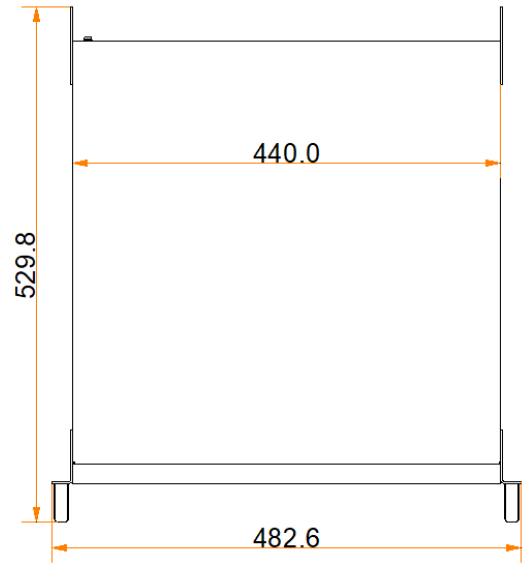
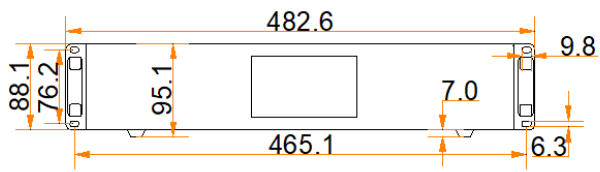
	<ul style="list-style-type: none"> ● IN: Accept the signal from the central control system. ● OUT: Loop the signal. <p>Note:</p> <p>The COM port cannot be connected to the network (router or switch) or LED cabinet (receiving card).</p>
Power switch	<ul style="list-style-type: none"> ● - / ON: Power on the device. ● O / OFF: Power off the device.

Applications

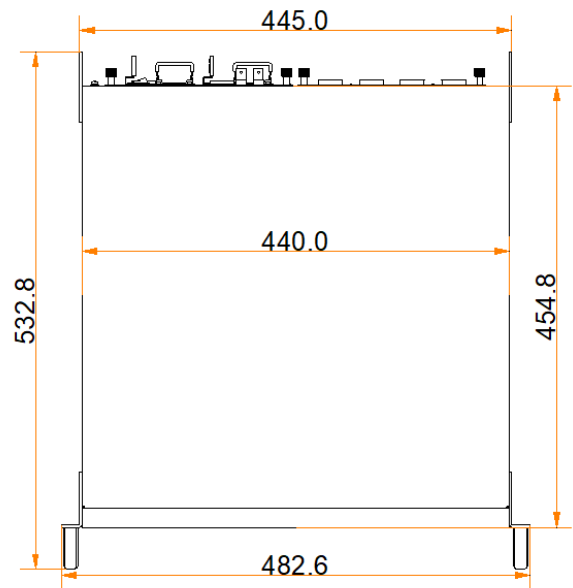
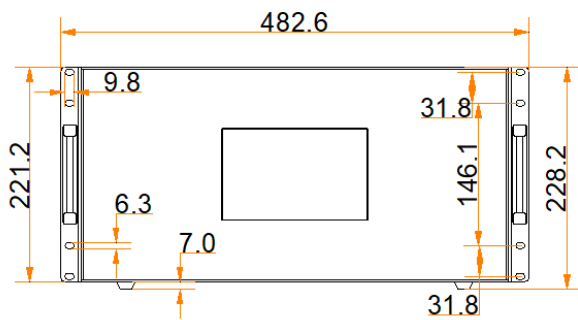


Dimensions

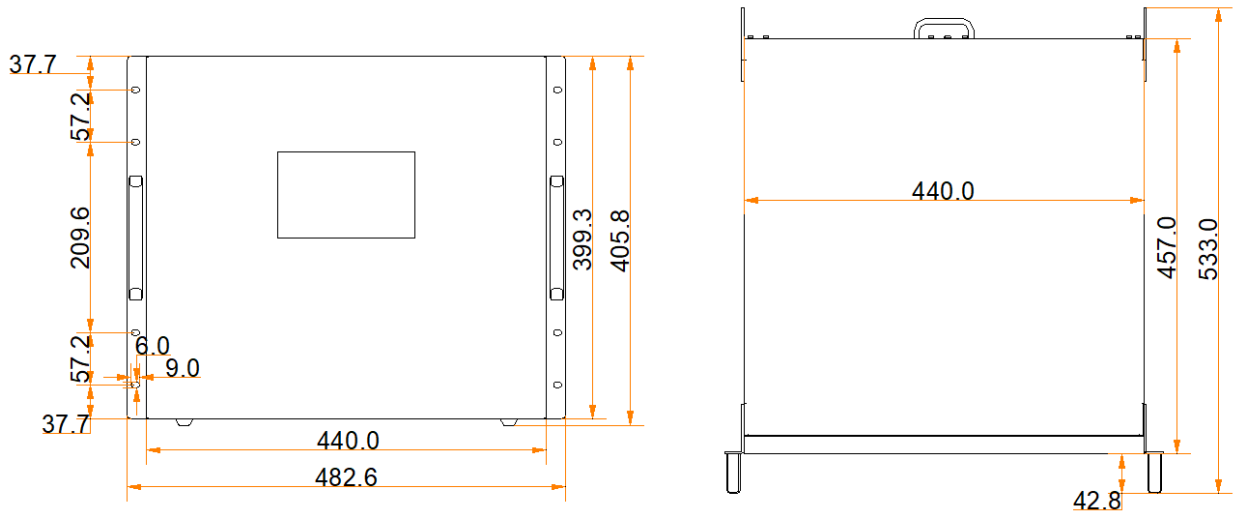
H2-T



H5-T



H9-T



Tolerance: ±0.3 Unit: mm

Specifications

Model		H2-T	H5-T	H9-T
Rack Unit		2U	5U	9U
Max. Input Cards		4	10	15
Max. Input Channels		16	40	60
Max. Output Cards		2	3	5
Max. Output Channels		8	12	20
Max. Loading Capacity	H_16xRJ45+2xfiber sending card	20.8 million pixels	31.2 million pixels	52 million pixels
	H_20xRJ45 sending card	26 million pixels	39 million pixels	65 million pixels
	H_4xfiber sending card	41.6 million pixels	62.4 million pixels	104 million pixels
Max. Layers		32	48	80
Electrical Specifications	Power connector	100–240V~, 50/60Hz, 4.0A	100–240V~, 50/60Hz, 10A–5A Note: The H5-T comes with a single power supply. A redundant power supply is optional.	100–240V~, 50/60Hz, 10A–5A Note: The H9-T comes with a single power supply. A redundant power supply is optional.
	Power consumption	210 W	400 W	450 W

Operating Environment	Temperature	0°C to 45°C		
	Humidity	0% RH to 80% RH, non-condensing		
Storage Environment	Temperature	-10°C to +60°C		
	Humidity	0% RH to 95% RH, non-condensing		
Physical Specifications	Dimensions	482.6 mm x 529.8 mm x 88.1 mm	482.6 mm x 532.8 mm x 228.2 mm	482.6 mm x 533.0 mm x 405.8 mm
	Net weight	11 kg (chassis)	17 kg (chassis)	27.2 kg (chassis)
	Gross weight	12.2 kg (chassis)	21.3 kg (chassis)	35.3 kg (chassis)
Noise Level (typical at 25°C /77°F)		< 45 dB (A)		
Packing Information	Packing box	660 mm x 570 mm x 210 mm	780 mm x 615 mm x 345 mm	780 mm x 680 mm x 590 mm
	Accessories	1x Power cord 1x RJ45 Ethernet cable 1x Grounding cable 1x HDMI cable 1x Certificate of Approval		

Video Source Features

Input Connector	Color Depth		Max. Input Resolution
HDMI 2.0	8-bit	RGB 4:4:4	4096x2160@60Hz
		YCbCr 4:4:4	8192x1080@60Hz
		YCbCr 4:2:2	
		YCbCr 4:2:0	4096x2160@60Hz
	10-bit	RGB 4:4:4	4096x2160@30Hz
		YCbCr 4:4:4	4096x1080@60Hz
		YCbCr 4:2:2	4096x2160@60Hz
		YCbCr 4:2:0	
	12-bit	RGB 4:4:4	4096x2160@30Hz
		YCbCr 4:4:4	4096x1080@60Hz
		YCbCr 4:2:2	4096x2160@60Hz
		YCbCr 4:2:0	
DP 1.2	8-bit	RGB 4:4:4	4096x2160@60Hz

Input Connector	Color Depth		Max. Input Resolution
		YCbCr 4:4:4	8192x1080@60Hz
		YCbCr 4:2:2	
		YCbCr 4:2:0	Not supported
	10-bit	RGB 4:4:4	4096x2160@30Hz
		YCbCr 4:4:4	4096x1080@60Hz
		YCbCr 4:2:2	4096x2160@60Hz
		YCbCr 4:2:0	Not supported
	12-bit	RGB 4:4:4	4096x2160@30Hz
		YCbCr 4:4:4	4096x1080@60Hz
		YCbCr 4:2:2	4096x2160@60Hz
		YCbCr 4:2:0	Not supported
	HDMI 1.4 DP 1.1	8-bit	RGB 4:4:4
YCbCr 4:4:4			
YCbCr 4:2:2			
YCbCr 4:2:0			Not supported
10-bit		RGB 4:4:4	2048x1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	4096x1080@60Hz
		YCbCr 4:2:0	Not supported
12-bit		RGB 4:4:4	2048x1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	4096x1080@60Hz
		YCbCr 4:2:0	Not supported
HDMI 1.3	8-bit	RGB 4:4:4	2048x1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
		YCbCr 4:2:0	Not supported
	10-bit	RGB 4:4:4	2048x1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	

Input Connector	Color Depth		Max. Input Resolution
		YCbCr 4:2:0	Not supported
	12-bit	RGB 4:4:4	2048x1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
		YCbCr 4:2:0	Not supported
SL-DVI	8-bit	RGB 4:4:4	2048x1152@60Hz
DL-DVI	8-bit	RGB 4:4:4	3840x1080@60Hz
VGA CVBS	-	RGB 4:4:4	1920x1080@60Hz
3G-SDI	<ul style="list-style-type: none"> • Supports up to 1920x1080@60Hz video inputs. • Input resolution and bit depth settings are not allowed. • Supports ST-424 (3G) and ST-292 (HD). 		
12G-SDI	<ul style="list-style-type: none"> • Supports up to 4096x2160@60Hz video inputs. • Input resolution and bit depth settings are not allowed. • Supports ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G) and ST-292 (HD). 		