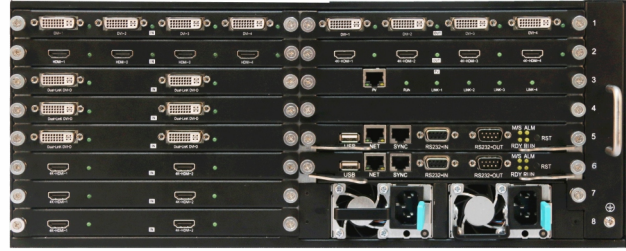




# Splicing Processor Cabinet (4U)

## TV-8312



### Description:

The multi-signal splicing display application system supports unified access and management for multiple types of signals, and the relevant system signals are connected to the input of the processor, and are output to the display system after image processing. It can achieve the access of video sources (including 4K video sources) such as computers, servers, cameras, DVDs, and display these signals on the LED display system (the LED display system can be LCD splicing screen, DLP splicing screen, etc.). Through the operation and control of the software, functions such as image switching, windowing, superimposition, stretching, roaming, multi-screen, scaling or picture-in-picture can be achieved.

### Feature:

- \* 4U switch main cabinet, support 8 input slots, 3 output slots, 1 echo slot, 2 power slot, 2 control card slot; no redundant power supply; with LED lights on the front panel.
- \* Control method: web page mode (Chrome, 360, Sogou browser, etc.), client mode, third-party control, remote control of the splicing processor on/off.
- \* Support both B/S and C/S control methods.
- \* Support image flexible switching, splitting, superimposition, roaming, scaling, cropping, etc. Support seamless switching of screens, no blank screen, no delay, switching time  $\leq 20\text{ms}$ ; support matrix function, support matrix switching while implementing splicing function. It can realize the splicing display of different signals, and at the same time support switching different signals to multiple display screens.
- \* Board card hot swap: support full hot swap. Plug out while still power-on does not affect the normal operation of other modules. Input board card hot swap recovery time  $< 3\text{s}$ ; output board card hot swap recovery time  $< 5\text{s}$ .
- \* Support redundant power supply: The failure of a single power supply will not affect the operation of the whole machine.
- \* Support scrolling subtitles: support the display of scrolling subtitles (such as welcome messages, etc.) on the splicing screen without adding external devices. The font size, color, position, and rolling speed can be customized.
- \* Station logo display: support adding text or picture as the logo of input source without adding external devices. The font, font size, color and background color of the logo can be customized, and the overall size of the logo can be adjusted according to actual conditions.
- \* Local HD base map: support the display of the base map function without adding external devices and additional board cards, custom images or loading local images, and can set the base map function on and off in the software.
- \* Input source renaming: modify the name according to actual needs.
- \* Output channel and screen corresponding settings: when output channel mapping, you can adjust the output channel order at will.
- \* Fine permission management: zonal permission operation, the administrator can set each function of the software interface, the operation permission of each interface signal source or output display screen of the input and output board card, and realize the fine signal source and screen display privilege division.
- \* Multi-user synchronous operation: real-time synchronization of the operation interface.
- \* Windowing pre-editing: support for windowing and pre-layout of scenes. During pre-layout, the screen display is not affected.
- \* Support window lock function during window layout. When the window is locked, the user cannot change the window settings.
- \* Multi-group screen: support multiple sets of splicing screen walls for simultaneous control, the number of multi-group screens is not limited.
- \* Scene save/invoation and polling: support pre-storing scenes, support scene one-key switching, scene polling, without blank fields.
- \* Device status monitoring and alarm: graphically display the current configuration of the device; support device running status, fan speed and temperature monitoring, device production information query, device firmware version online query; support abnormal alarm prompts, easy to timely check and process, can be searched and managed historical alarm information.
- \* Device configuration backup, recovery, and synchronization: support system data backup and recovery. The backup data includes all configuration information such as system configuration, current splicing mode, and splicing scene. Data can be automatically backed up to the system or manually downloaded to the local. When recovering, you only need to upload the data you need to recover.
- \* Online update and upgrade: support the overall upgrade of the system, support the upgrade of each board card such as input, output, functional board card, etc.
- \* Support preview visualization function: signal source visualization, large-screen status visualization, scene preview visualization, etc. Through compressing and coding the input image data of the controller by the preview card and then transmitting to the controller management software through the network, and view the video data output by the controller on the management software, easy to operate and monitor the controller input signal, remove the black edge of the signal source or achieve a magnified display of the key areas of the image. Each board card supports 64 signal sources previewing and supports insertion of multiple preview cards.

### Specification:

<b>Model</b>	TV-8312
<b>Input Slot</b>	Supports DVI, Dual-LINK DVI, HDMI, 4K HDMI, DP, 4K DP, SDI, VGA, IP input board card
<b>Output Slot</b>	Support DVI, HDMI, SDI, VGA, HDBaseT, preview output board
<b>Control Mode</b>	Web page mode (Chrome, 360 Speed, Sogou Speed and other browsers), client-side mode, support third-party control
<b>Image Processing</b>	Support flexible rectangle splicing, custom output resolution, support single-screen image segmentation and superimposition, support flexible image superimposition, roaming, scaling, cropping, support base map function, character superimposition (station logo), scrolling subtitles
<b>Device Stability</b>	Status monitoring and active alarm, comprehensive online upgrade
<b>Working Voltage</b>	AC 100-240V,50-60Hz
<b>Power Consumption</b>	41W
<b>Temperature</b>	0-50°C (working environment), -10~60°C (storage environment)
<b>Humidity</b>	10%~80% (working environment), 10%~90% (storage environment)
<b>Weight</b>	9.8Kg
<b>Dimension</b>	440x325x178mm
<b>Included content</b>	4U cabinet, power supply