Colorlight

D9/D16

Video Wall Processor

Quick Start Guide V1.2

Contents

Cautions

To prevent personal injury and equipment damage, read and follow the safety precautions below.

Power safety

- Please do not squeeze the power cord and equipment with heavy objects.
- The device must use a grounded power supply.
- There are live parts in the device, non-professionals are not allowed to disassemble the device without permission to avoid electric shock.
- Please do not disassemble the device when it is powered on or running to avoid the risk of electric shock.
- Please turn off the main power of the device when it is not in use for a long time in a humid environment.
- When the device is not in use, please disconnect the power supply from the device and unplug the power plug from the power outlet.

Operational safety

- Please do not place the device on an unstable surface to avoid the device falling and causing damage, which may cause serious personal injury or death.
- Please do not operate with wet hands to prevent electric shock.
- Please do not use the product in an environment containing flammable substances, explosive gases or heat sources.
- Please do not spill any corrosive chemicals or liquids on or near the equipment.
- Please check and test before using it if the equipment is stored for a long time.
- Please power off the device and use a dry rag to clean the device before cleaning the device.
- Please do not block the heat dissipation holes, and keep the working environment well ventilated, so that the heat generated by the equipment during operation can be discharged in time, so as to avoid equipment damage caused by poor heat dissipation.
- Please use appropriate packaging or original packaging during transportation in order to prevent the equipment from being damaged by strong vibration during transportation.
- Please be careful not to drop the equipment to avoid personal injury or equipment damage when carrying the equipment.

Environmental protection

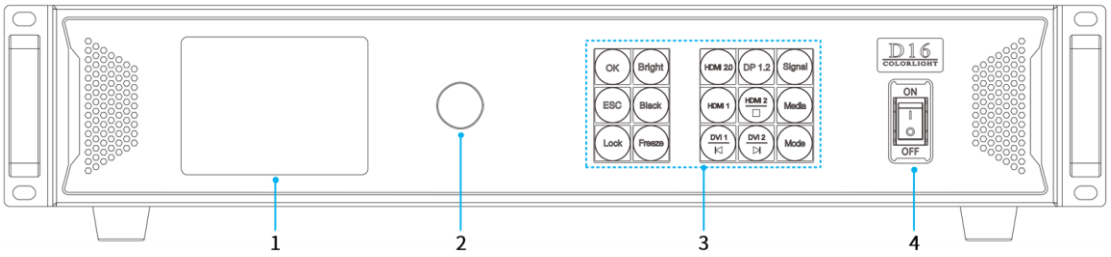
- Please do not dispose of this device and its accessories as ordinary household waste. Discarded equipment should be treated as industrial waste, and incineration is strictly prohibited.

Class A statement

- Warning: Operation of this equipment in a residential environment may cause radio interference.

1 Appearance

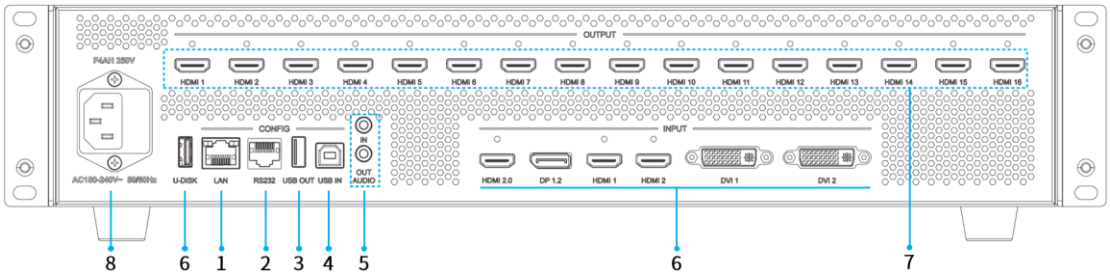
1.1 Front panel



No.	Name	Description
1	LCD screen	• 3.5" colour LCD with 480×320 resolution • Display operation menu and system information
2	Knob	• Press the rotary knob to enter a submenu or confirm a selection • Rotate the knob to select menu items or adjust parameters
3	Function button	• OK: Enter • Bright: Adjust brightness • ESC: Exit the current interface • Black: Make the output screen show a black screen • Lock: Lock the front panel keys • Freeze: Freeze the output screen • HDMI 2.0 、 DP1.2 、 HDMI 1/▶ 、 HDMI 2/■ 、 DVI 1/|◀ 、 DVI 2/▶|: In single-screen mode, click to switch directly to the corresponding signal. In U-disk play mode, some keys can be used as play, stop, previous and next function keys. • Signal: View signal status • Media: Media playback function buttons • Mode: Choose a preset scene
4	ON/OFF	Switch the device on or off.

* This picture takes D16 as an example, the product picture is for reference only, please refer to the actual product.

1.2 Rear panel



Control		
1	LAN	Interface type: RJ45, connect to local area network.
2	RS232	Interface type: RJ11(6P6C) , serial port protocol control, used to connect to the central control.
3	USB IN	Interface type: USB2.0 Type B, connect to a computer for parameter debugging or for cascading input.
4	USB OUT	Interface type: USB2.0 Type A , cascade output.
Audio		
5	AUDIO IN	Interface type: 3.5mm, receive audio signals from computers and other equipment
	AUDIO OUT	Interface type: 3.5mm, support HDMI, DP audio decoding and output audio signals to devices such as active speakers
Input		
6	HDMI 2.0	• 1×HDMI 2.0, support audio input. • Maximum input resolution: 4096×2160@60Hz, maximum pixel clock: 600MHz. • Customization resolution: up to 8192 pixels in width or in height. • EDID management.
	DP 1.2	• 1×DP 1.2, support audio input. • Maximum input resolution: 4096×2160@60Hz, maximum pixel clock: 600MHz. • Customization resolution: up to 8192 pixels in width or in height. • EDID management.
	HDMI 1, HDMI 2	• 2×HDMI 1.4, support audio input. • Maximum input resolution: 1920×1200@60Hz, maximum pixel clock: 165MHz. • Customization resolution: up to 4096 pixels in width or in height. • EDID management.
	DVI 1, DVI 2	• 2×DVI. • Maximum input resolution: 1920×1200@60Hz, maximum pixel clock: 165MHz. • Customization resolution: up to 4096 pixels in width or in height. • EDID management.

	U-DISK	• U-disk interface, in single-screen mode, can play video/picture in U-disk. • U-disk format: support NTFS, FAT32, exFAT. • Image format: support jpeg、jpg、png、webp、gif、bmp. • Maximum image resolution: 4096×2160. • Video format: support 3gp、avi、flv、m4v、mkv、MP4、tp、ts、vob、wmv、mpeg. - Video encoding format: MPEG-1/2、MPEG-4、H.264/AVC、H.265/HEVC、GOOGLE VP8、MOTION JPEG. - Audio encoding format: MPEG Audio、Windows Media Audio、AAC Audio、AMR Audio. • Video resolution: - Maximum: 4096×2160@60Hz (H.264/AVC、MVC、H.265/HEVC) - Maximum: 1920×1080@60Hz (MPEG-1/2、MPEG-4、GOOGLE VP8、VC-1)
Output		
7	HDMI	• HDMI1.4. • Customization resolution, output resolution: max 1920×1080@60Hz. • D9 loading capacity: 18.66 million pixels. • D9 loading capacity: 33.17 million pixels.
Power supply		
8	MAINS INPUT	AC100-240V, 50 / 60Hz, built-in fuse.

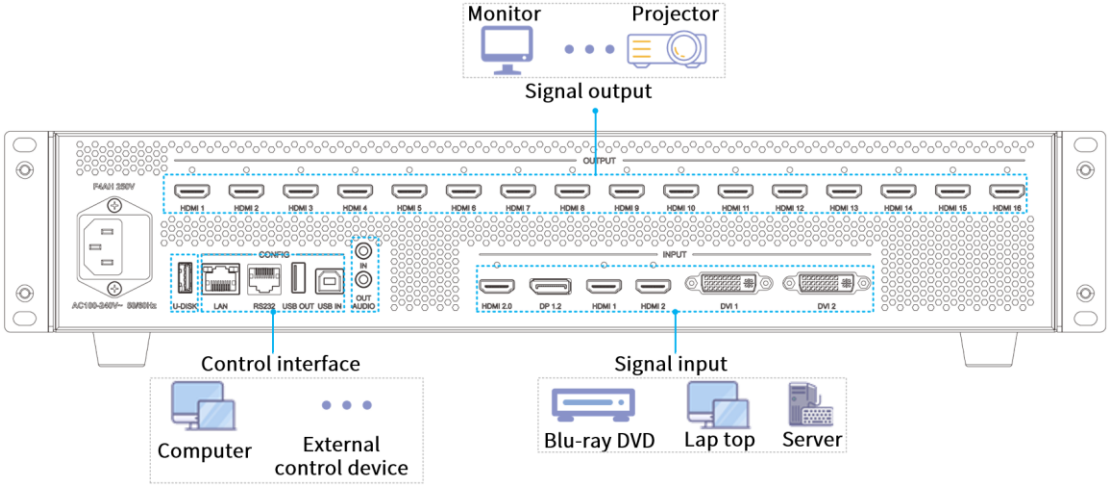
* This picture takes D16 as an example, the product picture is for reference only, please refer to the actual product.

2 Parameters

Size (W×H×D)	
Chassis size	482.6mm (19") × 103.0mm (4.1") ×366.2mm (14.4")
Packing size	550.0mm (21.7") × 168.0mm (6.6") × 520.0mm (20.5")
Weight	
Net weight	4.8kg (10.58lbs)
Total weight	7.5kg (16.53lbs)
Electrical Characteristics	
Input power	AC100-240V，50/60Hz
Power rating	50W
Work conditions	
Temperature	-20°C~65°C (-4°F~149°F)
Humidity	0%RH~80%RH，no condensation
Storage conditions	
Temperature	-30°C~80°C (-22°F~176°F)
Humidity	0%RH~90%RH，no condensation
Software version	

VIDEOSTATION	V1.5 or above

3 Hardware connection



- Step1: Connect the notebook, Blu-ray DVD and other signal sources to the input interface with the signal cable.
- Step2: Connect display devices such as HDTV and monitors to the HDMI output interface with an HDMI cable.
- Step3: Connect the control device (such as: central control device) to the RS232 interface with the RS232 serial cable.

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4 Software settings

Use the VideoStation Web for device display settings.

4.1 Detect equipment

Open the browser and enter the ip address: 192.168.1.10 to enter the VideoStation Web login interface.

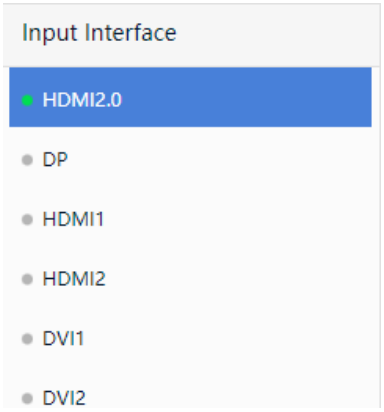
- Enter the account number and password (the initial account number is 123456, and the initial password is 123456), click **Login**, enter the VideoStation Web interface, and automatically identify the device name.

  * If the device is not detected, please check whether the network cable is connected properly and the related drivers are installed correctly.

4.2 Config screen

Check the input video source information of the current device in the **input interface** list on the left side of the **canvas view** interface.

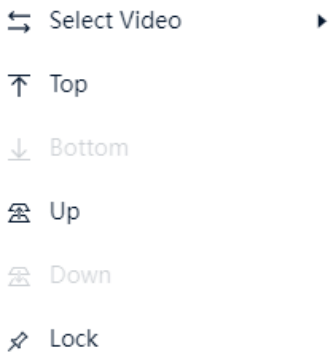
- The input interface of the current device will be displayed below the **input interface** list. When a interface has signal input, it will display● (green light).



4.3 Setting the input window

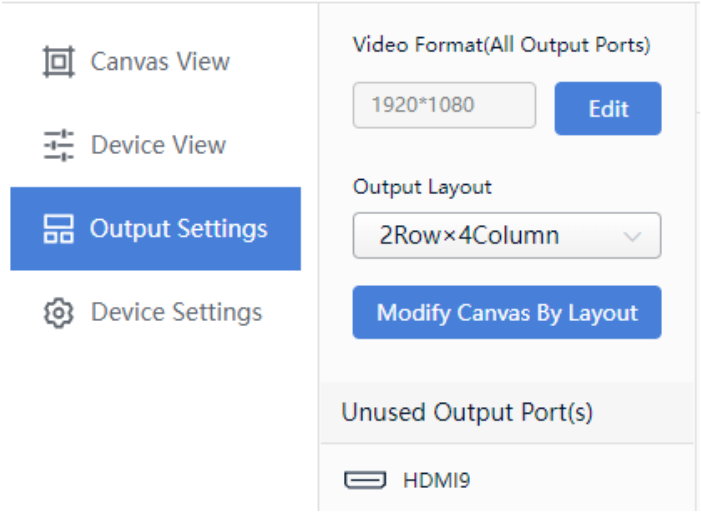
Click the name of the signal source in the device list, drag it to the canvas view area on the right, and the software will automatically generate the signal source window.

- Right-click the signal source window, and in the pop-up menu, switch the signal source of the window, set the layer position and window size as required.



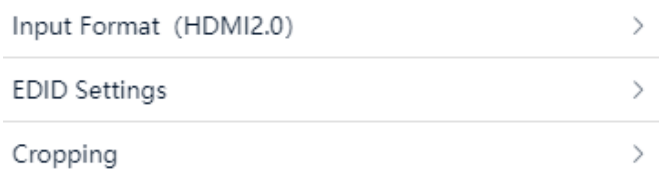
4.4 Output Settings

Click **Output Settings** to edit the Video format, modify canvas, etc.



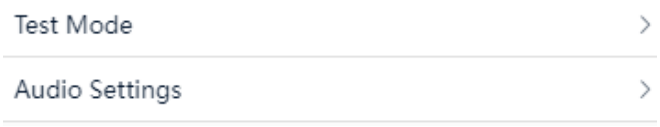
4.5 Input signal source settings

Enter the **Device View**, select the input signal source, and set the input format, EDID, cropping and other settings for the input signal source.



4.6 Global settings

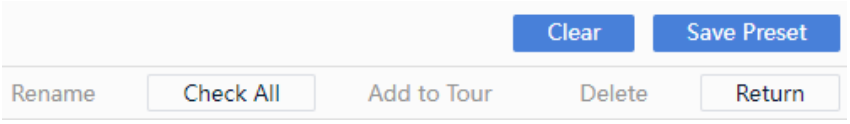
Enter the **Config View**, select the Video Wall Processor (click the non-input and output position of the mouse) and set the test mode and audio for the output of the device.



4.7 Preset and Tour

Enter the **Canvas View**, set the input source and click **Save Preset**.

- Click **Edit**, select the preset you want to add to the tour, and click **Add to Tour**.



- Set the **Tour interval** and click to **Start**.

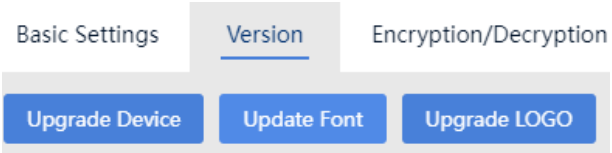
4.8 Device Settings

4.8.1 Basic Settings

Select **Basic Settings**, you can set the device name and device IP, import and export device parameters, restore factory settings.

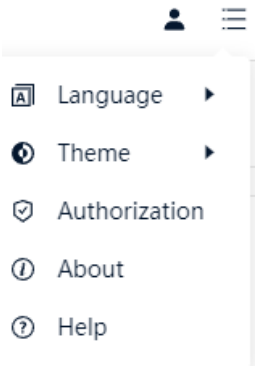
4.8.2 Version

Select **Version**, enter the device program version number interface, you can upgrade device, update font and upgrade LOGO.



4.8.3 Encryption/Decryption

On the main interface, click ☰, select **Authorization** and enter 168.



- Select **Device Set**>**Encryption/Decryption** to perform encryption, decryption and Synchronize network time operations.

5 Troubleshooting

Phenomenon	Potential Cause	Method
LCD screen does not light up, no response.	Poor power input contacts.	Check the power connector and make sure it's making good contact.
	Device power switch is off.	Make sure the POWER button is on.
Poor image display such as ghosting.	HDMI wire quality is not up to standard.	Replace with good quality wire.
	HDMI wire is too long.	Reduce signal resolution or shorten HDMI wire length.
No image output after switching signal.	The switched input channel is not connected to a source.	Check to make sure the signal source is connected properly.
	Poor wire contacts.	Check input and output wires and ensure good contact.
Unable to use this device.	Internal damage to the host.	Send to professional repair point for repairing.

Legal notice

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