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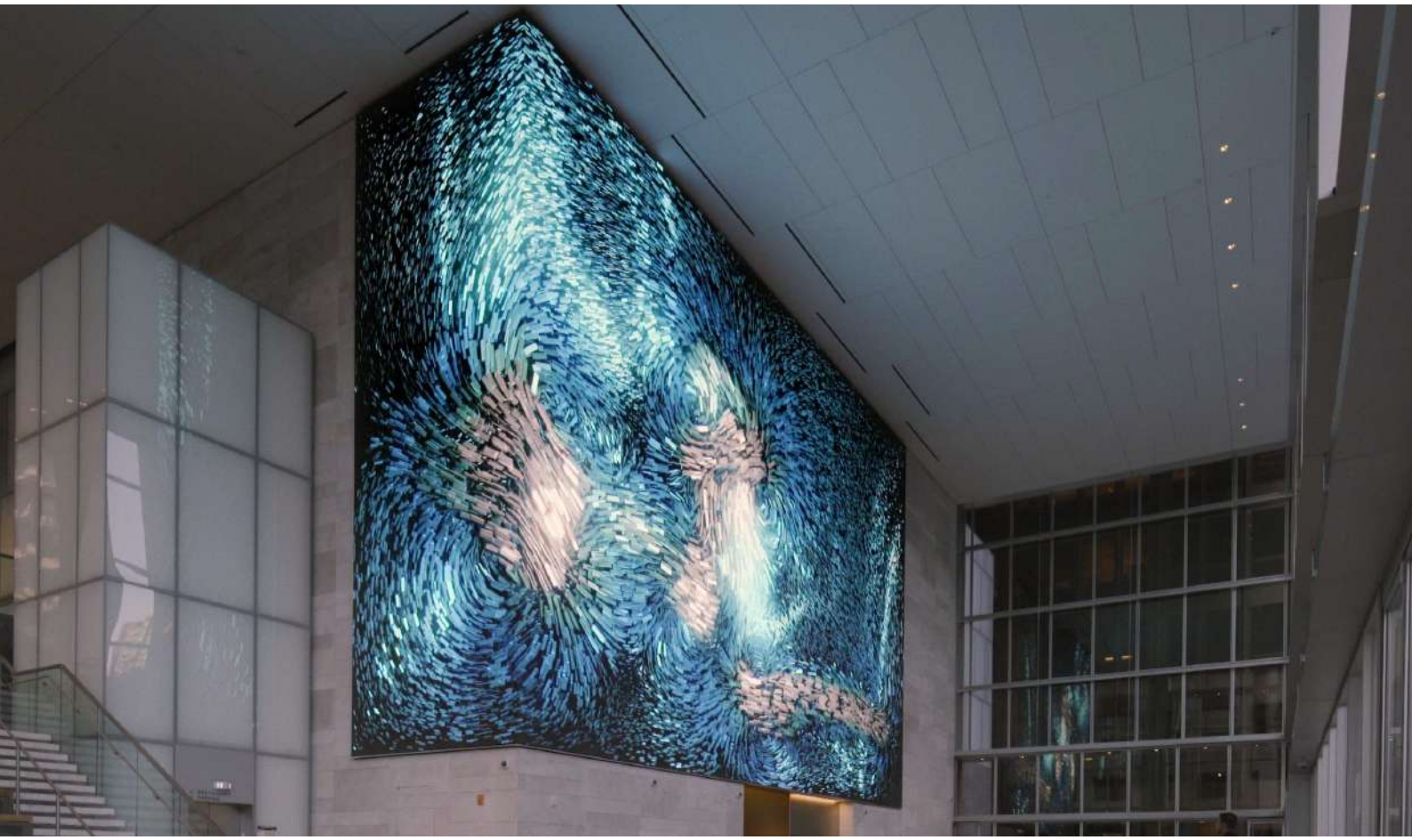

C3X VIDEO PROCESSOR

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INTRODUCTION

The C3X is Starview's newest generation of video wall splicer, featuring excellent image quality and designed especially for fine-pitch LED screens. The C3X 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 C3X 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 C3X 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 C3X provides the industry-standard input connectors, including HDMI, DVI, DP, VGA, CVBS, SDI, WEB and IP, and supports 10-bit video source input and processing, as well as 4K high-definition inputs and outputs. The C3X also provides two 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 C3X 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 C3X 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 C3X supports online firmware update, allowing for easy hardware update on a PC.

FEATURE

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.
- Video source
  - Supports input resolution up to 4096x2160 @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

- Create, configure and manage multiple screens on a single device
- 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.
- Layout: Create, manage and support 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
- Calibration
  - There are optional tools that allow adjusting the brightness/color of each LED light according to the software analytical results from the measured brightness/color values of the LED lights, pixel level calibration system can help the LED display acquiring perfect uniformity of color and brightness
- XR scenario control
- 3D function
  - Work with Starview's 3D emitter – EM20 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 selfadaptive 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
- API/SDK support for 3rd party integration

Status monitoring and redundant power supply 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.
- Supports an optional power supply for higher system reliability.
- Backup design
  - Backup between devices
  - Backup between LED 4K sending cards

APPEARANCE

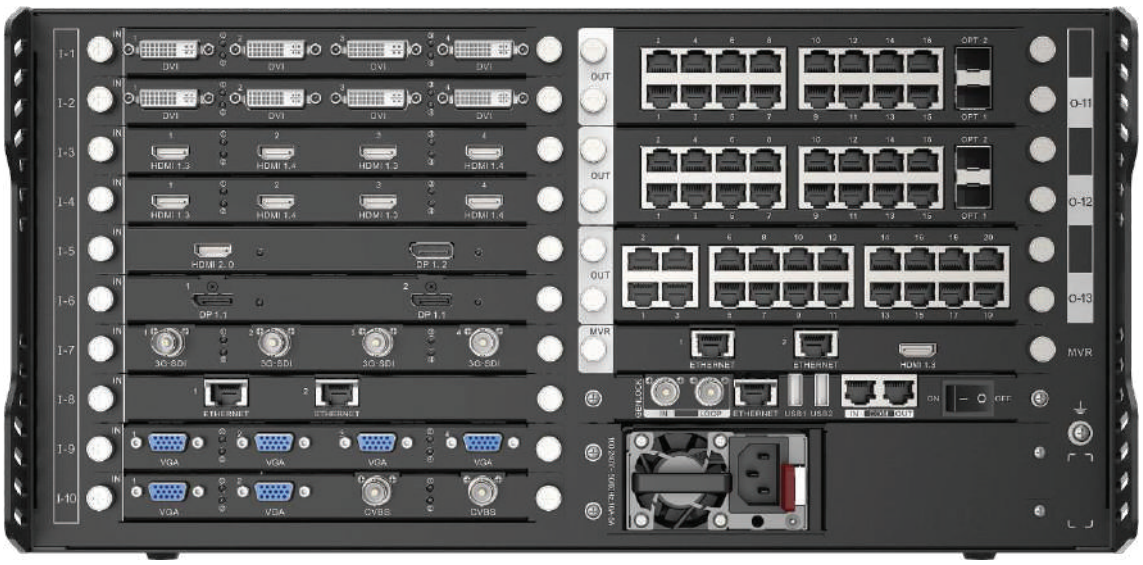
Front Panel

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. Eight M5 screws should be used to fix the product.*

Name	Description
LCD screen	Touchscreen displays the menus, submenus and messages, as well as device status and monitoring information, and allows you to perform all the operations at your fingertips.

Rear Panel



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

INPUT CARD

H_4xDVI input card

Support for single link and dual link input modes, 10-bit input source and 144Hz input
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 (2560×983@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 (3840×1202@60Hz)
    - Max. height: 3840 pixels (1092×3840@60Hz)

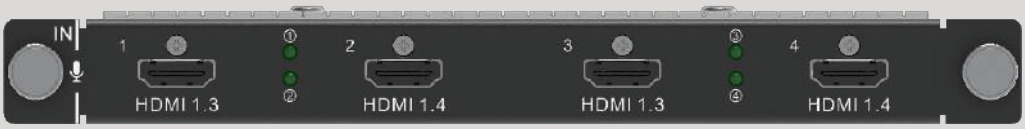
Status LEDs:

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

Specifications:

- Weight: 550 g
- Dimensions: 193 mm × 247.12 mm × 21.15 mm
- Power consumption: 9.4 W

H_4xHDMI input card



Support for 10-bit input source, accompanied audio and 144Hz input
Does not support interlaced signal input.
For HDMI 1.3 inputs:

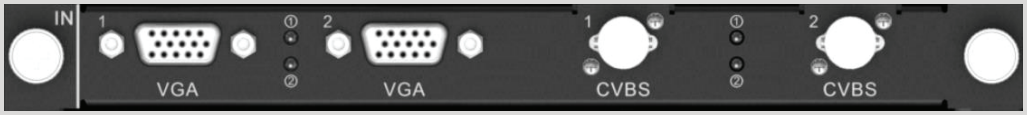
- Four connectors are all used for input.
- Each connector supports the maximum resolution of 2048×1152@60Hz, and the minimum resolution of 800×600@60Hz.
- Custom resolutions:
  - Max. width: 2560 pixels (2560×983@60Hz)
  - Max. height: 2560 pixels (884×2560@60Hz)
- HDCP 1.4 compliant

For HDMI 1.4 inputs:

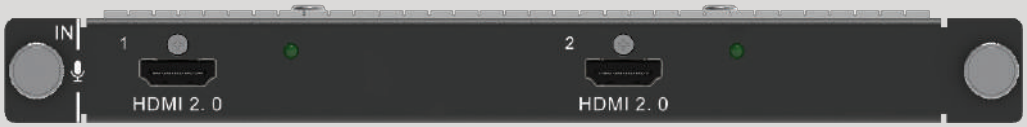
- Two HDMI 1.4 connectors are used for input, but two HDMI 1.3 connectors are unavailable.
- Each connector supports the maximum resolution of 3840×1080@60Hz.
- Custom resolutions:
  - Max. width: 3840 pixels (3840×1202@60Hz)
  - Max. height: 3840 pixels (1092×3840@60Hz)

	▪ HDCP 1.4 compliant Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 9.3 W
H_1xHDMI2.0+1xDP1.2 input card	 **Only one connector can be used each time.** Set to use which connector on the Web page. The default option is HDMI 2.0 connector. Support for accompanied audio and 144Hz input Does not support interlaced signal input. ▪ 1x HDMI 2.0 - Backward compatible with HDMI 1.4 and HDMI 1.3 - Supports the maximum resolution of 3840×2160@60Hz. - HDCP 2.2 compliant - Custom resolutions: • Max. width: 4092 pixels (4092×2263@60Hz) • Max. height: 4095 pixels (2188×4095@60Hz) ▪ 1x DP 1.2 - Backward compatible with DP 1.1 - Supports the maximum resolution of 4096×2160@60Hz or 8192×1080@60Hz. - HDCP 2.2 compliant - Custom resolutions: • Max. width: 8192 pixels (8192×1152@60Hz) • Max. height: 4095 pixels (2188×4095@60Hz) Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 9.6 W
H_2xRJ45 IP input card	 Two group inputs, each group with 1x HDMI 2.0 and 1x DP1.2 connector **Only one connector of each group can be used each time.** Set to use which connector on the Web page. The default option is HDMI 2.0 connector. Does not support interlaced signal input. ▪ 2x HDMI 2.0 - Backward compatible with HDMI 1.4 and HDMI 1.3 - Supports the maximum resolution of 3840×2160@60Hz. - HDCP 2.2 compliant

	- Supports accompanied audio. - Supports 144Hz input. - Custom resolutions: • Max. width: 4092 pixels (4092×2263@60Hz) • Max. height: 4095 pixels (2188×4095@60Hz) ▪ 2x DP1.2 - Backward compatible with DP 1.1 - Supports the maximum resolution of 4096×2160@60Hz or 8192×1080@60Hz. - HDCP 2.2 compliant - Supports accompanied audio. - Supports 144Hz input. - Custom resolutions: • Max. width: 8192 pixels (8192×1152@60Hz) • Max. height: 4095 pixels (2188×4095@60Hz) Status LEDs: - On: The input source is accessed normally. - Off: No input source is accessed or the input source is abnormal. Specifications: - Weight: 550 g - Dimensions: 193 mm × 247.12 mm × 21.15 mm - Power consumption: 9.8 W
H_2xRJ45 IP input card	 2x RJ45 Gigabit Ethernet ports Support for interlaced signal input ▪ Supported protocols: RTSP, GB28181 and ONVIF ▪ Supported coding formats for IPC videos: H.264 and H.265 ▪ Supports decoding of video streaming provided by the encoder. - Supports decoding of unicast video streaming. - Supports decoding of 8-bit H.264/H.265 YUV420 videos of I-frames and Pframes. ▪ Single card decoding capability: - 4x 4K×2K - 8x 4K×1K - 16x 2K×1K - 64x D1 ▪ DHCP compliant Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 11.5 W
H_4x3G SDI input card	 4x 3G-SDI ▪ Backward compatible with HD-SDI and SD-SDI ▪ Supports ST-424 (3G), ST-292 (HD) and SMPTE 259 SD.

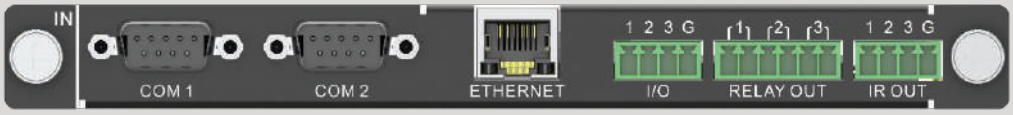
	▪ Each connector supports the maximum resolution of 1920×1080@60Hz. ▪ Supports 1080i/576i/480i de-interlacing processing. Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 12.6 W
H_2xCVBS+2xVGA input card	 2x VGA ▪ Each connector supports the maximum resolution of 1920×1200@60Hz. 2x CVBS ▪ Supports PAL and NTSC. Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 9.3 W
H_4xVGA input card	 4x VGA ▪ Each connector supports the maximum resolution of 1920×1200@60Hz. Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 16.2 W
H_2xDP1.1 input card	 2x DP1.1 ▪ Each connector supports the maximum resolution of 3840×1080@60Hz or 3840×2160@30Hz. ▪ Custom resolutions: - Max. width: 3840 pixels (3840×1202@60Hz) - Max. height: 3840 pixels (1092×3840@60Hz) ▪ Supports 8-bit and 10-bit inputs.

	▪ HDCP 1.3 compliant ▪ Supports accompanied audio. ▪ Supports 144Hz input. ▪ Does not support interlaced signal input. Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 11.5 W
H_1xDP1.2 input card	 1x DP 1.2 ▪ Backward compatible with DP 1.1 ▪ Each connector supports the maximum resolution of 4096×2160@60Hz or 8192×1080@60Hz. ▪ Custom resolutions: - Max. width: 8192 pixels (8192×1156@60Hz) - Max. height: 4095 pixels (2188×4095@60Hz) ▪ HDCP 2.2 compliant. ▪ Supports accompanied audio. ▪ Supports 144Hz input. Status LEDs: ▪ On: The input source is accessed normally. ▪ Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 9.4 W
H_1x12G SDI input card	 ▪ 1x 12G-SDI IN - 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 4096×2160@60Hz. - Supports 1080i/576i/480i de-interlacing processing. - Does not support input resolution and bit depth settings. ▪ 1x 12G-SDI LOOP - Loop out the 12G-SDI signal. ▪ Status LEDs: - 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. Specifications: ▪ Weight: 550 g

	▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 12 W
H_2xHDMI2.0 input card	 2x HDMI 2.0 ▪ Backward compatible with HDMI 1.4 and HDMI 1.3 ▪ Each connector supports the maximum resolution of 3840×2160@60Hz. ▪ Two 4K inputs can be connected at the same time. ▪ HDCP 2.2 compliant. ▪ Supports accompanied audio. ▪ Supports 144Hz input. ▪ Custom resolutions: - Max. width: 4092 pixels (4092×2263@60Hz) - Max. height: 4095 pixels (2188×4095@60Hz) Status LEDs: - On: The input source is accessed normally. - Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 9.6 W
H_1xHDMI2.0 input card	 1x HDMI 2.0 ▪ Backward compatible with HDMI 1.4 and HDMI 1.3 ▪ Each connector supports the maximum resolution of 3840×2160@60Hz. ▪ HDCP 2.2 compliant. ▪ Supports accompanied audio. ▪ Supports 144Hz input. ▪ Custom resolutions: - Max. width: 4092 pixels (4092×2263@60Hz) - Max. height: 4095 pixels (2188×4095@60Hz) ▪ Status LEDs: - On: The input source is accessed normally. - Off: No input source is accessed or the input source is abnormal. Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 9.3 W
H_2xAudio input + 2xAudio output card	

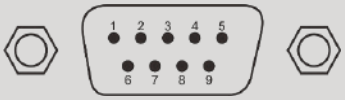
	Single channel: 4x phoenix audio inputs, 4x phoenix audio outputs Dual channel: 2x phoenix audio inputs, 2x phoenix audio outputs ▪ Audio sampling rate: 48 kHz ▪ When the single channel balanced audio is used as the audio source, both the input and output audio channels are four. ▪ When the dual channel balanced audio is used as the audio source, both the input and output channels will be halved. ▪ Output the accompanied audio of the video input connector and the audio of the audio input card. ▪ Output volume adjustment and one-click mute function supported ▪ Switching between the single channel and dual channel ▪ Audio output delay supported Specifications: ▪ Weight: 550 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 6 W ***Note:*** If you want to output the accompanied audio, please select the layer opened by the input card with the silkscreen marking
H_4xHDBaseT input card	 4x RJ45 Gigabit Ethernet ports Support for single link and dual link input modes, and accompanied audio ▪ Single link input: - Four connectors are all available for input. - Each connector supports the maximum resolution of 1920×1080@60Hz. - Custom resolution: • Max. width: 2560 pixels (2560×983@60Hz) • Max. height: 2560 pixels (884×2560@60Hz) - HDCP 1.4 compliant ▪ Dual link input: - Connector 2 and 4 are available for input. - Each connector supports the maximum resolution of 3840×2160@30Hz. - Custom resolution: • Max. width: 3840 pixels (3840×1202@60Hz) • Max. height: 3840 pixels (1092×3840@60Hz) - HDCP 1.4 compliant Status LEDs: ▪ Green: Indicating the input source access status - On: The input source is accessed normally - Off: No input source is accessed. ▪ Yellow: Indicating the input source status - On: The input source is normal. - Off: The input source has no signal or the input source is abnormal. - Flashing: The connector is in communication. Specifications: ▪ Weight: 500 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 39 W

H_STD I/O card



This card can be installed into the input card slots.

- 2x COM
  - 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:



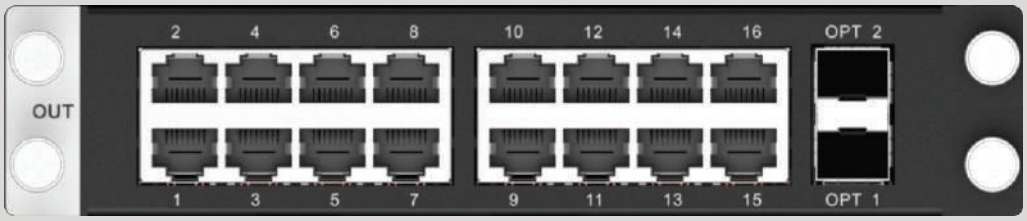
    - Pin wirings are shown as below:

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.
- Specifications:
  - Weight: 400 g
  - Dimensions: 193 mm × 247.12 mm × 21.15 mm
  - Power consumption: 1.2 W

OUTPUT CARD

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
- Supports 144Hz output.
- 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.
  - Supports 144Hz output.

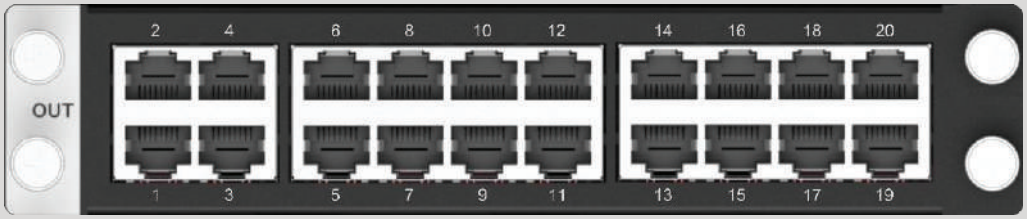
Specifications:

- Weight: 600 g
- Dimensions: 193 mm × 247.12 mm × 41.25 mm
- Power consumption: 34.2 W

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
- Supports 144Hz output.

Specifications:

- Weight: 600 g

	▪ Dimensions: 193 mm × 247.12 mm × 41.25 mm ▪ Power consumption: 40.1 W
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. ▪ Supports 144Hz output. ▪ The optical module supports SFP+ encapsulation. The supported module specifications include the followings: - 10G SFP+ SR optical module - 10G SFP+ LR optical module **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. **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. **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. Specifications: ▪ Weight: 500 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 39 W ***Notes:*** ▪ 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, Starview software is required for screen configurations.
H_2xRJ45+1xHDMI1.3 preview card	 ▪ 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. Specifications: ▪ Weight: 500 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 19.5 W

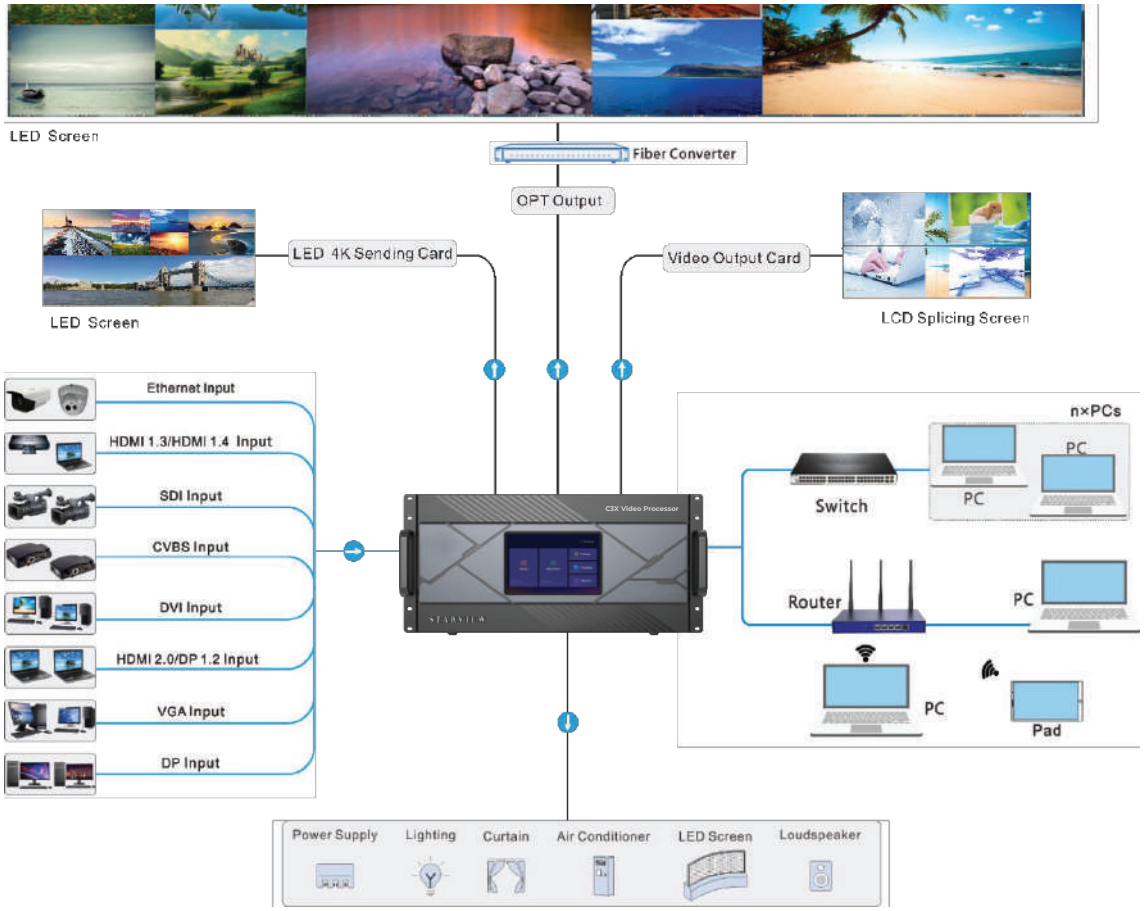
H_CONTROL CARD

GENLOCK	Supports bi-level and tri-level. ▪ IN: Accept the Genlock signal. ▪ LOOP: Loop the Genlock signal.
ETHERNET	A Gigabit Ethernet port ▪ Connect to the control PC for communication. ▪ Connect to the router, switch or PC. ▪ For Web control and Starview software screen configuration
USB 1 & USB 2	2x USB 2.0 ▪ Update the device program. ▪ Import or export the device configuration parameters. ***Note:*** ▪ The USB connectors cannot provide power for the connected devices.
COM	A serial port that adopts RS232 serial protocol Support for central control system ▪ IN: Accept the commands from the central control system for the control of H series devices. ▪ OUT: Output the custom commands for the control of other devices. ***Notes:*** ▪ The COM port cannot be connected to the network (router or switch) or LED cabinet (receiving card). ▪ The COM OUT port cannot be used for device cascading control.
POWER SWITCH	▪ – / ON: Power on the device. ▪ O / OFF: Power off the device.
SPECIFICATIONS	▪ Weight: 500 g ▪ Dimensions: 193 mm × 247.12 mm × 21.15 mm ▪ Power consumption: 6.2 W

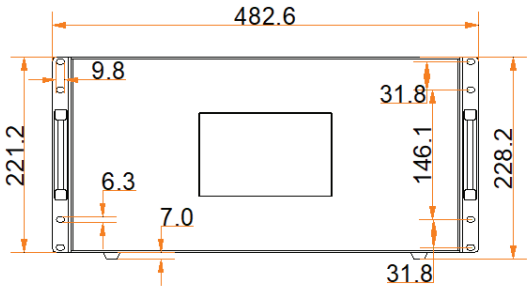
Limitation On Use

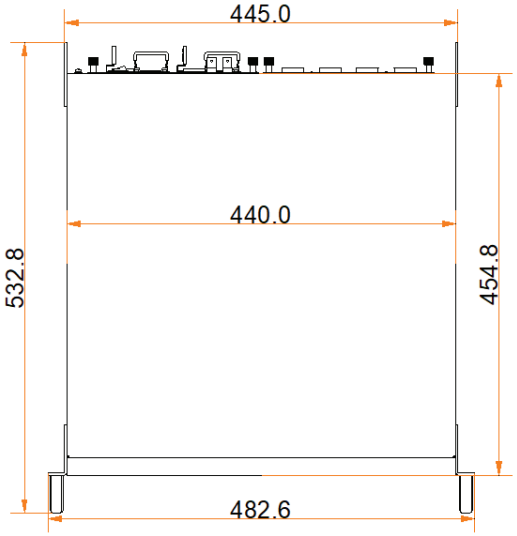
- If the total layer quantity in the current preset or the preset to be switched exceeds 16x SL layers, 8x DL layers or 4x 4K layers, the fade transition effect is not supported, while the cut transition is enabled by default.
- The layer capacity is matched with the connector specification. If the specification of the connected input source is lower than the connector specification, the latter shall prevail.
- For example, an input source with the resolution of 1080p is connected to an HDMI 2.0 connector, and use this connector to add a layer. The layer capacity is 4K instead of SL.
- Only the H_2xfiber input card supports input mosaic on a single card, while the mosaic source cannot be cropped.
- The backup relationship cannot be set for NDI or IPC sources.

APPLICATIONS



DIMENSIONS





SPECIFICATIONS

Chassis		5U
Max. Input Cards		10
Max. Input Channels		40
Max. Output Cards		3
Max. Output Channels		12
Max. Loading Capacity	**H_16xRJ45+2xfiber sending card**	31.2 million pixels
	H_20xRJ45 sending card	39 million pixels
	H_4xfiber sending card	62.4 million pixels
Max. Layers		48
Electrical Specifications	**Power connector**	100–240V~, 50/60Hz, 10A–5A ***Note:*** The C3X comes with a single power supply. A redundant power supply is optional.
	Power consumption	400 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 × 532.8 mm × 228.2 mm
	Net weight	17 kg (chassis)
	Gross weight	21.3 kg (chassis)
Noise Level (Typical at 25°C /77°F)		< 45 dB (A)
Packing Information	**Packing box**	780 mm × 615 mm × 345 mm
	Accessories	1x Power cord 1x RJ45 Ethernet cable 1x Grounding cable 1x HDMI cable 1x Quick Start Guide 1x Certificate of Approval 1x Safety Manual 1x Custom Letter

VIDEO SOURCE FEATURES

Input Connector	Color Depth		Max. Input Resolution
HDMI 2.0	8-bit	RGB 4:4:4	4096×2160@60Hz 8192×1080@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
	10-bit	RGB 4:4:4	4096×2160@60Hz 8192×1080@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	4096×2160@60Hz
DP 1.2	8-bit	RGB 4:4:4	4096×2160@60Hz 8192×1080@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
	10-bit	RGB 4:4:4	4096×2160@60Hz 8192×1080@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	4096×2160@60Hz
HDMI 1.4 DP 1.1	8-bit	RGB 4:4:4	4096×2160@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
	10-bit	RGB 4:4:4	2048×1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	4096×1080@60Hz
HDMI 1.3	8-bit	RGB 4:4:4	2048×1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
	10-bit	RGB 4:4:4	2048×1152@60Hz
		YCbCr 4:4:4	
		YCbCr 4:2:2	
SL-DVI	8-bit	RGB 4:4:4	2048×1152@60Hz
DL-DVI	8-bit	RGB 4:4:4	3840×1080@60Hz
VGA; CVBS	-	RGB 4:4:4	1920×1080@60Hz
3G-SDI	▪ Supports up to 1920×1080@60Hz video inputs. ▪ Input resolution and bit depth settings are not allowed. ▪ Supports ST-424 (3G) and ST-292 (HD).		

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