

# A63 4K Multi-Win Mosaic Processor

Version	Date	Description	Edit
V1.0	2019.12.12		WXZ
V1.1	2020.1.10	Change 12 display modes to 9	



## Features

- Faroudja® Real Color® true color image processing, 10+ Bit Faroudja® DCDI de-interlacing, Faroudja® TrueLife™ image augment;
- 2 HDMI 2.0 outputs support 3840\*2160\_60Hz resolution and infinite scaling;
- Total 14 video input ports, support mixed SD(Standard Definition)、HD(High Definition)、UHD (Ultra High Definition) input, includes  
8 4K2K\_60Hz input ports among which 5 HDMI 2.0 support HDCP 2.2、 3 DP 1.2 inputs、 6 HD+SD input (2 DVI input compatible with VGA input、 2 3G-SDI、 2 CVBS) ;
- Support input signal seamless、 Fade in/Fade out switching;
- Support maximum 4 windows 6 image display, each window support any scaling、 open window、 overlay display. 4 windows consist of 2 4K window and 2 2K window, 2K window supports PIP/POP function;
- Each window provides 4K input signal random cropping and scaling;
- 4 Windows support any size and position display on LED screen, overlapped window support seamless and Fade in/Fade out switching;
- Redundant display or synchronized monitoring available with 2 HDMI 2.0 output;
- In switching mode, 2 HDMI 2.0 output can function as 1 main output(PG)、 1 Preview output. Signal transition between PG and PV support seamless or Fade in/Fade out switching
- In switching mode, provide 3 windows display and 3 windows preview, arbitrary setup of window size 、 position and overlay order. Support 3 Windows switching simultaneously with seamless or Fade switching;
- In mosaic mode, 2 HDMI 2.0 can jointly display 1 8K\*2K image, single A63 can drive 2 4K

controller, realize 8K\*2K pixel to pixel display;

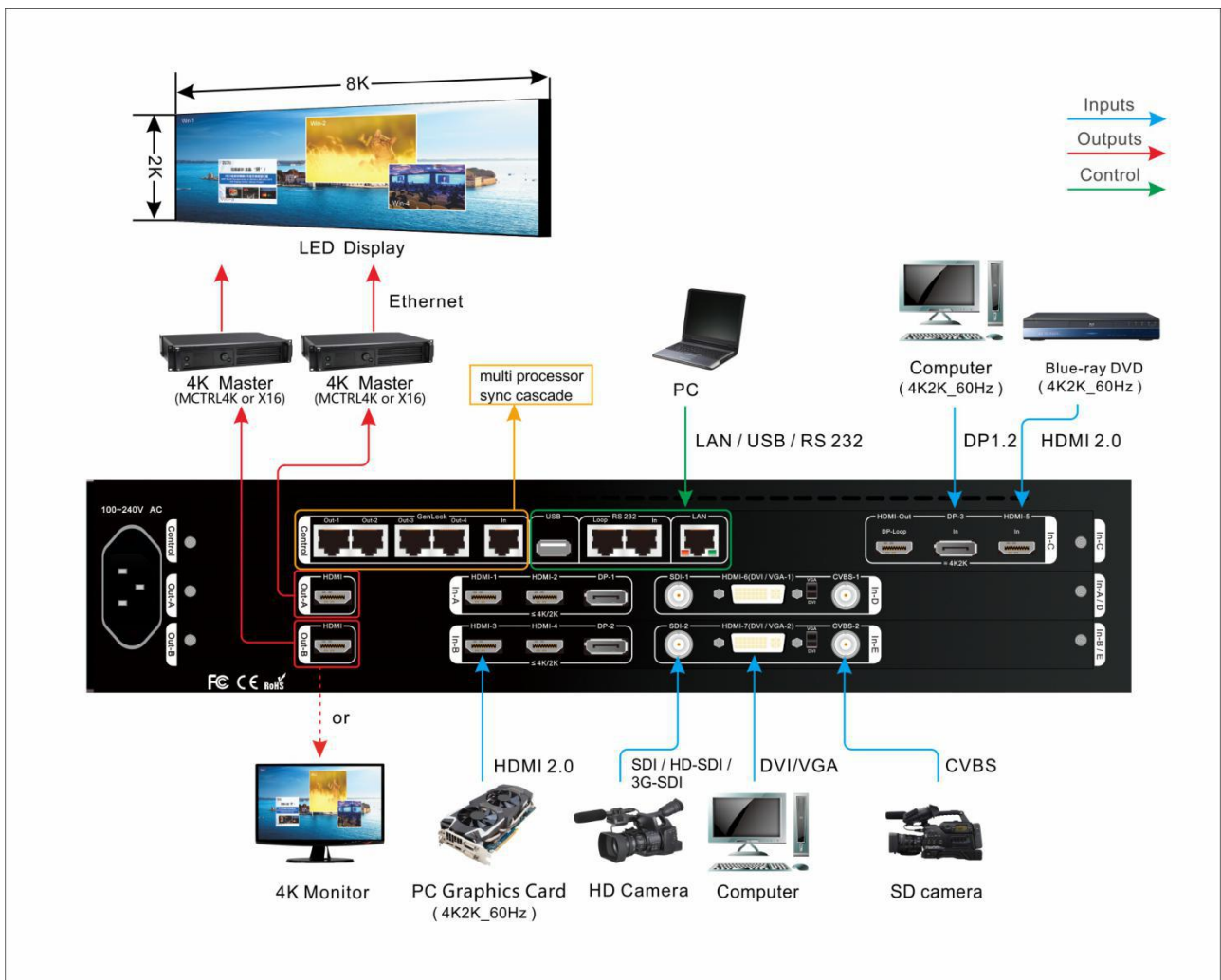
- Any size and position cropping of 4K image, convenient and flexible irregular screen mosaic, no need complicated mosaic setup;
- In mosaic mode, each HDMI 2.0 output support dual image display, 2 outputs total 4 independent images;
- Multiple units Cascade by Genlock sync. to realize higher definition synchronized splicing for bigger LED wall. 4 units Cascade extend input to 8K4K@60Hz and output to 16K4K@60Hz;
- 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;
- 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, Out A and out B can output same image, greatly enhance output stability;
- 9 preset multi-window display modes, support mode duplication and backup. No black screen or blurred screen during mode switching;
- 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	5×HDMI 2.0 (VESA/CEA-861) compatible withHDCP2.2 3×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
HDMI2.0 Format (HDCP2.2)	PC (VESA)	≤4096×2160_60Hz
	HDMI2.0 (CEA-861)	
DP Format (HDCP2.2)	DisplayPort1.2 (VESA)	≤4096×2160_60Hz
	DisplayPort1.4	≤7680×2160_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	2×HDMI2.0	
HDMI2.0 Format	3840X2160_60H	
HDMI Connector	HDMI: HDMI type A	
Others		
Control Port	RS232/USB/LAN	
AC Power Input	100-240V AC 50/60Hz	
Power Consumption	75W	
Ambient Temperature	0-45°C	
Ambient Humidity	15-85%	

Product Dimension	482x465.5x89mm
Package Dimension	560x552x178mm
Net Weight	6.9Kg
Gross Weight	9.9Kg
Standard Accessory	

### III Connection Diagram



## IV Installation Dimension

