

LED Wall Controller

VPC Series

VPC 20

INTRODUCTION

VPC20 is a controller with powerful video input and processing capacity. It supports 4K inputs with DP1.2 and HDMI2.0 connectors, and 2K inputs with HDMI1.4 and DVI connectors. A single unit features a loading capacity of 13.00 million pixels. Equipped with 20x 1G Ethernet ports and 2x 10G optical fiber ports, VPC20 meets the need of different scenarios. Additionally, VPC20 boasts abundant practical functions that enable flexible screen control and high-quality image display.

VPC20

Ultra 4K Professional Processor



VPC Series

FEATURES

Inputs

- Maximum 4096x2160@60Hz.
- 4K input interface: 1x DP1.2, 1x HDMI2.0.
- 2K input interface: 2x HDMI1.4, 2x DVI.

Outputs

- Up to 13.00 million pixels load capacity, with maximum 16384 pixels in width and 8192 pixels in height.
- 20x 1G Ethernet outputs or 2x 10 Gigabit optical ports output.

Audio

- 1x 3.5mm input.
- 1x 3.5mm output, support HDMI and DP audio.

Functions

- Up to 6 windows, support window overlay.
- Window roaming and free scaling.
- Free cropping and seamless switching.
- Adjust color gamut with precise color management
- Brightness and color temperature adjustment.
- 3D display (purchase corresponding accessories separately).
- Improve grayscale performance with Better Grayscale at Low Brightness.
- Save and recall 16 preset scenes.

RELEVANT FUNCTION INDICATION

- 4K UHD resolution
- 4096×2160 / 3840×2160@60Hz
- 4K×2K / 8K×1K point-to-point display
- Single 20 network ports / loading up to 13 million pixels



One VPC20 can replace four VPC4

VPC Series

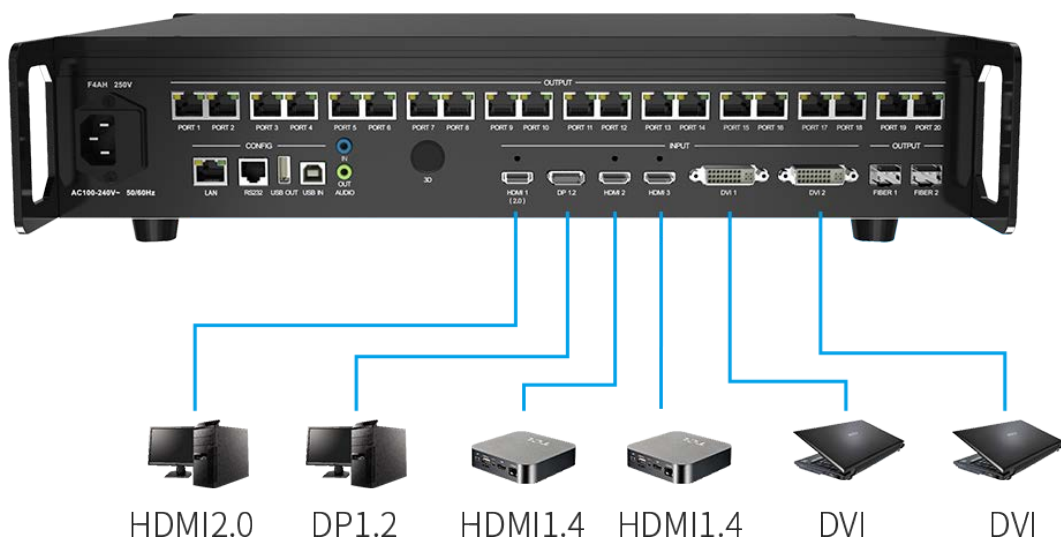
4K UHD

A single unit features a loading capacity of up to 4096×2160@60Hz. It supports any custom resolutions with the maximum width or height up to 16384 pixels, meeting the on-site configuration requirements of ultra-long or ultra-wide LED displays.



Multi-Signal Input.

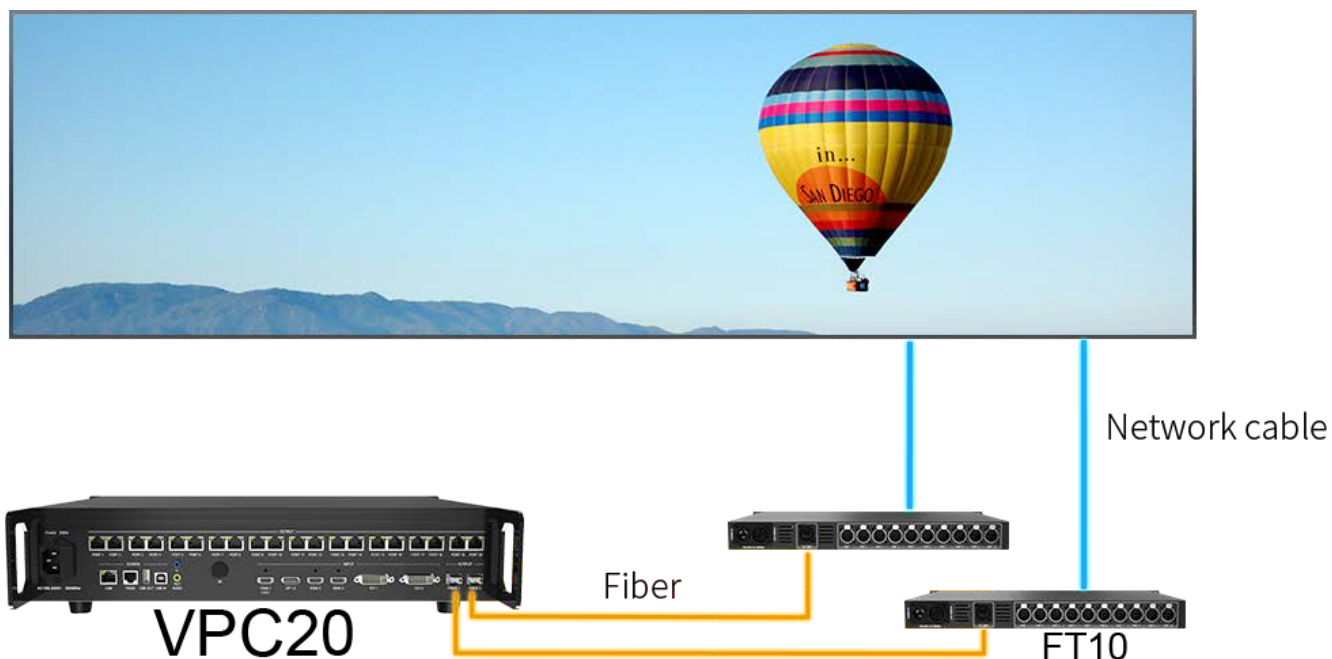
1×HDMI 2.0, 1×DP1.2, 2×HDMI 1.4, 2×DVI.



VPC Series

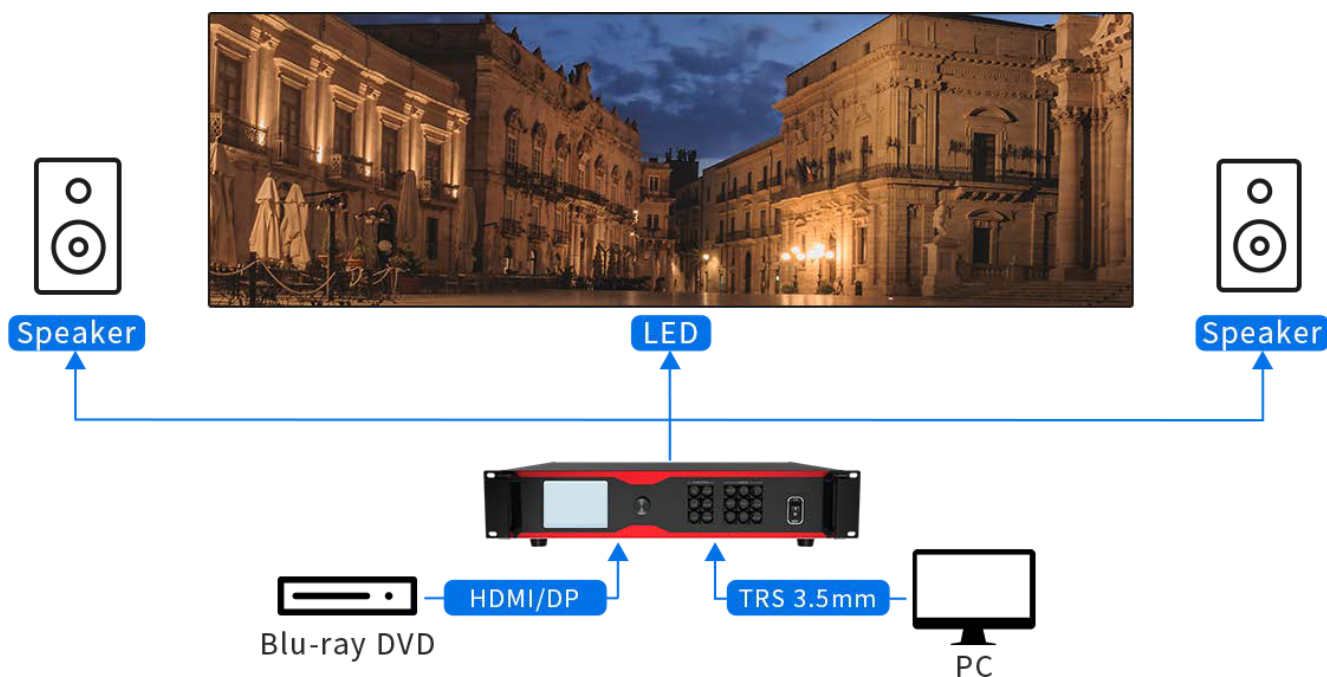
Fiber Transmission

2X10G bandwidth optical fiber, Up to 10km long-distance transmission



Independent Audio Ports Provide Spectacular Sound

Equipped with Hi-Fi audio input and output ports, it extracts from the HDMI signal and output the audio to speaker through the device audio port. Speaker system make it easier to operate



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10bit color depth

Higher color depth means more shades of color.



8bit

10bit



8-bit



10-bit

During scenes with dynamic lighting changes, light, shadow, and color are all expressed in beautiful detail, making the image more real, accurate, and layered.

VPC Series

SPECIFICATIONS

Product Name	VPC20
Maximum out load	13million pixel
Width and height maximum	Widest: 16384 pixel Highest:8192 pixel
Input interface	1xDP1.2/1xHDMI2.0/2xHDMI1.4/2x DVI
Color bit depth	12bit/10bit/8bit
Output interface	RJ45x20 OPTx2
LCD panel	Support
Quick setup	Support
Independent gama	Support
3D	Option
Control method	TCP/IP USB RS232

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