iSEMC

BE Series
Video Wall Controller
Powerful Video and Image Processing Device

BE Series Video Wall Controller

BE series video wall controller is new generation professional image processing product which is based on the development of multi-windows, ultra-high definition and visual display control technology. Compare to other matrix switcher in the market, BE series has upgraded its system capacity and use 6.25G base exchange processing chip, so that there is a significant advantage on the processing speed and professional display control. Meanwhile, BE series series video wall controller supports multiple services and long term reliability. It is an all-in-one product which has monitoring control, Scene preset, Log management, User management and other advanced applications to meet a variety of professional system application requirements.


◣ FEATURES

- Pure-hardware FPGA Array, modular design, 6.25G/s base exchange processing speed;
- Support HDMI sources self-adaption on single input card;
- Support HDCP2.0 for HDMI input and output;
- Support opening 4 windows on single display;
- Support scene management, up to 64 scenes;
- Integrated with hybird matrix function, output windows switching, friendly to system integrator;
- Support RS232, Network control and compatible with third party control system;
- Support roaming, PIP, overlay, zoom in/out, multi-window switching, signal clip and a variety of display modes such as split screen, full screen and combination screen;
- Mobile visual management applications, support iPad, Surface;
- Support EDID, customize the output resolution according to the physical resolution of the display system;
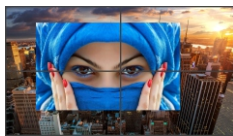
BE Series

Video Wall Controller

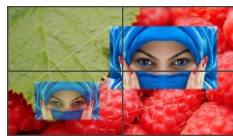Mini size suitable for small display video wall system

335mm

90mm

280mm
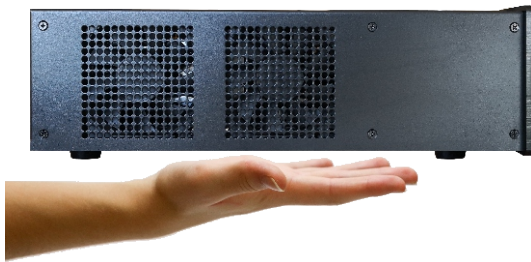
Support HDMI
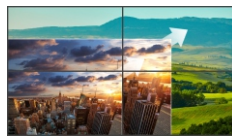4 inputs 8 outputs / 8 inputs 4 outputs

Support IPAD control, flexible display modes such as picture in picture, zoom in/out, roaming, overlay, cross screen, etc.
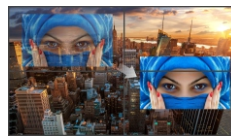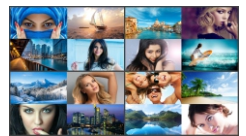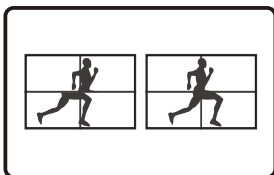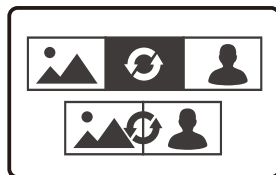
| PIP | Roaming | Zoom In/out | Cross Screen | 4 Windows/Per Screen |

00:05
916
00:05
991

| Frame Synchronization | Seamless Switching | Output Synchronization | EDID Editing |
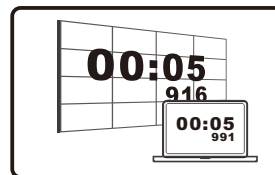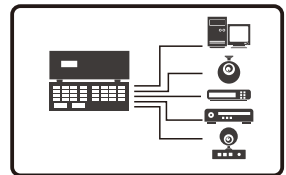
PRODUCT STRUCTURE

Power Switch
Power
Ground

Network Control
Serial Control
Internal Debuging

HDMI Input Card
HDMI Output Card
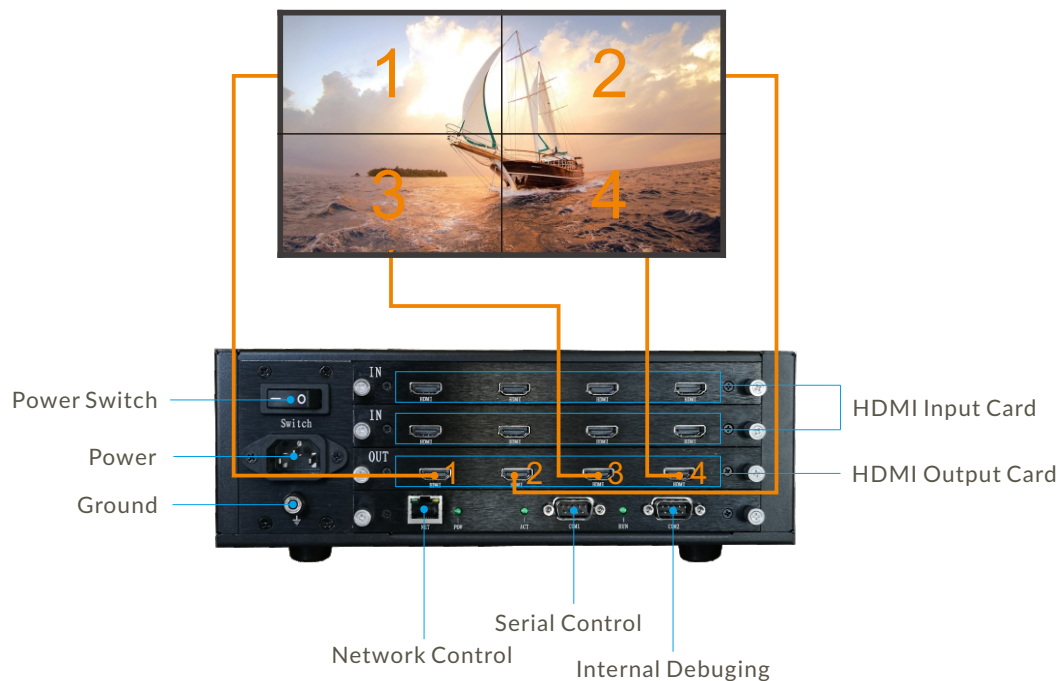
SPECIFICATIONS

Product hardware information	System structure	Pure hardware FPGA architecture
	Start up	<15s
	Operating system	No CPU and operating system
Input/Output Signal	Signal type	HDMI 1.3
	Channel	4 in 4 out, 4 in 8 out, 8 in 4 out
Image processing	Display mode	Roaming, overlay, zoom in/out, multi-windowing, scene switch, PIP, full screen and combination screen
	Input resolution	1080p
	Scene/Signal switching time	Millisecond-level switching
	Number of signal copy	Up to 8
	Single-screen window	4 windows on each two screens
	Signal preview	Optional
Control function	Control structure	Software /Hardware
	Control method	RS232/Network/Keypad and compatible with third party control system
	Management mode	C/S, Mobile
Stability	Safety	Hardware structure, no virus interference
	MTBF	50000h
	Continuity	365 days, 7x24 hours operation
Working environment	Operating temperature	−15~60℃
	Storage temperature	−30~75℃
	Operating humidity	10 to 90% without condensation
	Storage humidity	5~95% without condensation

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