VDWALL

A6000 | 4K_60Hz multi-window mosaic processor

Real 4K2K 60Hz refresh rate processing, 4 Layers with 6 images, 8 mosaic, 8K2K output

A6000 Series

4K_60Hz multi-window mosaic processor

Key features

Inputs

- 12 input ports, support mixed SD(Standard Definition)、HD(High Definition)、UHD(Ultra High-Definition) input
- 6 UHD Inputs@ 4K2K_60Hz, maximum resolution up to 4096×2160@60Hz, including
  HDMI2.0 × 4　DP1.2 × 2
- Seamless switching between different inputs, no black, splash, jitters

Multi-window Processing

- 4k -4 windows 6 images display, random zoom in/out and overlay display
- 4K seamless switching and Fade-in / Fade-out switching
- Any in any out(AIAO) 4K image crop
- Accurate image quality adjustment
- Image frame function, clearly identify different layer
- 16 preset display modes, seamless mode switching without black screen or blurred screen

Outputs

- Maximum 8 DVI outputs, synchronized joint split, driving capability up to 8K*2K
- Any size and position of cropped image
- Accurate image quality adjustment realize uniform color of different screen batches
- 16 preset display modes, conveniently save/load
- Adaptive calculation aided splicing, auto calculate mosaic parameters according to the size and position of screen units
- User-defined output resolution, 8 Outputs reach to 17280 pixels in width or 12800 pixels in height. High efficient outputs utilization

Key Applications

- Real 4k display specialized for small pitches LED screen, LCD wall and projector splicing
- Designed for high-end occasions, such as stage performance, exhibition, convention hall, school auditorium, church, advertising, monitor and control center etc

Others

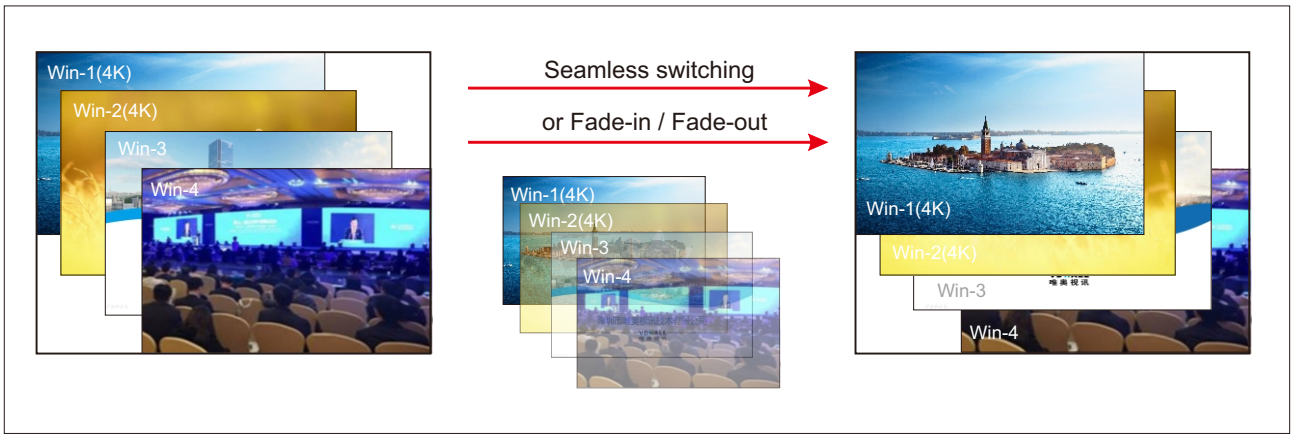
- Power on self test, convenient configuration data export and import
- Plug-in card design, customized input card and output card built in, convenient maintenance
- High stability and reliability, 7/24 operation

4k -4 windows 6 images display, random zoom in/out and overlay display

Description :

- 8 LED screens splicing, can open 4 windows simultaneously, user define size, location of each window: Win-1, Win-2, Win-3, Win-4. Windows arbitrary roaming on 8 screen units
- Win-1, Win-2 real 4K2K@60Hz display
- Win-3, Win-4 support 1080P dual image display via PIP&POP function
- 4 layer order random adjustment, usually background layer at bottom, PPT or live camera layer on the top

4K seamless switching and Fade-in / Fade-out switching



4K seamless switching and Fade-in / Fade-out switching

- Win-1 at bottom as background, 4 windows overlay display

- Win-3/Win-4 under Win-1, dual image display

- Win-1 on the top, single image display

Freely adjust layer order, seamless and fade in/fade out switching

Any in any out(AIAO) 4K image crop

Description :

- Each window can crop input signal vertically with same aspect ratio of the source image, avoid image deformation

Accurate image quality adjustment

Description :

- Adjust brightness, contrast and color with 1,6000,000 grades

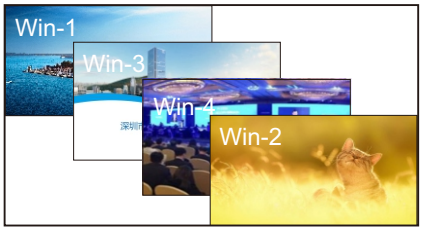
Image frame function, clearly identify different layer

Description :

- Flexible frame configuration, such as on/off, thickness, color, overlay display clearly identified

16 preset display modes, seamless mode switching without black screen or blurred screen

Mode 0 - M0



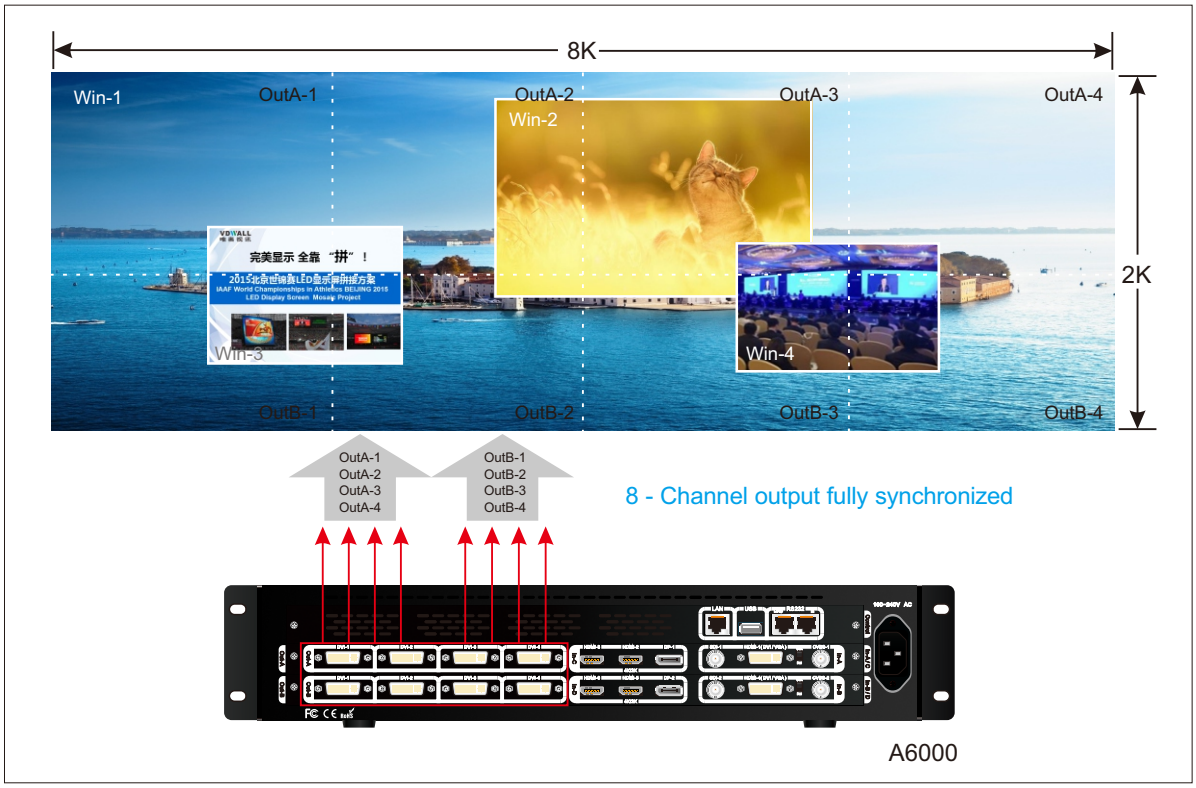
Mode 1 - M1

Mode 2 - M2

Description :

- 16 preset display modes, including size, position, layer order and signal source
- Mode switching without black screen or blurred screen

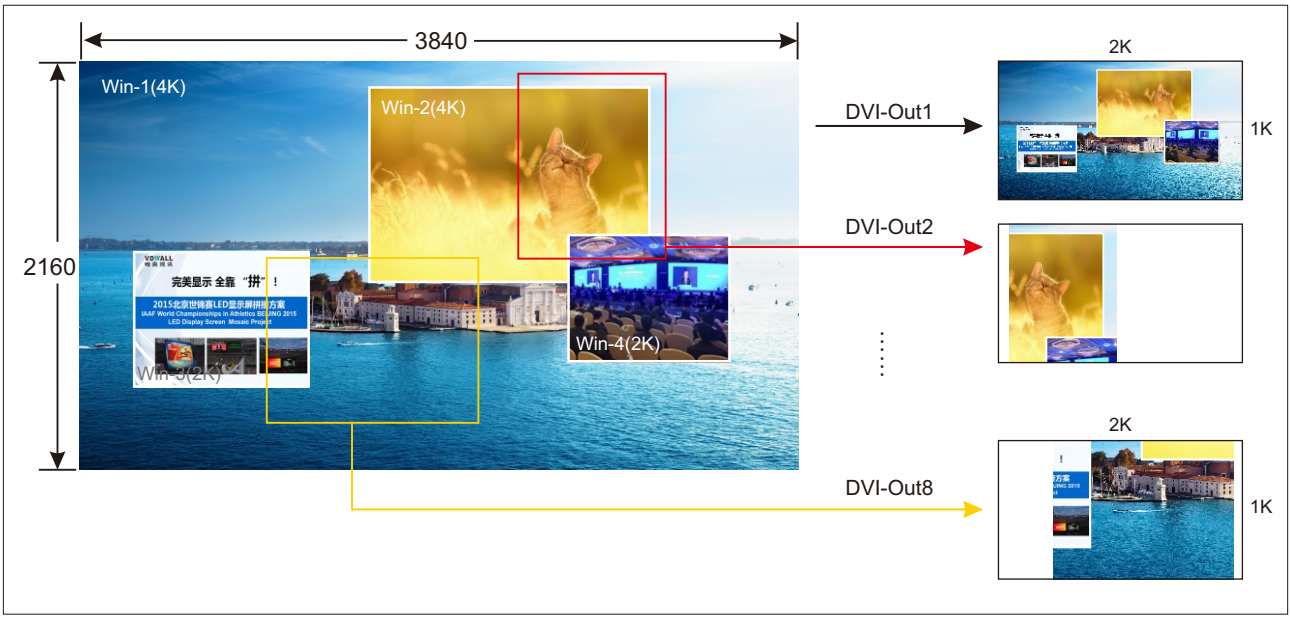
Maximum 8 DVI outputs, synchronized joint split, driving capability up to 8K*2K



Description :

- 8 outputs, 16 million pixels driving capability. Completely synchronized splicing, smoothly high speed motion picture display without jaggies, tearing or misalignment

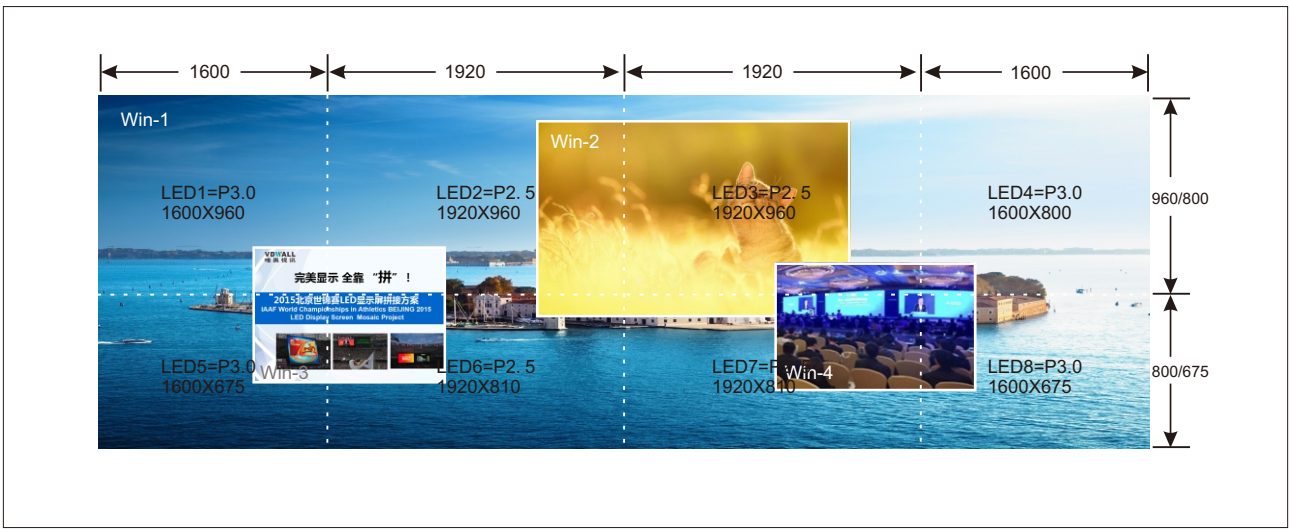
Any size and position of cropped image



Description :

- Any input signal crop, freely adjust size and position of output image

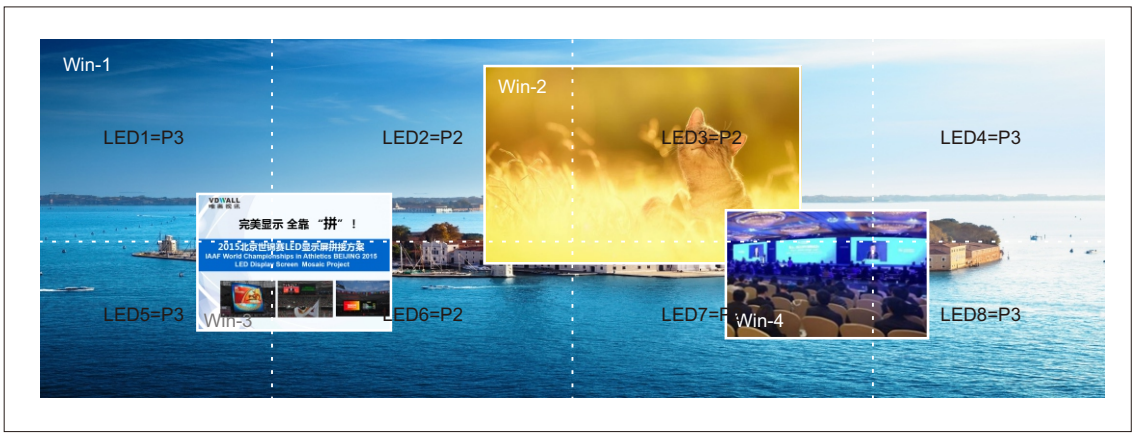
- Joint split of different screen pitches via AIAO, pixel to pixel display



Accurate image quality adjustment realize uniform color of different screen batches

Description :

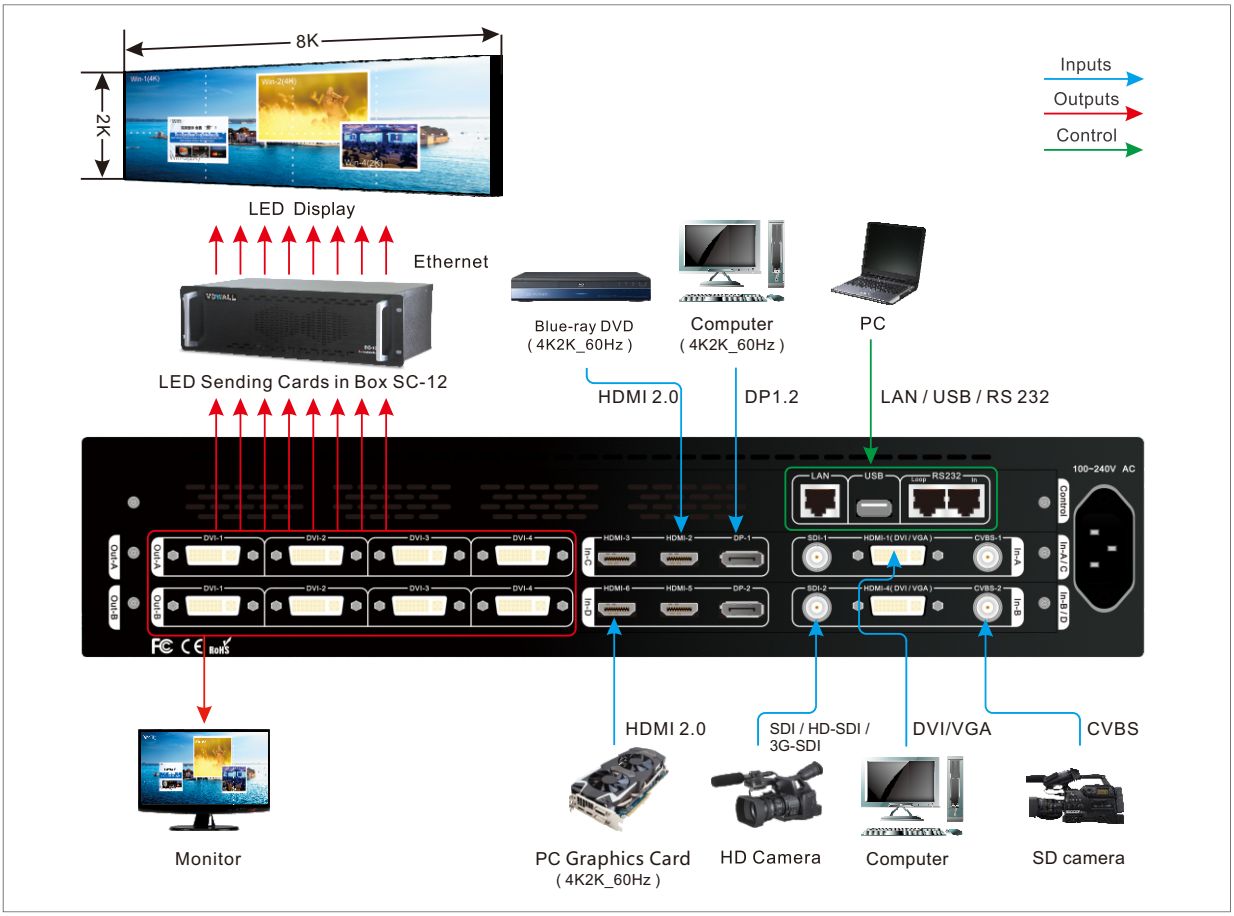
- Different models or batches screen varies from brightness, color etc, unsatisfied nonuniform display



Description :

- After output image optimization, such as brightness compensation,contrast enhancement, color streamline etc, realize uniform color and brightness

Connection Diagram



Key Specifications

Inputs			
Type	Number	Spec	
HDMI 2.0 (HDCP 2.2)	x 4	HDMI2.0(CEA-861)	≤4096x2160_60Hz
		PC (VESA)	
DP (HDCP2.2)	x 2	Display Port 1.2 (VESA)	≤4096x2160_60Hz
CVBS	x 2	PAL / NTSC	
VGA\DVI\HDMI 1.3a	x 2	PC (VESA) /CEA-861	≤1920 x 1200_60Hz
SDI (SDI / HD-SDI / 3G-SDI)	x 2	SMPTE 259M-C	480i_60Hz
		SMPTE 292M	576i_50Hz
		SMPTE 274M / 296M	720p、1080i、1080p
		SMPTE 424M / 425M	

Output			
Type	Number	Spec	
DVI	x 8 (Max)	1200x1600_60Hz	1440x1440_60Hz
		1600x1344_60Hz	1920×1080_60Hz
		2160x960_60Hz	Custom output format

VDWALL

WeChat subscription

Website QR code

Shenzhen VDWALL Co., Ltd.

Tel : +86-755-2675 0210 / 2650 1506

Fax : +86-755-2675 0185

Add : Room 1001, 10th Floor, Tower 4, Fangda-City, Longzhu 4th Road,
Nanshan District, Shenzhen, China