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Video Wall Controller Powerful Video And Image Processing Device

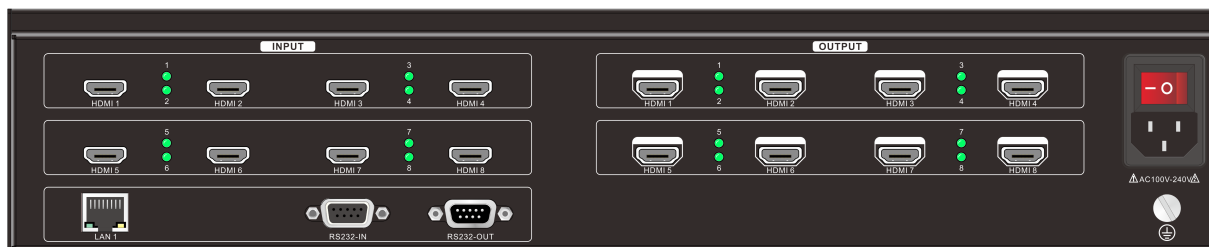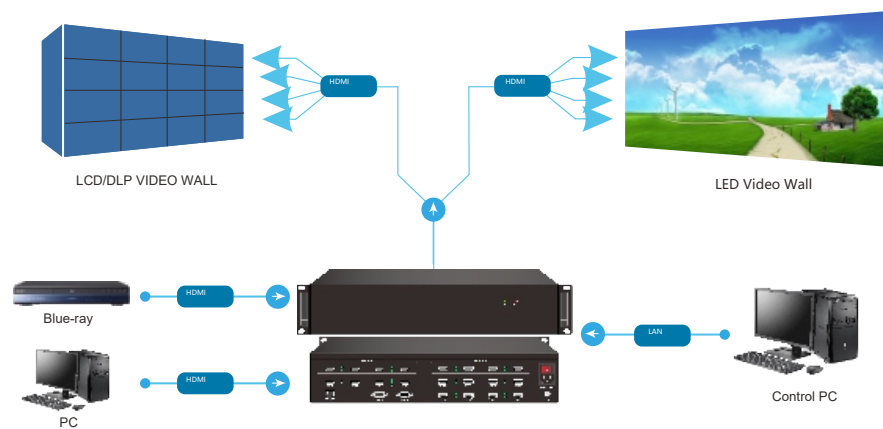## VKE

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VKE

VKE video wall controller is professional video image processing product which is based on the development of multi-windows no frame tearing LED and LCD display control technology. Adopt RS232+LAN control method, and configure HDMI input/output interface, support up to 128 scene save and recall,to meet a variety of professional system application requirements.

FEATURES

- Full hardware FPGA architecture, no embedded operating system, high speed core computing mechanism, excellent image processing performance;
- Support LCD, LED splicing screen display;
- Support seamless switching, no black screen, stuck screen, jitter, tearing and other phenomena during the switching;
- Input supports maximum resolution of 1920x1200@60hz;
- Support resolution customization output, the maximum resolution is 1920x1200@60hz, and support up to 2560 pixels width, up to 1920 pixels height for LED;
- Control mode: RS232 serial port and LAN network port;
- Serial port commands can realize scene calling, scene saving, scene polling, signal switching, query and setting IP;
- Support input signal source OSD function, it's able to set character font, size, color,transparency, position;
- Support real-time detection of all input and output signals, to observe and detect the access status;
- Supports arbitrary windowing, overlaying, roaming, splitting, zooming, stretching and cropping on the screen;
- Support picture-in-picture, overlay, multi-screen display, large-screen splicing functions;
- Support up to 2 windows on single screen;
- Support scene management, such as scene save, scene call, scene preview, scene polling;
- Support splicing configuration import and export;
- Supports cropping and display of any position of the signal source, the same signal can be cropped four times;
- Support preset windowing mode, flexible call;
- Support online upgrade of the whole machine.

DIAGRAM

PRODUCT STRUCTURE

Front panel

VKE0808

VKE0408

VKE0404

VKE0412

VKE0812

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➤ SPECIFICATIONS

Product Hardware Information	System Structure	Pure Hardware FPGA Architecture
	Start Up	<8s
	Operating System	No CPU And Operating System
	Board Type	Pure Hardware Pluggable,Hot-Swappable Structure
Input/Output Signal	Input Type	HDMI
	Output Type	HDMI
Image Processing	Display Mode	Roaming, Overlay, Zoom In/Out, Multi-Windowing, Scene Switch, PIP, Full Screen And Combination Screen
	Scene/Signal Switching Time	Millisecond-level switching
	Max Input Resolution	1920*1200@60Hz
	Max Output Resolution	1920*1200@60Hz
	Single-Screen Window	2 windows on one screen
	Maximum Scenes	128
	Control Method	RS232/Network And Compatible With Third Party Control System
Stability	Safety	Hardware Structure, No Virus Interference
	Continuity	365 days, 7x24 Hours Operation
Working Environment	Operating Temperature	0~50℃
	Storage Temperature	-15~60℃
	Operating Humidity	10 to 90% Without Condensation
	Storage Humidity	5~95% Without Condensation

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