

Youtube video of VX6S: <https://youtu.be/etbcqojv1Ws>

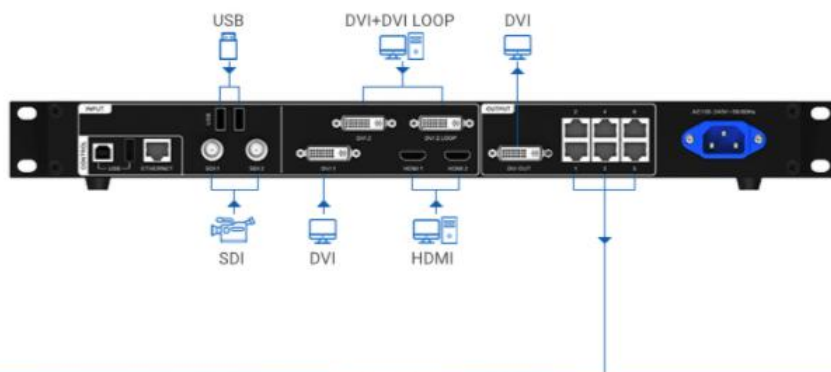
## VX6s Video Controller

Simplified, but not simply



### 7 input connectors

Including 2 × 3G-SDI, 2 × HDMI 1.3, 2 × DVI,  
1 × DVI+DVI LOOP, and 1 × USB playback



## 6 Gigabit Ethernet output

The maximum loading capacity high up to 3.9 million pixels

Maximum height or width can reach 4096 pixels

Multi VX6s units can be cascaded



## VX6s

### All-in-One Controller

3G-SDI / HDMI / DVI / DVI+DVI Loop / USB

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3,900,000 pixels

3 Layers

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Switcher Mode, Auto fit, Director mode

### Description:

The VX6s is an all-in-one controller that integrates sending card functions with video processing. Designed with powerful video processing capability, it supports 7 video inputs and 6 Gigabit Ethernet outputs.

Based on the powerful FPGA processing platform, the VX6s supports multiple transition effects, such as quick seamless switching and fade, providing flexible display controlling and outstanding video presentations.

The VX6s is equipped with an expansion card which can connect a USB drive to play the media files stored in it. By connecting a mouse and monitor, the USB playback can be intuitively monitored in real-time.

### Features:

- Features 7 input connectors: 2 × 3G-SDI, 2 × HDMI 1.3, 2 × DVI, 1 × DVI+DVI LOOP and 1 × USB playback.
- Supports 3 × windows.

- Supports quick and advanced screen configurations.
- Switches the PVW to PGM by pressing only the TAKE button in the switcher mode.
- Supports adjustment of input resolutions.
- Supports device redundancy settings.
- The maximum loading capacity of video output is 3.9 million pixels.
- Supports brightness adjustment of the screen loaded by the VX6s.
- Multiple VX6s units can be cascaded.
- Supports auto fit function of windows.
- The maximum video output width and height are both 4096 pixels.
- A total of 16 user presets can be created and saved as templates. The templates can be used directly and conveniently by pressing the number buttons on the front panel.
- Any HDMI or DVI input source can be used as the synchronization signal to achieve vertical synchronization of outputs of multiple devices.
- Features an intuitive OLED screen and clear button indicator prompt in the front panel, simplifying system control and operation.

## Specification:

Input		
Connector	Quantity	Description
3G-SDI	2	<ul style="list-style-type: none"> <li>• Supports input resolutions up to 1920×1080@60Hz and downward compatibility.</li> <li>• Supports both progressive and interlaced signals.</li> <li>• SDI1 supports de-interlacing.</li> </ul>
USB 2.0	2	<p>Connects to a mouse/keyboard, or connects to a USB drive to play media files stored in the drive. The supported USB drives and the formats of the media files in it are described as follows.</p> <ul style="list-style-type: none"> <li>• USB drive: FAT/FAT32</li> <li>• The USB drive cannot be a partitioned one or used as the system startup disk.</li> <li>• Picture file format: JPG, JPEG, BMP, PNG and WEBP</li> <li>• Video file format: MP4, AVI, MKV, MOV, 3GP, FLV and MPG</li> <li>• Video coding: MPEG-1/2, MPEG-4, H.264/AVC, MVC, H.265/HEVC, H.263, GOOGLE VP8, VC-1 and MOTION JPEG</li> </ul>

		<ul style="list-style-type: none"> <li>Audio file format: MP3, WMA, WAV and 3GP Audio coding: <ul style="list-style-type: none"> <li>MPEG Audio: MPEG1/2/2.5 Audio Layer1/2/3</li> <li>Windows Media Audio: WMA Version4/4.1/7/8/9, wmapro</li> <li>WAV Audio: MS-ADPCM, IMA-ADPCM, PCM</li> <li>FLAC Audio: Compress Level 0-8</li> <li>AAC Audio: ADIF, ATDS Header AAC-LC and AAC-HE, AAC-ELD</li> </ul> </li> <li>AMR Audio: AMR-NB, AMR-WB</li> </ul>
DVI	2	<ul style="list-style-type: none"> <li>VESA standard Supports input resolutions up to 1920×1200@60Hz and downward compatibility.</li> <li>Supports HDCP.</li> <li>Supports only progressive signals.</li> </ul>
DVI LOOP	1	DVI loop output connector
HDMI	2	<ul style="list-style-type: none"> <li>Supports input resolutions up to 1920×1200@60Hz and downward compatibility.</li> <li>Supports HDCP.</li> <li>Supports only progressive signals.</li> </ul>

## Output

Connector	Quantity	Description
Ethernet	6	6 Ethernet outputs
DVI	1	A monitoring connector, which can be set to preview the editing image or monitor the PGM

## Control

Connector	Quantity	Description
ETHERNET	1	Connects to the PC for communication, or to the network.
USB (Type-B)	1	<ul style="list-style-type: none"> <li>Connects to the PC for device control.</li> <li>Used as the input connector for cascading devices</li> </ul>
USB (Type-A)	1	Used as the output connector for cascading devices

## Overall Specifications

Connector	Quantity	Description
Power connector	1	AC100-240V~50/60Hz

Power consumption	65 W
Operating temperature	-20°C to +40°C
Dimensions	483.6 mm × 250.1 mm × 45.0 mm
Package dimensions	550.0 mm × 400.0 mm × 175.0 mm
Net weight	2.71 kg
Total weight	5.9 kg

## VX4S



### All-in-One Contoller

CVBS / VGA / DVI / HDMI / DP / SDI

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2,300,000 pixels

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PIP

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Auto fit, SDI input

### Description:

The VX4S is a professional LED display controller. Besides the function of display control, it also features in powerful front end processing, so an external scalar is no longer needed. With professional interfaces integrated, VX4S with excellent image quality and flexible

image control greatly meet the needs of the broadcast industry, Its friendly in user-interface. so that the display to work has never been as easier and more enjoyable as with VX4S.

## Features:

- The inputs of the VX4S include CVBS×2, VGA×2, DVI×1, HDMI×1 , DP×1 and SDI×1. They support input resolution up to 1920×1200@60Hz; the input images of VX4S can be zoomed point-to-point according to the screen resolution;
- Provide seamless high-speed switch and fade-in/ fade-out effect so as to strengthen and display picture demonstration of professional quality;
- The location and size of PIP can both be adjusted, which can be controlled at will;
- Adopt the Nova G4 engine; the screen is stable and flicker free without scanning lines; the images are exquisite and have a good sense of depth;
- Can implement white balance calibration and color gamut mapping based on different features of LEDs used by screens to ensure reproduction of true colors;
- HDMI/external audio input;
- 10bit/8bit HD video source;
- The loading capacity: 2.3 million pixel;
- Support multiple controller montage for loading huge screen;
- Support Nova's new-generation point-by-point correction technology; the correction is fast and efficient;
- Computer software for system configuration is not necessary. The system can be configured using one knob and one button. All can be done just by fingers. That's what we called Touch Track!
- Adopt an innovative architecture to implement smart configuration; the screen debugging can be completed within 30 seconds; greatly shorten the preparation time on the stage;
- A intuitive LCD display interface and clear button light hint simplify the control of the system.

## Specification:

Input		
Connector	Quantity	Description
CVBS	2	PAL/NTSC
VGA	2	VESA Standard, support max. 1920×1200@60Hz input
DVI	1	VESA Standard (support 1080i input), support HDCP
SDI	1	480i、576i、720P、1080i/P
HDMI	1	EIA/CEA-861 standard, in accordance with HDMI-1.3 standard, support HDCP

DP	1	VESA Standard
<b>Output</b>		
<b>Connector</b>	<b>Quantity</b>	<b>Description</b>
DVI LOOP	1	Consistent with DVI input
VGA	1	Monitoring output connector Up to 1920×1200@60Hz output resolution
DVI	1	
SDI LOOP	1	Consistent with SDI input
LED OUT	4	4 Gigabit Ethernet outputs. Only Ethernet port 1 supports audio output. When the multifunction card is connected for audio decoding, the multifunction card must be connected to the Ethernet port 1.
<b>Overall Specifications</b>		
<b>Connector</b>	<b>Quantity</b>	<b>Description</b>
Input Power	AC100~240VAC, 50/60Hz	
Overall Power Consumption	25W	
Operating Temperature	-20~60℃	
Size	482.6×251.5×45（mm）	
Net weight	2.55 Kg	
Total weight	5.5 kg	

## Comparison of VX6S, VX4S, VX4U:

Product Names	VX6s	VX4S	VX4U
Capacity	3.9 Million	2.3 Million	2.3 Million
Width & Height	Max Width 4096 Max Height 4096	Max Width 3840 Max Height 1920	Max Width 3840 Max Height 1920
Control Port	USB/TCP/IP	USB/TCP/IP	USB/TCP/IP
Video Input	<ul style="list-style-type: none"> <li>• 2×3G SDI</li> <li>• 2×HDMI</li> <li>• 2×DVI</li> <li>• 2×USB</li> <li>• DVI Loop</li> <li>• SDI Loop</li> </ul>	<ul style="list-style-type: none"> <li>• 2×VGA</li> <li>• DVI LOOP</li> <li>• 2×CVBS</li> <li>• SDI LOOP</li> <li>• DP</li> <li>• HDMI</li> </ul>	<ul style="list-style-type: none"> <li>• 2×VGA</li> <li>• DVI LOOP</li> <li>• 2×CVBS</li> <li>• SDI LOOP</li> <li>• DP</li> <li>• HDMI</li> </ul>
Audio Input	HDMI	3.5mm Audio port/HDMI	3.5mm Audio port/HDMI
Video Format	RGB, YCrCb4:2:2, YCrCb4:2:2	RGB, YCrCb4:2:2, YCrCb4:2:2	RGB, YCrCb4:2:2, YCrCb4:2:2
Video Monitor	DVI out	VGA out / DVI out	VGA out / DVI out
Video source grayscale	8Bit	8Bit	8Bit
Output Port	6 Ethernet port	4 Ethernet port	4 Ethernet port
Cascading	√	√	√
Certification	CE, ROHS, FCC, UL, EAC	CB, UL/CUL, EAC, RoHS, LVD EMC, IC, FCC SDoC	CB, UL/CUL, EAC, RoHS, LVD EMC, IC, FCC SDoC
Zoom	√	√	√
Splice	√	√	√
Layers	3	PIP	PIP
Preview	√	×	×
Preset	16	×	×