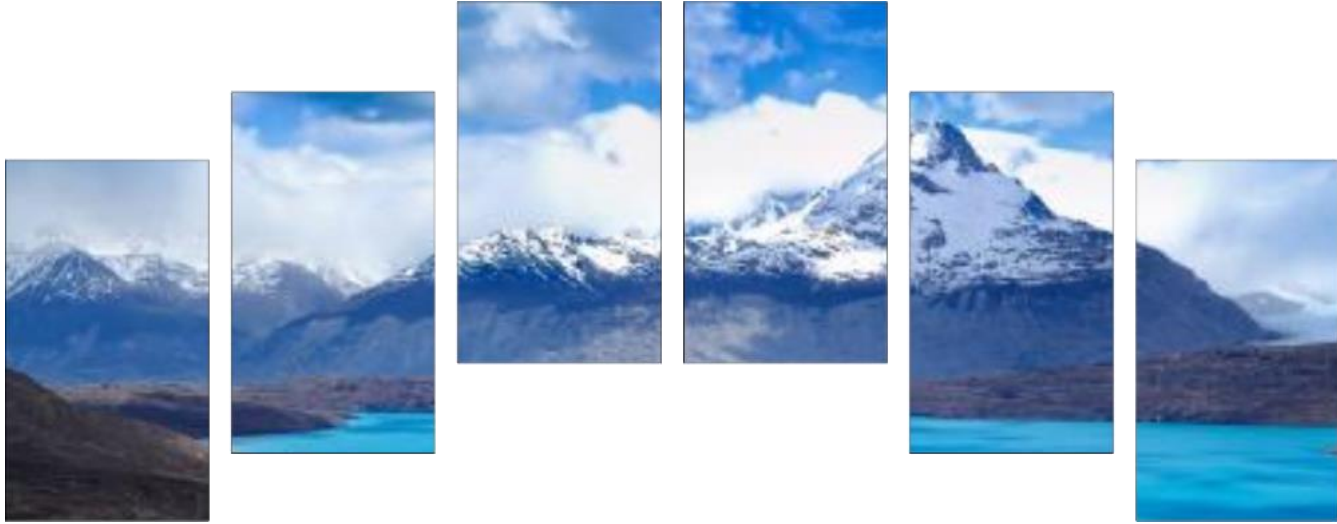




深圳市图科电子有限公司

TK-UD plus 4K video wall controller



Play your unlimited imagination

Let the video display no longer monotonous

Product introduction

TK-UD plus series ultra clear video wall controller is a customized 4K six-picture video wall controller, Stand-alone support for custom 2 to 12 screens, multiple machine cascades can achieve unlimited stitching, Its main function is to use any horizontal screen and vertical screen. The screen of any size can be arranged by any position to produce a clear or clear display with irregular rules. The product adopts advanced image processing technology, and the input signal can support HDMI2.0, which is 3840x2160@60HZ. Even when playing fast animation, there will be no delay or frame loss.

With its superior performance and high-resolution display characteristics, the product is widely used in showrooms that need to display high-definition video images, as well as specific places that need to display more clear and rich details, such as shopping mall advertising screens, event scenes, flagship stores, publishing hotels, Clubs, bars, restaurants and other places. The style of fashion and personality will show the user a distinctive, personalized, cutting-edge splicing large-screen display.

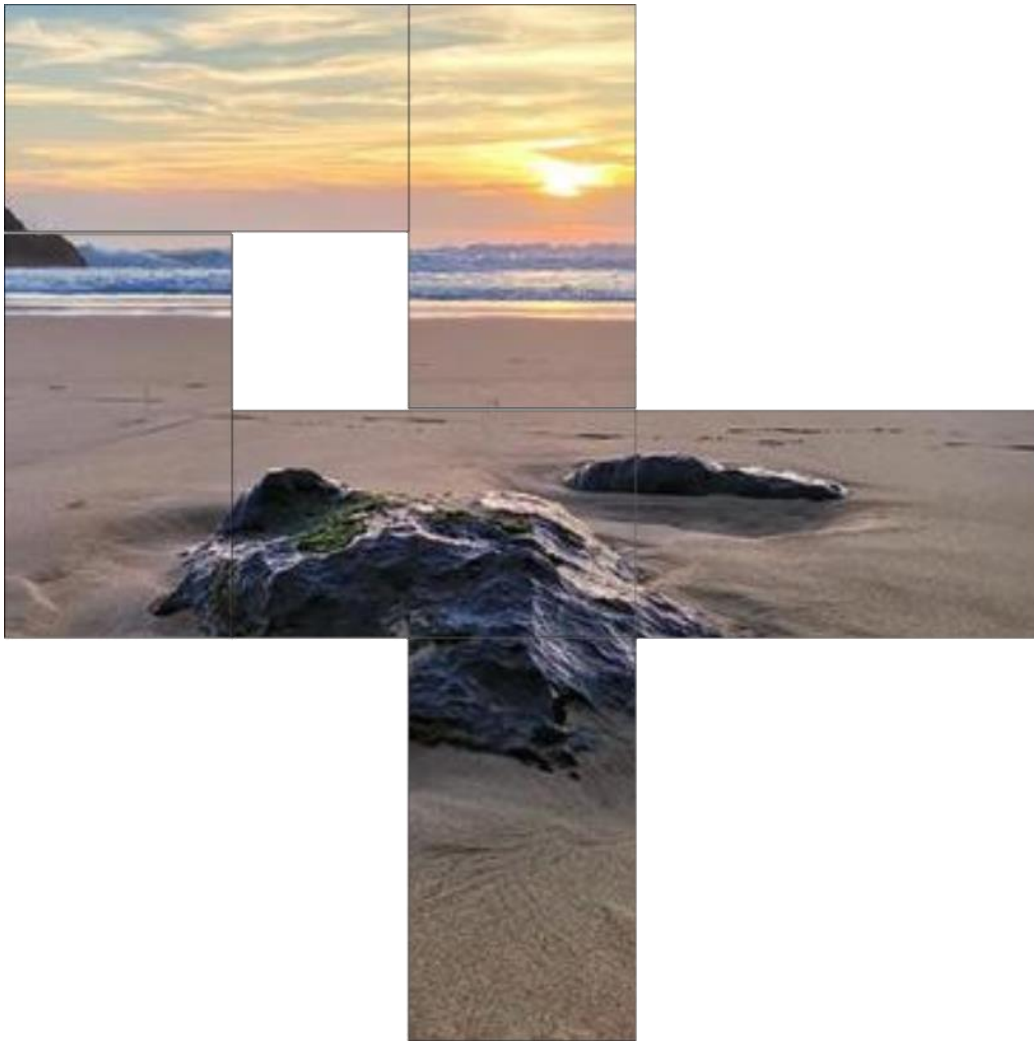
The main function

- Support horizontal screen, vertical screen, different size LCD screens for simultaneous irregular stitching;
- Supports regular stitching quick setting and supports regular stitching edge shielding function;
- Visualized shaped stitching control software for easy operation and debugging;
- Support 1 channel HDMI2.0, 1 channel HDMI1.4, 1 channel DP1.2 signal input;
- Support 6 channels of HDMI 1.3 signal output, output resolution 1920x1080@60HZ;
- Each display unit can intercept any part of the input signal display;
- Single machine can be customized 2 to 12 screen stitching, multi-machine cascade can be customized for unlimited stitching;
- Can be set to any of the output ports for 90 degrees, 180 degrees, 270 degrees flip function;
- Support 3.5mm headphone jack left and right channel stereo independent output to connect stereo sound;
- Support 90V ~ 264V ultra-wide AC voltage input, can be used in any country in the world;

Detailed introduction

1、shaped stitching function

TK-UD plus six-screen video wall controller are also called creative stitching or irregular stitching, the user can place the same or different size LCD screens horizontally or vertically, and splicing into a personalized complete picture through professional debugging software settings. The following figure shows an example of the stitching effect picture:



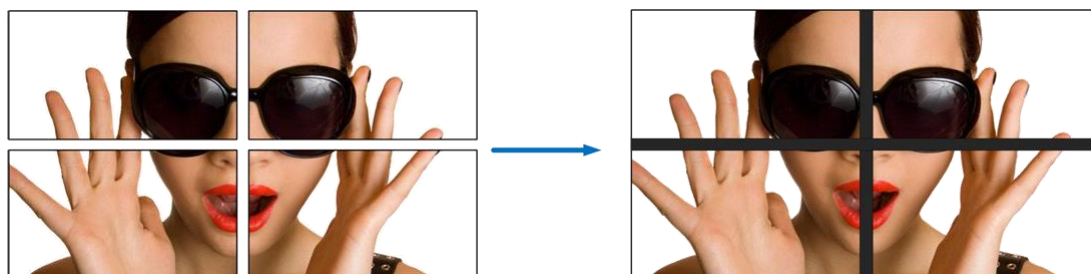
2、regular stitching function

In addition to profiled stitching, it also supports fast regular stitching settings, such as the commonly used 2x3 etc.



3、Edge masking

All splicing display units have a certain physical border gap. In the case of no edge masking function, the image will appear visually pulled open, which feels very unnatural; the image processed by the edge mask has no deformation, stretching, and visual Naturally realistic. In the normal stitching mode, the edge shielding can be set by the control software, as shown below:



4、Image rotation function

Through the control software, any one of the output units can be set to rotate at 90 degrees, 180 degrees, and 270 degrees to complete the simultaneous splicing of the horizontal screen and the vertical screen in the special-shaped splicing, as shown in the following figure:



5、Any screenshot function

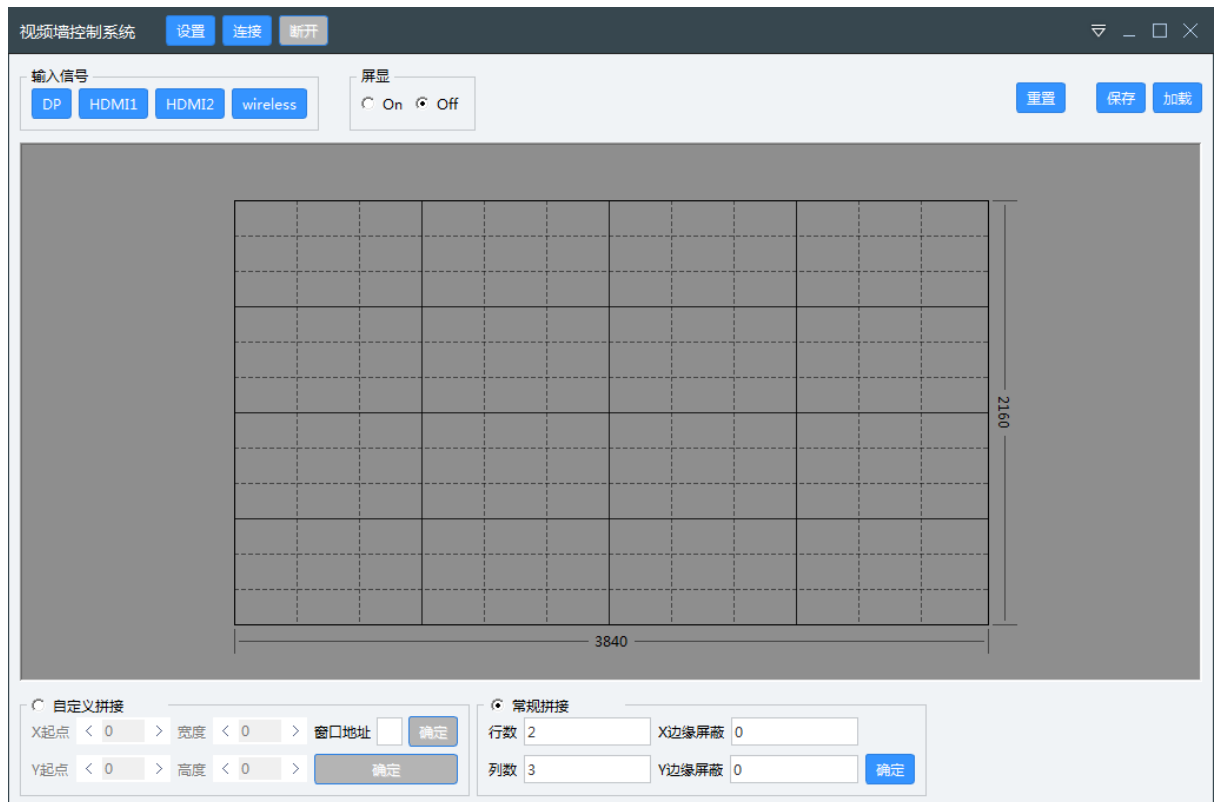
Each display unit can freely set any part of the intercepted input signal to complete the profile stitching function of the image, as shown in the following figure:



6、Visual control software

TK-UD plus series ultra clear video wall controller comes standard with visualized interface green control software VideoWallcontrol, ready to use, no need to install. Through the control software, the full function control of the video wall controller can be completed, such as switching of input signals, arbitrarily dragging the position and size of the window by the mouse to complete splicing, opening and closing of the screen display, saving and calling of the

mode, and the like. The control software is shown below:



7、Ultra clear 4K signal input

- * Support 1 channel HDMI2.0, 1 channel HDMI1.4, 1 channel DP1.2 signal input.
- * HDMI2.0 port can support up to 3840x2160@60HZ resolution and refresh rate HDMI signal input;
- * HDMI1.4 can be compatible with HDMI signal input of 3840x2160@30HZ;
- * Support 1 channel DP1.2 signal input, the highest resolution can reach 3840x2160@60HZ;

8、Output signal

Support six-channel HDMI 1.3 signal output, output resolution 1920x1080@60HZ.

9、Signal switching function

Support 1 channel HDMI2.0, 1 channel HDMI1.4, 1 channel DP signal input. Signal switching can be done automatically via the remote control, chassis

buttons, or via input signals.

10、Audio function

10.1、The input signals HDMI and DP support the audio input function;

10.2、Output HDMI is connected to the device with audio function input, which can realize synchronous playback of scenes and sounds;

10.3、Support 3.5mm headphone jack left and right channel stereo independent output to connect stereo sound;

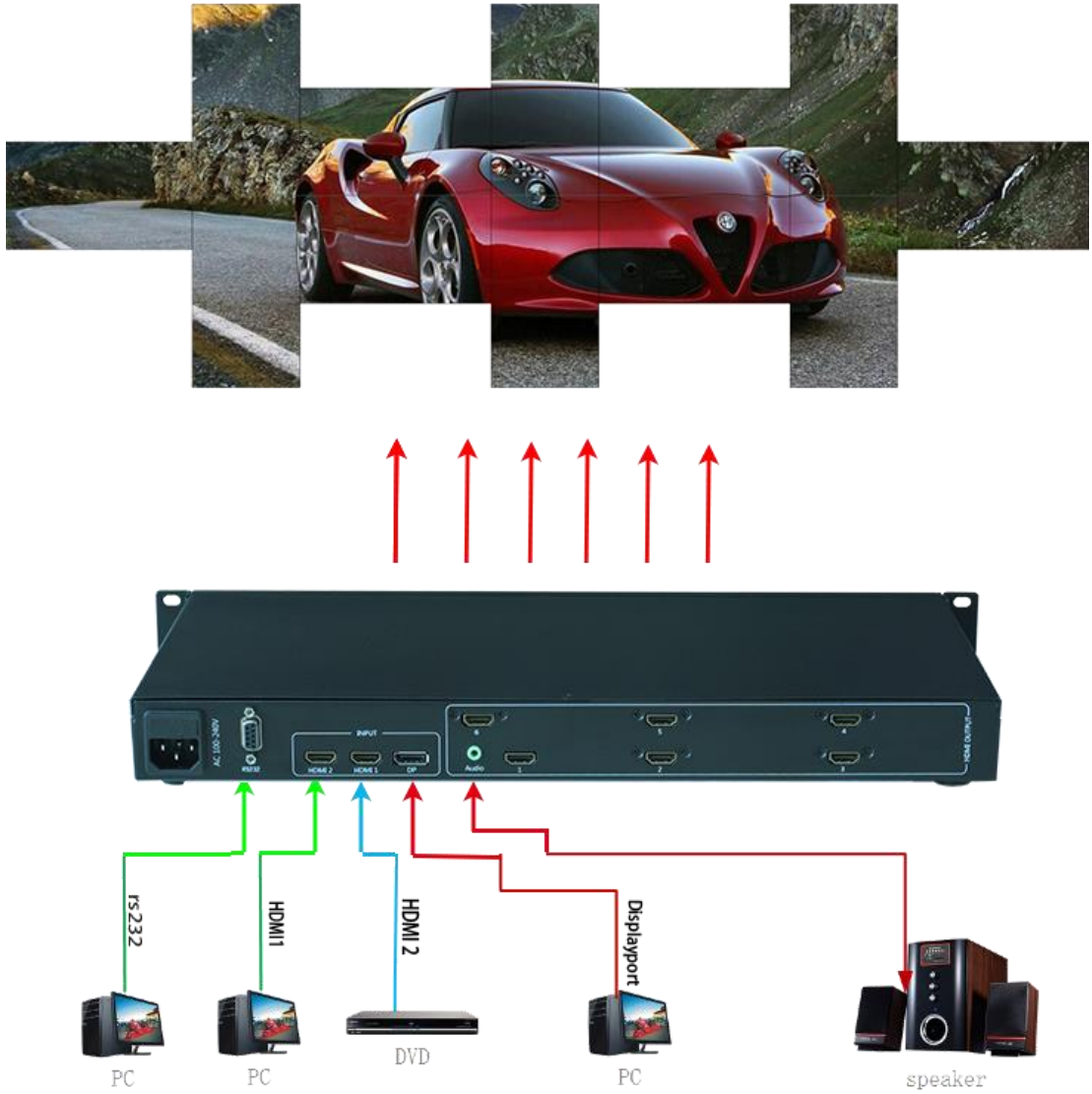
11、Button control

Support chassis key control, a total of 3 shortcut keys in the front of the chassis, can achieve the switching of input signals.

Dimensions

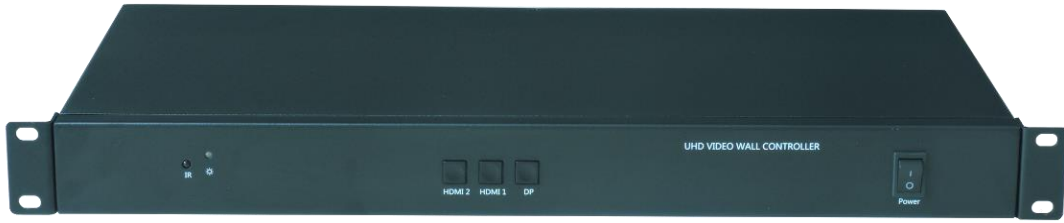


System topology





Product Image





TK-UD plus 4K ultra clear video wall controller technical indicators

Name	specification
Input	
input interface	1 channel HDMI2.0, 1 channel DP, 1 channel HDMI1.4 signal;
Resolution	HDMI and DP support a maximum resolution of 3840*2160@60HZ, backward compatible;
Output	
Output Interface	6-channel HDMI1.3 output connected to the display device, supporting audio and video synchronization output; 1 3.5mm audio left and right channel stereo for stereo sound;
Output resolution	1920x1080@60HZ;
Color depth	24bit, 16.77 million colors
control method	Chassis button, software control;
Input voltage	AC voltage 100-220V;
Display mode	Alien stitching and standard stitching modes, etc.
Product Size (1U)	440mm (length) x240mm (deep) x43mm (height)
Product Size (2U)	442mm (length) x242mm (deep) x45mm (height)
net weight	(1U) 3.0KG、(2U) 3.0KG
Power consumption	20W maximum