

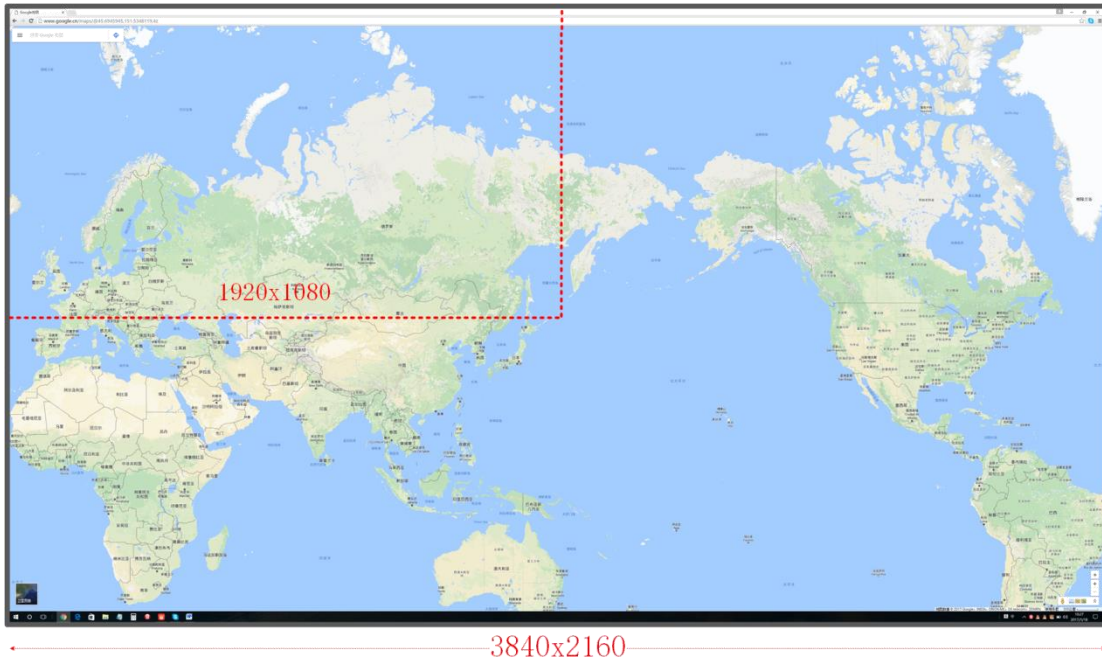
HD 4K Video Wall Processor

Chapter one 4K and 1080P the difference

1, The same size for high definition , as shown in the following figure



2 , The same definition,4K presents a wide field of vision



Chapter two The product introduction

The device is a high performance UHD ultra HD 4K video wall processor, its main function is the 2x2 display unit displays a 3840x2160@60HZ of super high definition image. Products using advanced image processing technology, the input signal can support HDMI2.0, that is 3840x2160@60HZ, even when playing fast animation, there will be no delay, dropped frames are like.

Products with superior performance and high resolution display features, widely used in need showroom to display HD video image and the need to show more clear and rich in detail some specific places, such as military maps, GPS positioning system, oil management monitoring, satellite positioning and other needs with Super resolution display of working environment.

Chapter three Main functions

1 , Input signal

Support 1 HDMI2.0, 1 HDMI1.4 (compatibility MHL), 1 DP1.2 signal input.

- * HDMI2.0 port maximum support 3840x2160@60HZ resolution and refresh rates of the HDMI signal input;

- * HDMI1.4 port maximum compatibility 3840x2160@30HZ HDMI signal input, at same time, it can also be compatible with the input of the MHL signal through the ordinary turning line;

- * Supports 1 channel DP1.2 signal input, maximum resolution up to 3840x2160@60HZ;

2 , Output signal

Support 4 channel HDMI 1.3 output, output resolution of 1920x1080@60HZ.

3 , Signal switching function

Support 1 HDMI2.0, 1 HDMI1.4,1 DP signal input. Switching can be done by remote control, chassis,or through the automatic recognition function of the input signal.

When the device is set to the automatic identification signals and input port is not connected input signal, any signal input port you can automatically switch to the port and splicing screen displays the port signals.

4 , Quad-screen processing

Achieving the most basic 2x2 four-screen splicing function, and you can also set 1x2,1x3,1x4 display modes, as shown in the following figure:



2x2 Model (3840x2160@60HZ)



1x2 Model (resolution 3840x1080@60HZ)



1X3 Model (resolution 5760x1080@30HZ)



1x4 Model (resolution 5760x1080@30HZ)

5 , Image rotate function

Compared with ordinary products, The device has a set of signals 180 degree flip. When users are using common LCD splicing, on a row of LCD TV flip 180 degrees, thus substantially reducing LCD splicing gap, reducing image distortion caused by seam is too large, as shown in the following figure:



Upper row LCD flip effect



Image rotate effect

6 , Audio functions

6.1 , Input signals HDMI,MHL,DP support audio input function;

6.2 , Output HDMI and audio input devices are connected, view audio and synchronized playback can be realized;

6.3 , Support 3.5mm headphone stereo left and right channel independent stereo output connections;

1 , Pure hardware frame

Pure hardware frame, no CPU, no memory, boot only need 3 to 5 clock, system stability, no crashes, system crashes, virus infection risk; the year 365 days every 24 hours of uninterrupted work;

2 , Advanced DSP image processing technology

Using the most powerful image processing chip DSP technology. DSP technical support DCDI edge smoothing, ACM Adaptive color management, support of CCS color crosstalk suppression, support SHARPNESS sharpness enhancement, dynamic contrast enhancement, genuine six-axis colour control overlap, elimination of noise amplification and other world-leading image processing technologies and functions.

And with 3D comb filter decoding, 3D noise reduction and motion-adaptive de-interlacing, color correction, color enhancement, GAMMA correction, and advanced features such as frame rate conversion. Output images without jagged lines or tail, delicate picture quality sharp, smooth and clear, bright colors.

3 , Powerful data operations

Data parallel processing technology, each output reached 1920*1080@60HZ high resolution display. High speed dynamic picture no tail, delay, tear, dropped frames, images chasing phenomenon.

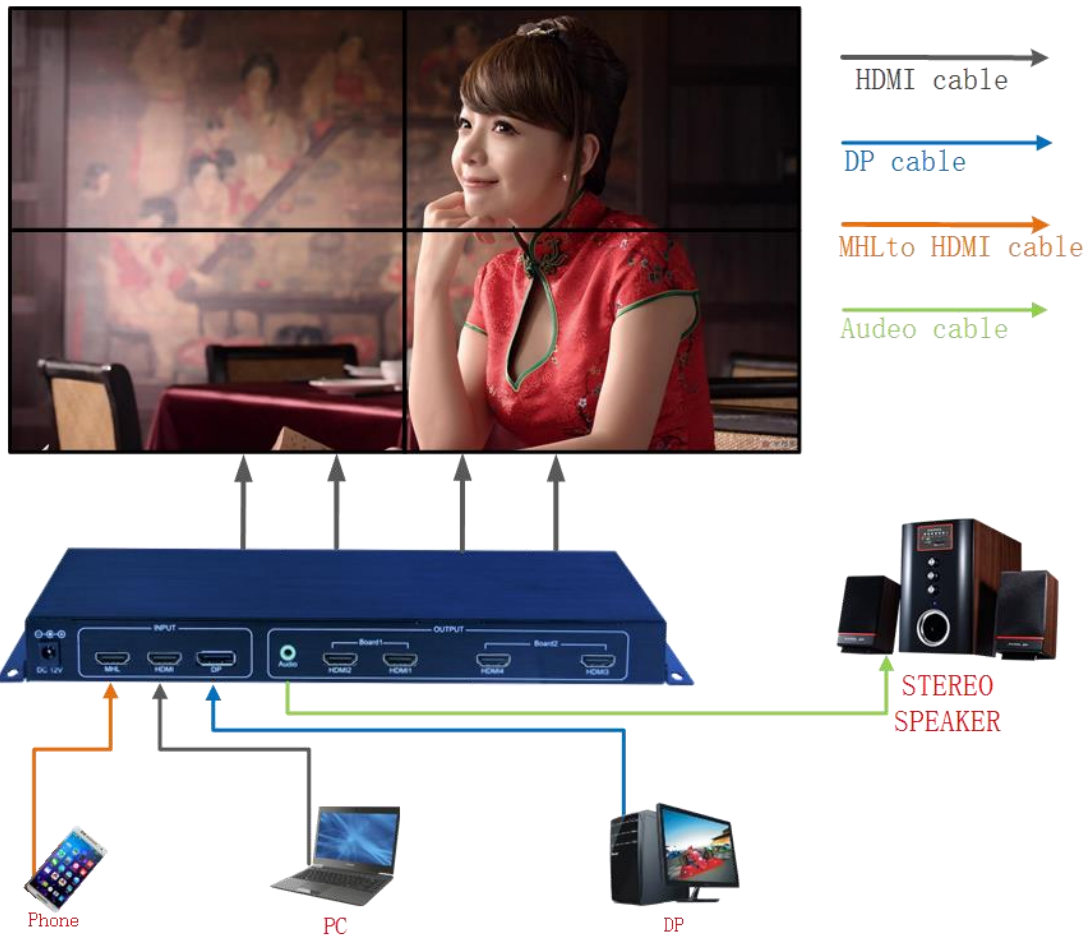
4 , Support 3840*2160@60HZ HD signal input

The HD video wall processor is supported by 1 DP, 2 HDMI (compatibility MHL) signal input , HD video support interlaced and progressive input. Product supports up to 3840*2160@60HZ of ultra high resolution signal input, and downward compatible; all input signals through professional-level image processing chip, unified output line by line 60HZ HDMI signal, 4 ports together to achieve the output resolution 3840X2160@60HZ.

5 , Ultra low power consumption

Products using low-power design, no fan cooling, energy saving and environmental protection, no noise pollution, suitable for all kinds of noise control more stringent meetings or other places.

Chapter five System topology



Chapter six Product pictures



Chapter seven HD 4k video wall processor specifications

The name	Specifications
Signal input	
Input interface	1 HDMI2.0, 1 HDMI1.4, 1 DP1.2 compatible MHL signal;
Resolution	HDMI And DP supported maximum resolution of 3840*2160@60HZ, downward compatible;
Output	
Output interface	4 HDMI1.3 output display device, supports synchronized audio and video outputs; 3.5mm audio left and right channel stereo for stereo audio;
Output resolution	1920x1080@60HZ ;
Color depth	24bit, 1677
Control mode	Chassis keys, remotes, RS-232;
Input voltage	DC 12V;
Display mode	2x2 、 1x2、 1x3、 1x4
Product size	286 (long) x175 (depth) x30 (high)
Weight	0.75KG
Power	Maximum 25W