VX6s

All-in-One Video Controller

Specifications

XI'AN NOVASTAR TECH CO., LTD.

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Website: www.novastar.tech

1 Overview

The VX6s is an all-in-one video 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 switching effects, such as quick seamless switching and fade, providing flexible screen control experience and outstanding video presentations.

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2 Features

- Features 7 input connectors: 2 × 3G-SDI, 2 × HDMI1.3, 2 × DVI, 1 × USB.
- Supports 3 × layers and 1 × OSD.
- Supports quick and advanced screen configurations.
- Switches the PVW to PGM by pressing only the **TAKE** button in the switcher mode.
- Supports PGM preview in the switcher mode.
- Supports adjustment of input resolutions and backup of input source.
- Supports brightness adjustment of the screen loaded by the VX6s.
- Multiple VX6s units can be cascaded.
- Automatically scales the image to fit the whole screen.
- The maximum video output width is 4096 pixels.
- A total of 16 user presets can be created and saved as templates. The templates can be used directly and conveniently.
- Any HDMI or DVI input source can be used as the synchronization signal to achieve vertical synchronization of output.
- Features an intuitive OLED screen and clear button indicator lights in the front panel, simplifying system control and operation.

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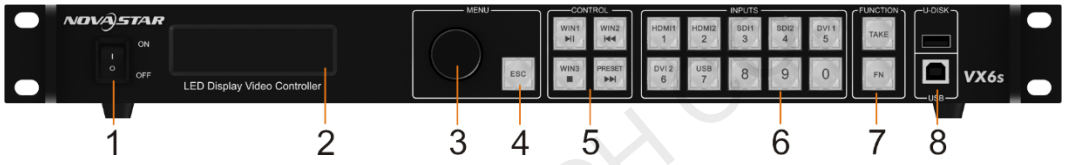
3 Appearance

Front Panel



No.	Button	Function
1	ON/OFF	Switch of the device
2	OLED screen	Displays the current status and settings menu of the device.
3	Knob	• On the home screen, pressing the knob enters the operation menu screen. • On the operation menu screen, rotating the knob selects a menu item, and pressing the knob confirms the selection or enters the submenu. • When a menu item with parameters is selected, you can rotate the knob to adjust the parameters. Please note that after adjustment, you need to press the knob again to confirm the adjustment.
4	ESC	A return key, used to exit the current menu or operation
5	Layer and preset buttons	Pressing a button enters the corresponding layer property menu. • When a button indicator is on, the layer is open. • When a button indicator is off, the layer is closed. • When a button indicator is flashing, the layer is being edited. • When a layer is open, holding down the layer button can close the layer. • In the USB playback mode, you can play, pause, fast forward, rewind or stop current playback. • Pressing the **PRESET** button enters the user preset menu.
6	Input source buttons	Indicates the status of the input source. • When a button indicator is always on, the input source is

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		accessed and in use. • When a button indicator is flashing, no input source is available, but relevant parameters are being set in advance. • When a button indicator is off, no input source is accessed or the input source is not in use.
7	Function buttons	• **TAKE**: In the switcher mode, pressing the **TAKE** button can switch the PVW to PGM seamlessly with the switching effects set previously. • **FN**: A custom menu button
8	USB	• USB (Type-B): Connects to the upper computer. • USB (Type-A): A reserved port

Rear Panel

Inputs		
Connector	**Quantity**	**Description**
3G-SDI	2	Supports input resolutions up to 1920×1080@60Hz and downward compatibility.
USB	2	• Connects to a USB flash drive to play video or picture files stored in the drive. • Connects to a mouse.
AUDIO	2	Output audio connectors.
DVI	2	Complies with the VESA standard. Supports input resolutions up to 1920×1200@60Hz and downward compatibility. Supports HDCP.
HDMI	2	Supports input resolutions up to 1920×1200@60Hz and downward compatibility. Supports HDCP.
Outputs		
Connector	**Quantity**	**Description**
Ethernet port	6	Six Ethernet outputs
DVI	1	• A preview connector, which can be set to preview PGM • In the USB playback mode, this connector can be connected to a monitor for human-machine interaction display.
Control		

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Connector	Quantity	Description
ETHERNET	1	Connects to the PC for communication, or to the network.
USB (Type-B)	1	• Connects to the PC for device control. • Used as the input for cascading devices
USB (Type-A)	1	Used as the output for cascading devices
Overall Specifications		
Connector	**Quantity**	**Description**
Power	1	AC 100 V–240 V 50/60 Hz
Power consumption		
Operating temperature		-20°C–60°C
Dimensions		483.60 mm × 273.30 mm × 45.00 mm
Weight		

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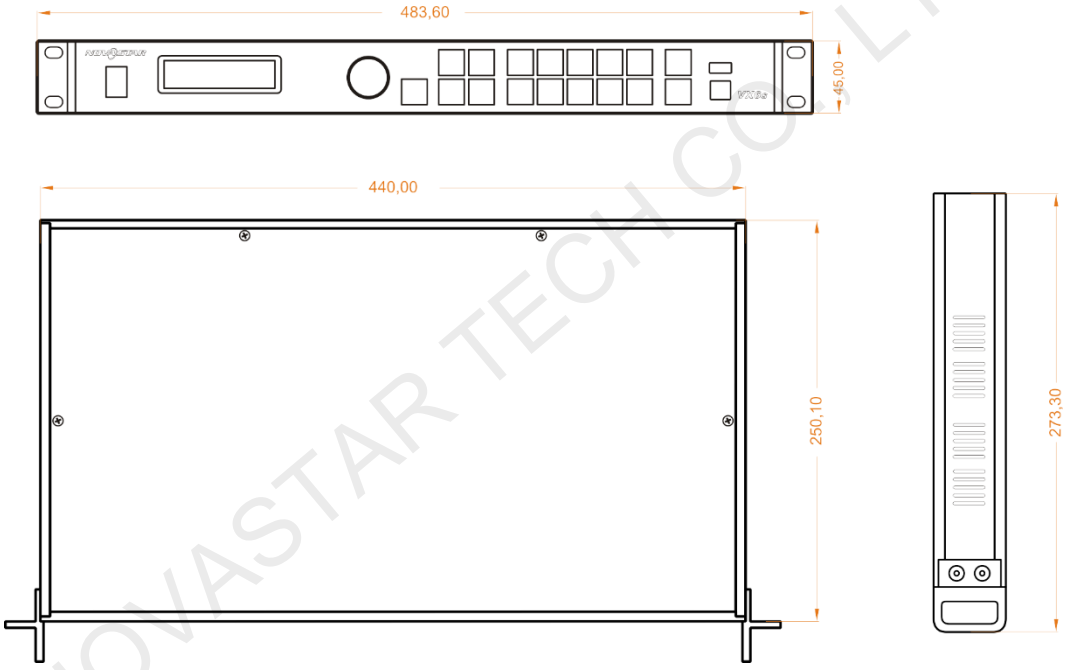
4 Dimensions



Unit: mm

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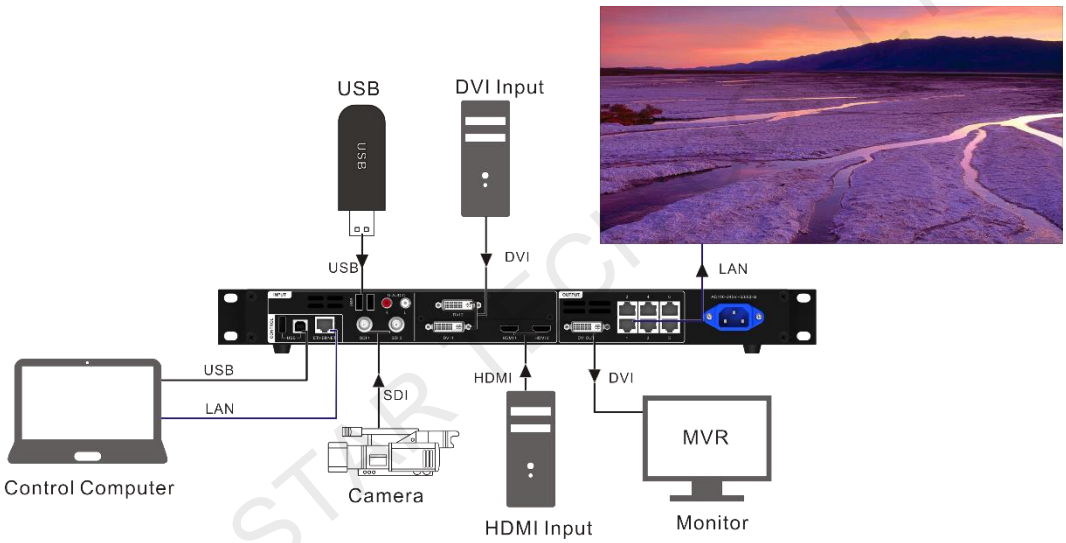
5 Applications



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