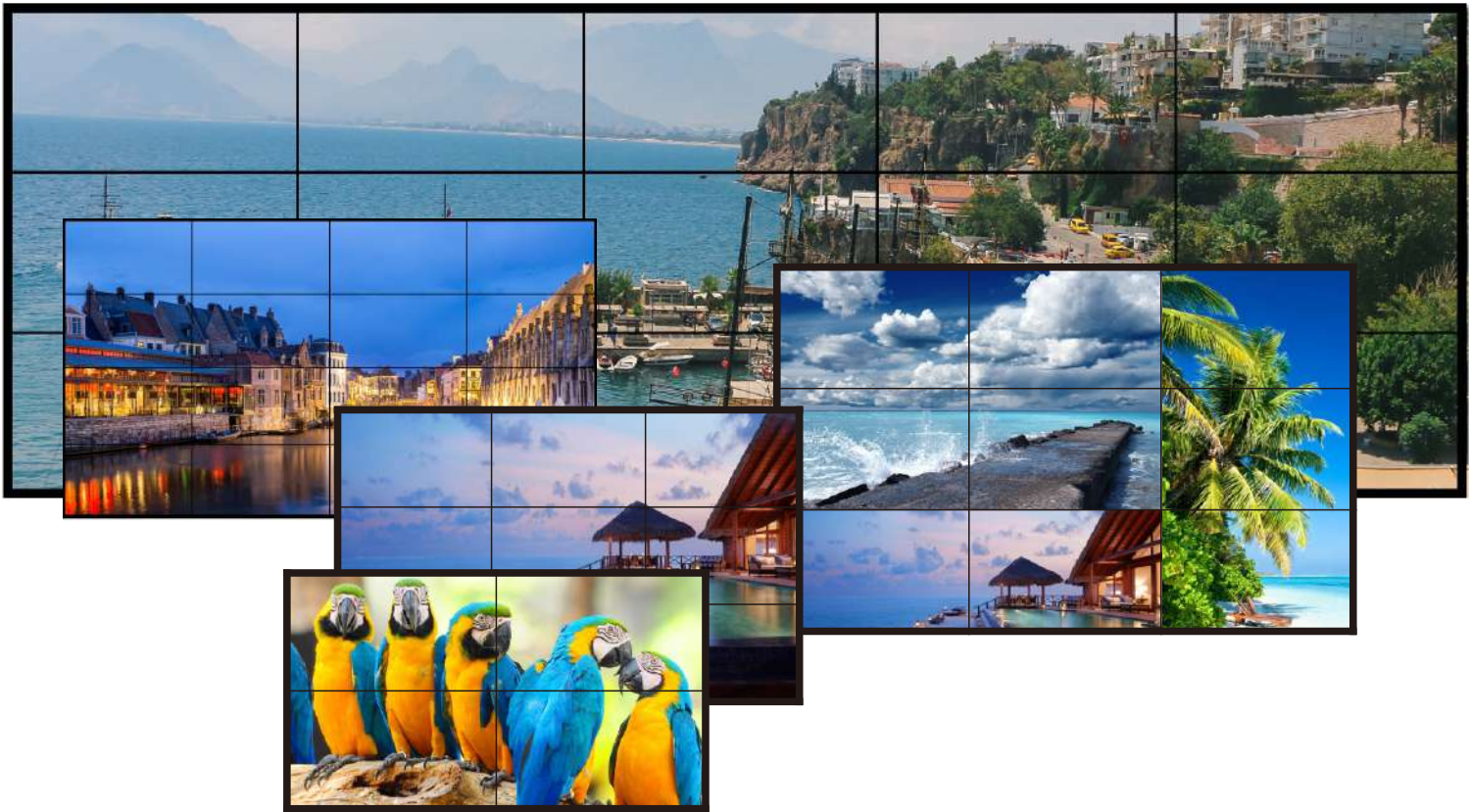


VKE

Video Wall Controller

Powerful Video and Image Processing Device





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.



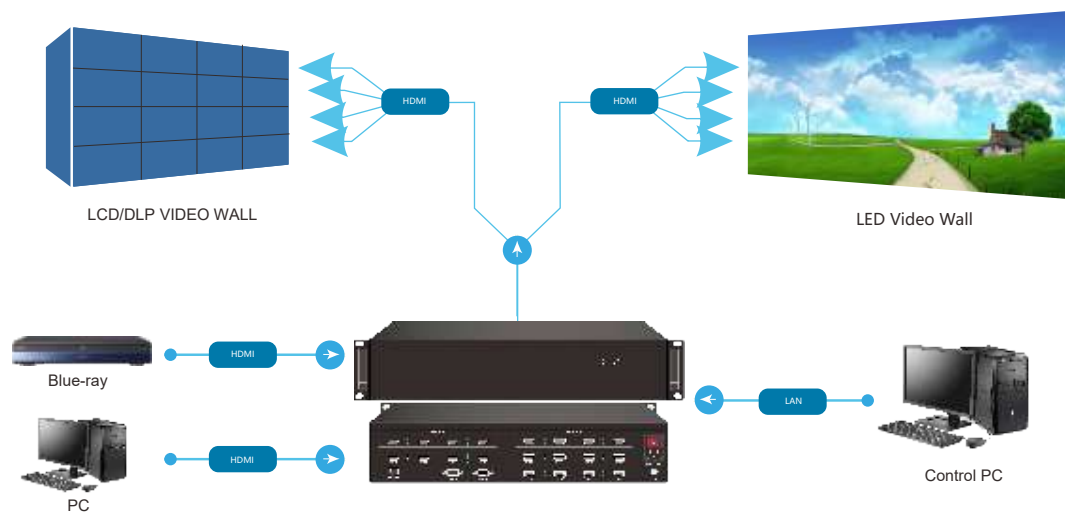
VKE

Video Wall Controller

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



VKE0404



VKE0408



VKE0412



VKE0808



VKE0812

SPECIFICATIONS

Product Hardware Information	System structure	Pure hardware FPGA architecture
	Start up	<8s
	Operating system	No CPU and operating system
Input/Output Signal	Board type	Pure hardware pluggable,hot-swappable structure
	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

iSEMC

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