



Product specification

HDP903 video processor & Splicer

V1.0 20200226

Overview

This is a high-end 4K x 2K@60Hz splicing processor, 4-channel multi-graphic multi-input splicing processor, it can input four 4Kx2K images at the same time, and any 4Kx2K images can be arbitrarily zoomed by any roaming of images, meet ultra high definition display requirements.

The output supports customized resolution, each single channel support 2.65 million points and 4 channels could support up to 10.6 million points of output. The maximum single splicing is 4608×2304 or 9216×1152 or 4096×2304 or 1920×4800.

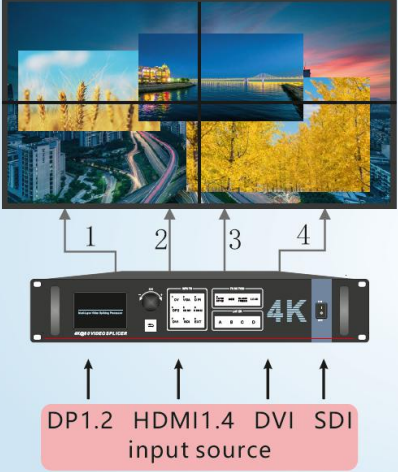
Intelligent splicing support, the uses many of setup wizards for the menu, and the first time users can quickly complete the operation.

The can accommodate a wide range of input sources, up to 2 HDMI-4K, 2 DP-4K, and support for SDI input. 4-channel independent image processing engine with 4 channels of fully configurable inputs for optional selection of 4 inputs to the LED screen.


The splicing processor is more user-friendly and easier to use with powerful features. Simply use the button panel and menu system to complete complex settings. Full setup and operation is possible with the front buttons and RS-232 and USB. The physical interfaces provided are rich enough to meet the needs of common output devices. Provides installation locations for up to 4 LED sending cards, simplifying installation.

Application

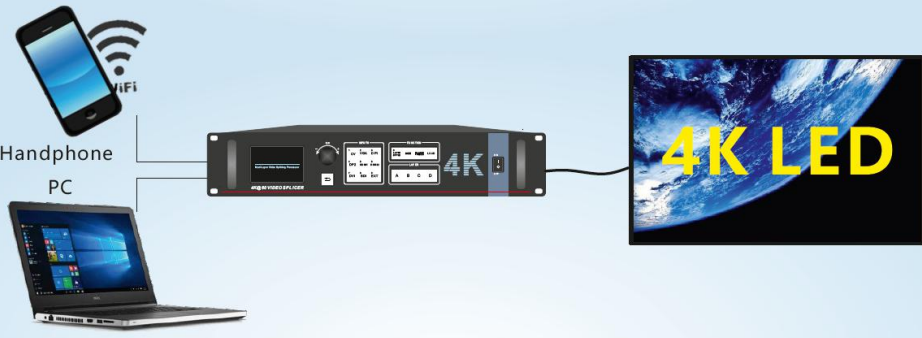
1. 2x2 splicing 4KHD



2. Horizontal 4 splicing 3 images, mirroring




3. Multi-platform manipulation



4. Timer switching

18 : 00	Mode 1
18 : 30	Mode 2
17 : 00	Mode 3

5. Set working period



Set the product to stop running after 30 days

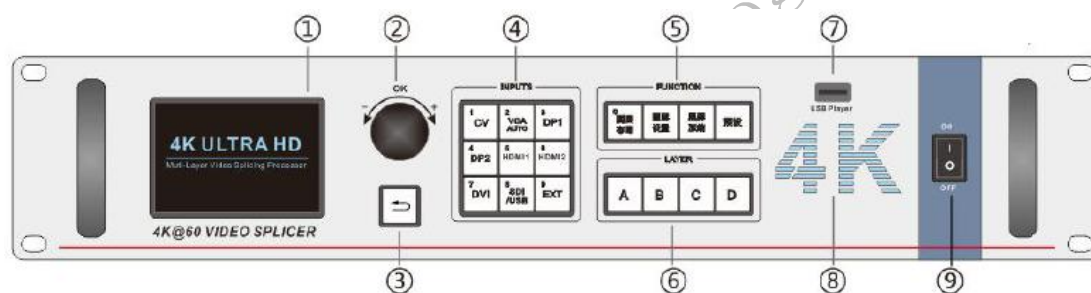
Function

- 1) Support 4K@60Hz input;
- 2) Input four 4Kx2K video at the same time;
- 3) Any 4Kx2K video can be arbitrarily zooming and roaming;
- 4) Custom input EDID;

- 5) Support 3G-SDI;
- 6) Maximum single splicing 15360x640 or 4608x2304 or 960x8640;
- 7) 4 channel 8 DVI output;
- 8) Custom resolution output;
- 9) Audio decoding output;
- 10) Image rotation and mirroring;
- 11) Support WIFI;
- 12) Support time switching and working period;
- 13) Support black screen and picture freeze.

Appearance

Front Panel



① LCD display, Display the menu and parameters of configuration.

② Knob button

- Rotate the knob to select the menu or adjust the parameters
- Press the knob to enter the menu or confirm the operations

③ Return button, Exit from current menu or operation.

④ Input button

Select the input source signal for current layer.

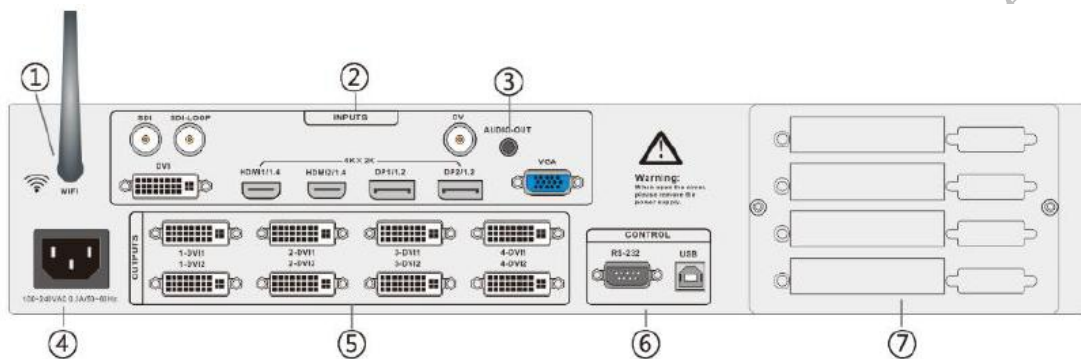
- The indicator light keep flashing if the selected input no signal.
- The indicator light keep bright if the selected input is signaled.

⑤ Function button

- Layer Style, there are 8 styles for selection.
- Layer Setting, set the position, size, rotation of selected layer.
- Black/Freeze, black or freeze function button.
- Load, load the preset.

- ⑥ Layer button ,Layer selection button, the configuration based on layer.
- ⑦ USB interface ,Use for play video from external USB.
- ⑧ 4K logo ,Blue light 4K logo with breathing effect, turn off in the menu.
- ⑨ A/C switcher ,A/C power supply switcher.

Rear Panel



- ① WIFI antenna Use for mobile phone and tablet to remote control the product.
- ② Input interface
HDMI1.4 x2 4K/30Hz;DP1.2 x2 4K/60Hz;DVI x1;VGA x1;SDI x1;SDI-LOOP x1;CV x1;
- ③ Audio output 3.5mm coaxial audio output.
- ④ Power interface 100 ~ 220VAC input.
- ⑤ DVI output DVI x8 four group output.
- ⑥ Control interface RS232, USB remote control.
- ⑦ Sending card slot 4 sending card slot.

Specification

DP Input			
Quantity	2		
Connector	DP		
Standard	DP1.2		
Resolution	VESA, 3840 X 2160@60Hz, customized EDID		
HDMI Input			
Quantity	2		
Connector	HDMI		
Standard	HDMI1.4		
Resolution	VESA, 3840x2160@30Hz, 2560x1600@60Hz, customized EDID		
DVI Input			
Quantity	1		
Connector	DVI-I		
Standard	DVI1.0,HDMI1.3		
Resolution	1920x1200@60Hz, customized EDID		
VGA Input			
Quantity	1		
Connector	VGA-B15		
Standard	R, G, B, Hsync, Vsync: 0 to1Vpp±3dB(0.7V Video+0.3v Sync)		
Resolution	VESA, PC to 1920x1200		
3G-SDI Input (optional)			
Quantity	1		
Connector	BNC		
Standard	SD-SDI, HD-SDI, 3G-SDI		
Resolution	1080p 60/50/30/25/24/25(PsF)/24(PsF) 720p 60/50/25/24 1080i 1035i 625/525 line		
CVBS(CV) Input			
Quantity	1		
Connector	BNC		
Standard	PAL/NTSC 1Vpp±3db (0.7V Video+0.3v Sync) 75 ohm		
Resolution	480i,576i		
DVI Output			
Quantity	4 Channels-DVI x 8		
Connector	DVI-I		
Standard	DVI: DVI1.0		
Resolution	1024×768@60Hz 1536×1536@60Hz 1600×1200@60Hz 1920×1080@60Hz 1920×1280@60Hz	2048×1152@60Hz 2304×1152@60Hz 2560×960@60Hz 3840×640@60Hz	Customized resolution Single output: 2.65 megapixel@60Hz Four channels: 10.6megapixel@60Hz
Parameters			
Weight	6.5kg		
Size(mm)	Product: (L x W x H) 335 x 440 x 88 Package: (L x W x H) 540 x 450 x 190		
Input voltage	AC 100V-240V50/60Hz /100W ; Product Power: 26W		
Model	(standard)/(SDI input)		