U2

AV Splicing Processor

★Splicing outputs with resolution up to 2560×1536@60Hz.

★Support user-define output resolutions 2.6million.

★Multi-machine Synchronous Cascade.

★Support synchronous transition of audio and video.

★Fade-in and fade-out transition between any signals.

★Two-channel output, able to complete PIP and POP display.

★Support 1080P full-screen monitoring output.

★2pcs LED sending cards built-in ability.

★Gathering usage records and Engineering lock.

★Navigational settings, easy to be used without training.

Three Output Modes

Splicing Modes

The two outputs of U2 output different parts respectively to form a complete picture and realize seamless splicing on the LED diplay, able to support the maximum 2560×1536 resolution.

Copy Mode

The two output ports of U2 output uniform picture. It is easy to drive two identical screens. When driving a single screen, it can also be relatively easy to connect the sending cards.

In this mode, it Support user-define output resolutions 2.6million.

Monitoring Mode

The two output ports of U2 output uniform signal. One acts as a programming output to drive the LED display while the other one keeps the original image to drive the local monitor, at the same time.

Special function

Gathering usage records

Using this function , You can know the use condition of machine any time.

Engineering lock

U2 Support engineering lock function, and could set working hours. After the scheduled time is reached, it is required to enter the unlock code to use.

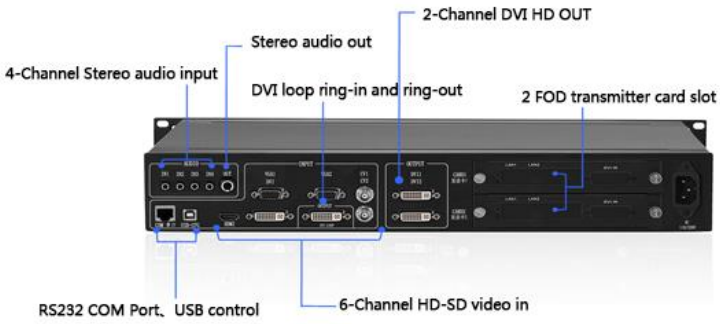
In use time, if failed to unlock timely, the device will be locked, and no other operations could be conducted except entering unlock code. The device has no output during locking process.

Professional Configurations

Professional AV Ports

Standard U2 has 6-channel video input:HDMI×1，DVI×1， VGA×2，CVBS×2；DVI loop×1。

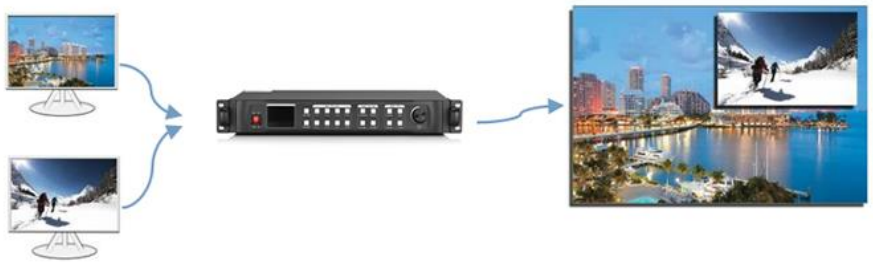
In particular, KS800 is equipped with 4-channel stereo input and 1-channel audio (The video signals can be specified for synchronous switching).

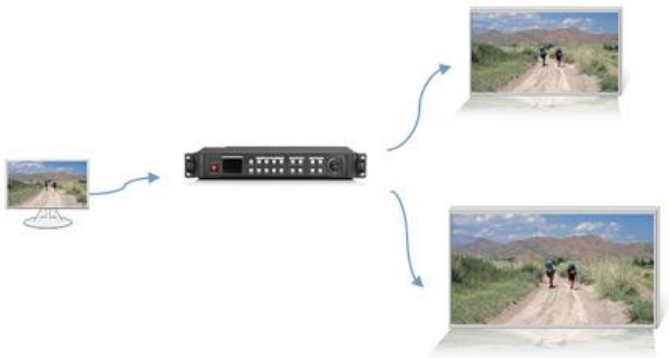


PBP and Transition Effects

PBP Display

U2 can support PBP to achieve PIP and POP display or can be used to control two screens different in size.





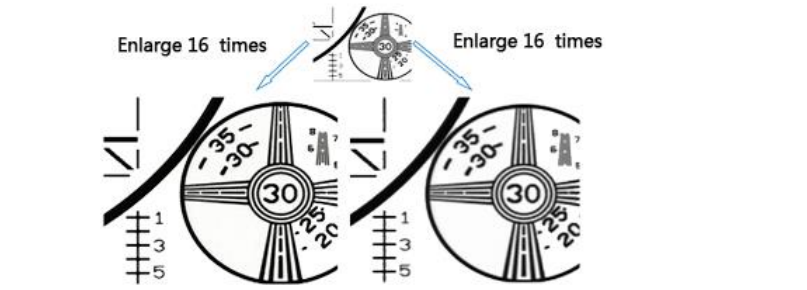
Fade-in and fade-out transition

All input signals of U2 can support fade-in and fade-out transition.

High-Performance Iamge Processing

Super Resolution and LED Intelligent Balancing

U2 can support Super Resolution zoom technology, able to zoom in/out images by any size and simultaneously enhance the image details. In addition, the LED intelligent balancing technology can bring better color performance for the LED display system.



Parameter Details

Input signal		
Type	Quantity	Descriptions
DVI-D （24+1）	1	· Max resolution supported is 1920*1200@60Hz ， downward compatibility ·Compatible with HDMI1.3 and lower versions
HDMI(TYPE A)	1	· Max resolution supported is 1920*1200@60Hz ， downward compatibility ·Compatible with HDMI1.3 and lower versions
VGA (HD-15)	2	· Max resolution supported is 1920*1200@60Hz ， downward compatibility . Signal level: R, G, B, Hsync, Vsync: 0 to1Vpp±3dB (0.7V Video+0.3v Sync) 75Ω； black level： 300mV Sync-tip： 0V
Composite video (BNC)	3	·NTSC/PAL adaptive Signal level: 1Vpp±3db (0.7V Video+0.3v Sync) 75Ω
SDI (optional)	1	·SD-SDI follows the SMPTE259M standard while HD-SDI follows the SMPTE292M standard.
1/8" TRS audio	4	·2.0Vp-p / 10 KΩ
Output signal		
Type	Quantity	Descriptions
DVI-D （24+1）	2	·Max resolution supported is 2048×1200@60Hz, 1800×1300@60Hz， 1700×1400@60Hz, 1536×1536@60Hz, downward compatibility ·Support splicing output, with the dual-port maximum splicing resolution able to reach 2560×1536@60Hz ·Compatible with HDMI1.3 and lower versions
1/4" TRS audio	1	·2.0Vp-p / 10 KΩ
Control interface		
Type	Quantity	Descriptions
RS232（RJ 11）	1	. Baud rate 9600, with an RJ 11-RS232 cable attached
Product features		
Splicing output	· The dual-port maximum splicing resolution can reach 2560×15360@60Hz.	
Full-screen monitoring output	·Able to synchronously monitor the full-screen images of the program output on the local monitor	
Fade-in and fade-out transition	·All signals can support fade-in and fade-out transition.	
Part/full switching	·Able to intercept and display any area of the input signal and touch to complete the local/global switching	
Super Resolution Scaling technology	·The picture size can be freely zoomed in and out. ·Able to effectively keep the image details and reduce the out-of-focus phenomenon due to image scaling	
Double-picture display	·Able to realize PIP (picture in picture), PBP (picture by picture) and POP (picture out of picture) functions ·Each picture can be freely zoomed in and out for arbitrary layout and picture mutual superposition is available.	
Black key	·One key clicking for blank output, which is often used in entertainment activities	
Scheduled task	·Make timing operation to complete automatic management via KYSTR software	
Others		
PC control mode	RS232	Dimensions (mm)	66(Height)×432(Length)×225(Depth)
Weight(Kg)	3.5	Input power	100-240VAC，47-63Hz，≤2A
Working environment	Temperature 0-40℃; humidity 0-95%	Warranty period	1 year

The parameters are subject to changes without further notice.