

LED All-in-One Processor

VPC7

INTRODUCTION

VPC7 is a professional control system and video processing equipment specially designed for LED engineering applications. It comes with a variety of video signal interfaces, supports high-definition digital interfaces (DVI, HDMI, SDI) and seamless switching, and can achieve broadcast-level quality scaling and multi-screen display. The VPC7 has 8 Gigabit Ethernet outputs and supports an LED display of up to 8192 pixels with a width or height of 4096 pixels. In addition, VPC7 is also equipped with a series of flexible screen controls and multi-functional functions of high-quality image display, which has strong advantages in LED engineering applications.



FEATURES

- Multiple digital signal ports, including 2x DVI, 1x HDMI, 1x SDI.
- The carrying capacity is up to 5.2 million pixels, the maximum width is 8192 pixels, and the maximum height is 4096 pixels.
- Input resolution up to 1920x1200@60HZ
- 8 Gigabit Ethernet output ports, supporting network port redundancy or controller redundancy.
- User-definable video source switching and scaling
- Up to 3 layers, easily customize position and size.
- Independent audio input and HDMI audio decoding.
- RS232 protocol.
- HDCP
- Brightness and color temperature adjustment
- Supports better grayscale under low brightness, which can effectively maintain the complete display of grayscale under low brightness.

VPC7

RELEVANT FUNCTION INDICATION

Feature



Full Compatibility of Different Input Signals

Support various HD video input signals, suitable to different scenarios

Support large load capacity with 8 network output ports

Various Input Ports

1 × HDMI

2 × DVI

1 × 3G-SDI



Multiple network output ports

8 × network ports

5.2 Million pixels

Load capacity

8192

Maximum Width

4096

Maximum Height

Three-Layer Display

Free display layout for 3-layer of HD inputs, enabling smooth scaling effect



Video Deinterlacing

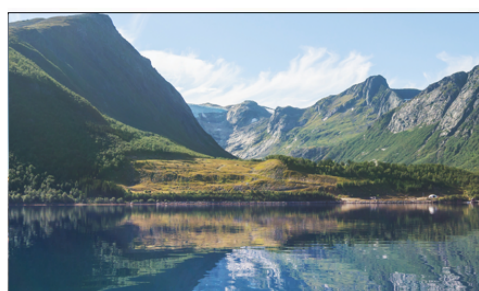
3G-SDI input port supports video deinterlacing. Refined algorithm makes image display clearer



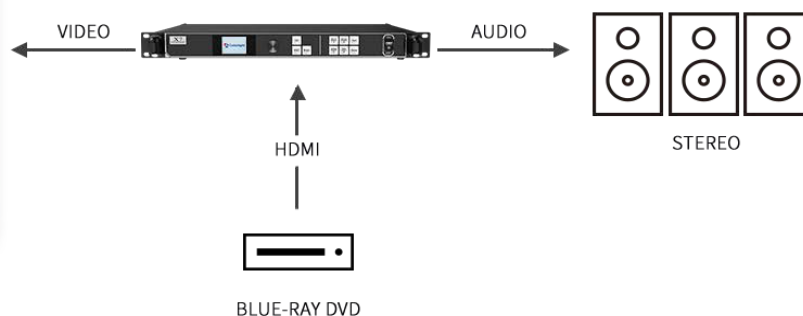
Before deinterlacing

After deinterlacing

RELEVANT FUNCTION INDICATION



LED



SPECIFICATIONS

Model	VPC7
Input	1xSD1/1xHDM11.4/2xDVI
Input Resolution	1920x1200@60HZ
HDCP	1.4
Output	8x1G Ethernet
Loading Capacity	5.2 million pixels
Serial Port Control	√
USB Control	√
Audio	√
Video Processing	Cropping, Scaling, PIP, Switching
Layers	3
Loop Backup	√
Precise Color Temp	√
Certification	C€ FC ICCCRoHS