

A6000 4K2K_60Hz Multi-Window UHD Display Video Processor

Version	Date	Description	Draft
V1.0	2019.4.28		WMY.



I Features

- ◆ Faroudja® Real Color® Real Color Image Processing, 10+ Bit Faroudja® DCDI De-interlacing Processing, Faroudja® TureLife™ Augmented Video and Image
- ◆ Using advanced sync-frame splicing technology, high-speed motion pictures are completely synchronized without tearing.
- ◆ High speed processing of 4K2K@60Hz UHD images

- ◆ Pixel to pixel display within 4K2K range; support any overlay and infinite scaling; single unit can drive 16 million pixels, like 8K by 2K, no need complicated software configuration.
- ◆ Input: UHD Resolution and HD Resolution including:

HDMI2.0 (4K2K_60Hz) x 4, DP1.2 (4K2K_60Hz) x 2, CVBS x 2, SDI / HD-SDI x 2, DVI×2

(via DIP switch convert to HDMI 1.3 and VGA inputs) ;
- ◆ One key switch, seamless between different input cards and output cards
- ◆ Outputs: DVI HD outputs, single unit has 8 DVI outputs in total, single DVI can output HD 1080P@60HZ;
- ◆ Any input can be cropped in any size, it can easily mosaic ultra high resolution LED screens; moreover, it can realize asynchronous LED screens mosaic and complicated mosaic.
- ◆ UHD and HD resolution input signals can open 4 windows at the same time(no less than 2 channels UHD signals at the same time), windows can roam freely, it can display 6 channel signals of different pictures at the same time max.
- ◆ HD input cards In A and In B, each can open PIP, and the main and sub image can st up any size and position.
- ◆ Any layer and any output can adjust the brightness, contrast and colour within 0-255; this function is to improve the colour difference caused by LED screens of different batches.
- ◆ Sync monitoring, can use a 1080P monitor to preview the display of 4K2K@60HZ input signals.
- ◆ 4K2K@60Hz windows on 1080p display
- ◆ One key switch any of the preset modes, seamless switch zero delay.
- ◆ Powerful and convenient M.S duplicate function, can copy the parameters of existing display mode and save as new display mode, convenient for some complicated case; 3 fixed preset mode can do fast copy and apply.
- ◆ Special DIP switch design make the HD DVI input interface can compatible and convert to HDMI and VGA, consequently it can save space and enhance the receiving ability of the interface.
- ◆ Luminous power button and tuning knob indicate the real-time working status of the device.
- ◆ Special 'Lock' button can lock all buttons of the front panel, it can avoid miss operation.
- ◆ Input and output interfaces adopt enhanced plug in and out design, durable, reliable and flexible for user to do customization, meanwhile convenient for cleaning and repairing.
- ◆ It is easy and convenient to set up via the front panel or RS232/USB/LAN interface.

II Specification

Features of Input Signals		
Quantity/Type	2×CVBS 2×DP1.2 (VESA/CEA-861) 2×DVI (VESA/CEA-861) compatible with HDMI1.3/VGA 4×HDMI 2.0 (VESA/CEA-861) 2×SDI (SDI/HD-SDI/3G-SDI)	
Composite Video Input SYS	PAL/NTSC	
Composite Video Amplitude Impedance	1V (p_p) / 75Ω	
VGA Format	PC (VESA)	≤1920×1200_60Hz
VGA Amplitude the impedance	R、G、B = 0.7 V (p_p) / 75Ω	
DVI Format	PC (VESA)	≤1920×1200_60Hz
HDMI Format	PC (VESA)	≤3840×2160_60Hz
	HDMI2.0 (CEA-861)	
SDI Format	SMPTE259M-C SMPTE 292M SMPTE 274M/296M SMPTE 424M/425M	480i_60Hz 576i_50Hz 720p、1080i、1080p
Input Interface	CVBS: BNC/ 75Ω DVI: 24+1 DVI_D HDMI: Type A-HDMI format SDI: BNC/ 75Ω	
Specification of Outputs		
Quantity / Type	8×DVI	
DVI Format	1920×1080_60Hz	
Output Interface	DVI: 24+1 DVI_D	
Others		
Control Ports	RS232/USB/LAN	
Voltage of Input	100-240VAC 50/60Hz	

III Connection Diagram

