



## Description

The video splicing processor is the latest ultra-intelligent and super-cost-effective video signal processing device. It adopts a plug-in standard cabinet and pure digital signal processing, which can realize high-definition and smooth display of 4K@60Hz and below resolution video signals on screens with different specifications. It adopts RGB4:4:4 color processing, which can achieve rich colors, clear picture quality, real and delicate LED display effect. It is widely used in security monitoring, display and exhibition, transportation, command and control, education and scientific research, medical teaching, administrative management and other industries.

## Feature

- \* 1U metal structure cabinet, the enclosure protection level meets the requirements of IP20 in GB/T4208-2017;
- \* Pure hardware, using high-performance FPGA architecture, no internal operating system, no system crash, no virus intrusion, wide compatibility, allowing frequent power on/off, with start-up response time < 18S, it can start working as soon as being powered on.
- \* A single board supports 2/4/6/8 split screen display, and each separate split window can be dragged, zoomed and roamed at will, and characters can also be added to the signal window;
- \* Support the banner function, support displaying subtitle banners on the splicing screen, support the modification of banner layout, content, background color and transparency by area, font type, size, color, alignment, and word spacing by area;
- \* Support logo display, support adding a logo (text or picture) to the input image screen, and support adjusting the size, position and font color of the text or picture of the logo;
- \* Support board hot-swapping, no need to restart and set up the device, support automatic recovery of previous layer data after replacing the board, and the image display is normal;
- \* Support input board backup, the two ports of different input cards can realize the backup of input signals between boards, if any signal is interrupted, the displayed image will not be affected;
- \* Support Genlock reference synchronization, which can realize synchronization between devices after cascading;
- \* Support the screen synchronization function of the entire multi-row and multi-column display screen, and there will be no tearing, misalignment, etc. for the rapidly changing screen;
- \* Support online editing of EDID, all input and output signals can be customized through EDID editing;
- \* With group management, support up to 9 groups, each group supports independent control, support independent setting of output resolution for each group;
- \* Support special-shaped splicing, support any custom resolution of each output port, and any layout display;
- \* Support intelligent central control function, and the central control card can be configured to control the large screen environment;
- \* Support fault intelligent self-inspection, the relevant hardware fault information can be queried in the software, which is convenient for troubleshooting;
- \* Support brightness adjustment, window static frame setting, seamless switching;
- \* Support PC scene, the scene file can be exported as a backup;
- \* Support to intercept part of the input image for display;
- \* Support scene timing and scene rotation;
- \* Support 3.5mm audio input/output and HDMI audio input;
- \* Support PC terminal, pad terminal, mobile terminal, central control password and other methods to control, and the scene can be called and switched arbitrarily;
- \* Support multi-user management, multiple users can log in at the same time, and the main user can authorize functions for second- and third-level users;
- \* With C/S architecture control mode, support C/S architecture screen preview and echo;
- \* Support B/S architecture, support direct access to devices through browsers, switch signal sources, and call scenes;
- \* The software supports Windows, iOS, Android, HarmonyOS, Kirin and other operating systems.



### Specification

Cabinet	1U
Maximum installation input slot	1
Maximum installation output slot	2
Input signal type	DVI, HDMI1.3, HDMI1.4, HDMI2.0, DP1.2, VGA, 3G-SDI, 12G-SDI, intelligent central control card
Input maximum resolution	( 4K ) 3840*2160@60Hz
Output signal type	DVI, HDMI1.3, HDMI2.0, DP1.2, 3.5mm audio card
Output maximum resolution	( 4K ) 3840*2160@60Hz
SYNC-OUT	Synchronous cascade loop out
SYNC-IN	Synchronous cascade loop-in
NET	Network interface, connect this interface with computer and other control equipment through network cable
COM1	Used to implement serial port control
COM2	Reserved port
Voltage	100-240V , 50/60Hz
Standard power supply	1 (do not support power redundancy backup)
Power consumption	36W
Working temperature	0°C ~ +50°C , Humidity: 10%RH ~ 80%RH
Storage ambient temperature	-10°C ~ +60°C , Humidity: 10%RH ~ 90%RH
Dimensions (L*W*H)	482.6mm*255mm*44.5mm
Weight	2.7kg