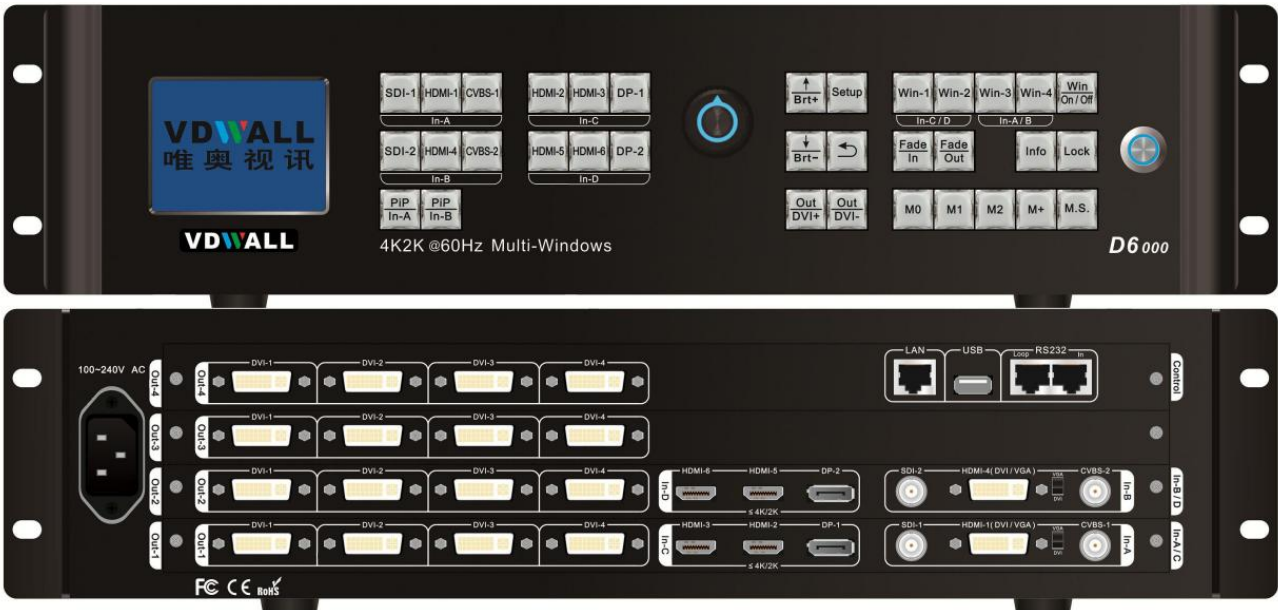


D6000 4K Multi-Window Mosaic Processor

Version	Date	Description	Edit
V1.0	2019.12.4		WXZ
V1.1	2020.1.10	Change 16 display modes to 13	



I Features

- Faroudja® Real Color® true color processing, 10+ Bit Faroudja® DCDI de-interlacing processing, Faroudja® TureLife™ video image augment;
- Versatile input signal:
6 4K2K_60Hz UHD input, including 4*HDMI2.0 (support HDCP2.2) 、 2*DP1.2;
6 HD+SD、 analog+digital input, including 2 HDMI1.3(compatible with DVI、 VGA input)
2*3G-SDI、 2*CVBS;
- Seamless switching and Fade in/Fade out switching between different input signal;
- Support 4K 4 windows 6 images display、 4K arbitrary scaling、 open window、 overlay. 4 windows include 2*4K and 2*2K, freely scale、 overlap、 roam among 8 unit screen. 2 *2K window support PIP or POP function, total 6 image display simultaneously;
- 16 DVI output, driving capability up to 36 million pixels. Support output resolution 1920×1080P@60Hz and 16 DVI outputs synchronized splicing, support 15360×2160 screen driving; Support user defined output resolution, maximum 2160 pixels in height or width, 16 DVI can drive 34560 pixels in horizon or vertical;
- Each DVI output support any in any out cropping, random size and position setup on LED screen, realize perfect mosaic of irregular screen;
- Each DVI output support colour、 gray level、 brightness adjustment in independent RGB channel with 256 level, achieve uniform colour of different screen batches;
- Auto calculation aided splicing, user just set the total screen size and unit screen size&position, the device will automatically calculate and complete the splicing, intuitive and convenient;

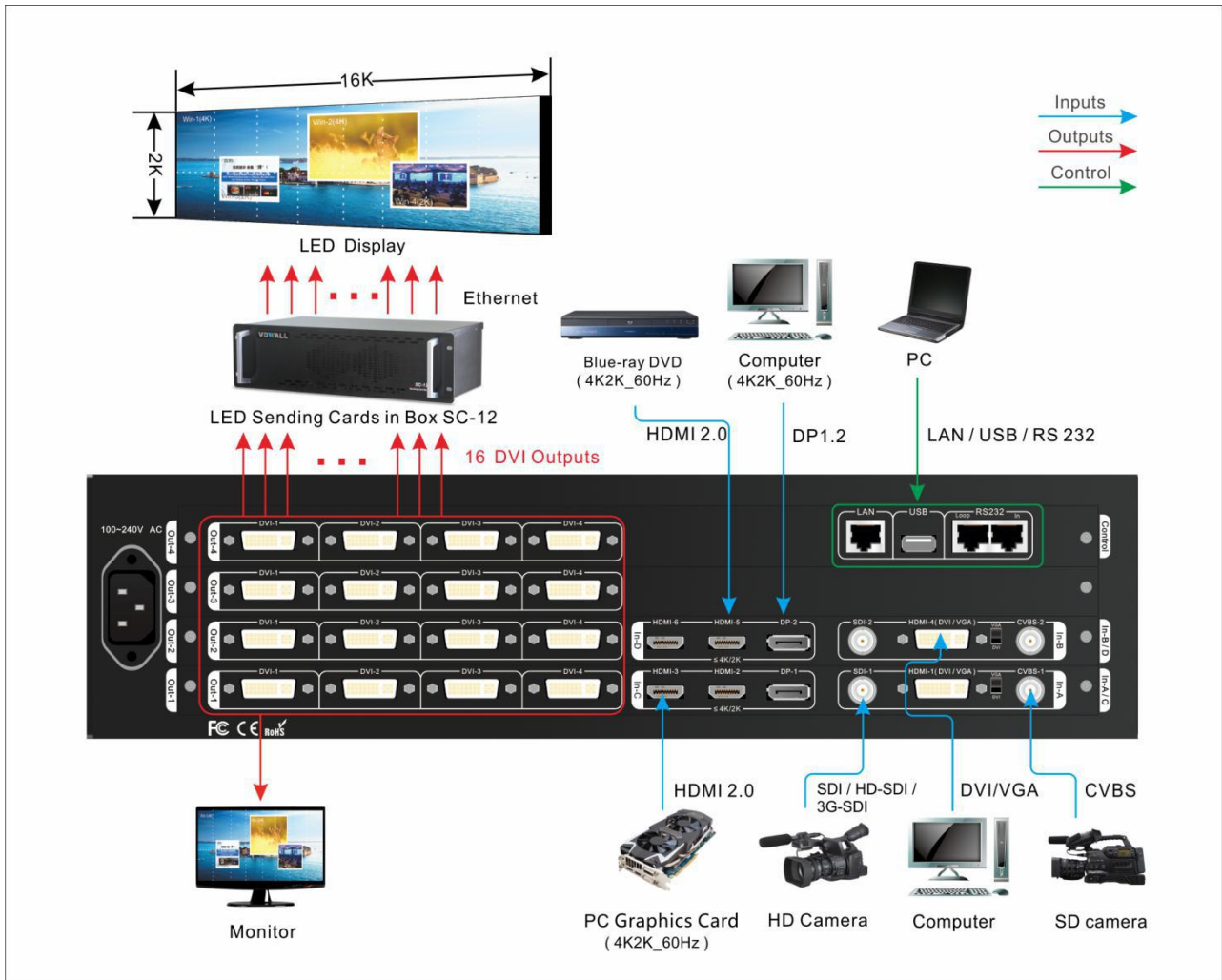
- Multi-Window support vertical cropping, the cropped image remain the same aspect ratio with the source image, avoid image deformation;
- Support 4 windows overlay, layer sequence can be adjusted freely, optional seamless or Fade in/Fade out switching effect;
- 4 windows support image frame function, frame on/off、 thickness、 colour is adjustable;
- 4 windows support input image quality adjustment, including colour、 gray level、 brightness in independent RGB channel with 256 level;
- Support output image hot backup, Any output port can output same image , greatly enhance output stability, 16 outputs can be divided into 8 main and 8 standby;
- Support synchronized monitoring, one 1080P LCD monitor can have a synchronized view of LED screen image;
- 13 preset multi-window display modes, support mode duplication and backup. No black screen or blurred screen during mode switching;
- 13 preset splicing mode of 16 DVI output, mode duplication and mode backup provided;
- Flexible and convenient front panel control, support remote PC control via RS232/USB/LAN
- Designed for small pitches LED screen, widely applied in exhibition、 station advertisement、 stage performance、 restaurant、 lecture hall、 conference room、 school auditorium、 church、 company promotion etc, ;

II Specification

Input Signal		
Quantity / Type	4×HDMI 2.0 (VESA/CEA-861) 2×DP1.2 (VESA) 2×CVBS 2×DVI (VESA/CEA-861) compatible with HDMI1.3a/VGA 2×SDI (SDI/HD-SDI/3G-SDI)	
Composite Video	PAL/NTSC	
Impedance	1V (p_p) / 75Ω	
VGA	PC (VESA)	≤1920×1200_60Hz
VGA Impedance	R、G、B = 0.7 V (p_p) / 75Ω	
DVI Format	PC (VESA)	≤1920×1200_60Hz
HDMIP Format (HDCP2.2)	PC (VESA)	≤4096×2160_60Hz
	HDMI2.0 (CEA-861)	
DP Format (HDCP2.2)	DisplayPort1.2 (VESA)	≤4096×2160_60Hz
SDI Format	SMPTE259M-C SMPTE 292M SMPTE 274M/296M SMPTE 424M/425M	480i_60Hz 576i_50Hz 720p、1080i、1080p
Input Connector	CVBS: BNC/ 75Ω DVI: 24+1 DVI_D HDMI: HDMI type A DP: DP connector SDI: BNC/ 75Ω	
Output Signal		
Type/Quantity	16×DVI	
DVI Format	2160X1160_50Hz、2048X1200_50Hz、1920X1200_50Hz、 1920X1080_50Hz、1680X1440_50Hz、1440X1680_50Hz、 1200X1960_50Hz、1200x1600_60Hz、1440x1440_60Hz、 1600x1344_60Hz、1920×1080_60Hz、2160x960_60Hz、 User defined resolution (Maximum 2160 pixels in width or height)	
DVI Connector	DVI: 24+1 DVI_D	
Others		
Control Port	RS232/USB/LAN	

AC Power Input	100-240VAC 50/60Hz
Power Consumption	110W
Ambient Temperature	0-45°C
Ambient Humidity	15-85%
Product Dimension	482x415.5x109.4mm
Package Dimension	510x552x198.4mm
Net Weight	8.0Kg
Gross Weight	11.4Kg

III Connection Diagram



IV Installation Dimension

