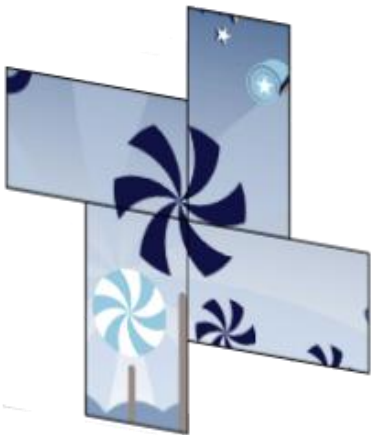# SMARTKAKE™

Creative Multi Display Processor

Smartkake is a brand new creative multi display processor introduced by Tricolor which focused on retail and exhibition display market. One single SmartKake supports one 4K signal capturing and 4 Full-HD outputs.

With pure hardware FPGA architecture Smartkake™ performs processor excellent image processing ability. Abandoning operation system preventing Smartkake™ from crashes, collisions, blue screen, and viruses which commonly suffered by software architecture. It is highly stable to ensure uninterrupted operation of 7x24, and meet the increasingly strict demand of market.
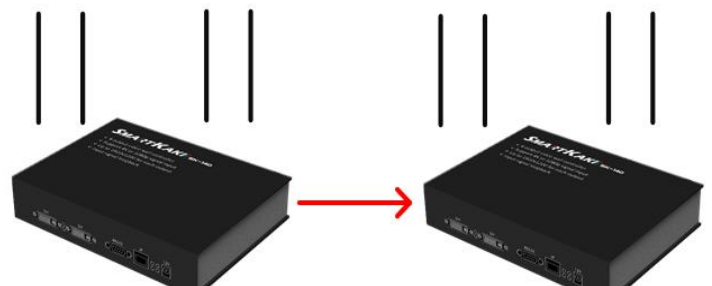
Flexible Layout

Each output of Smartkake™ can be mirrored or rotated on 90°, 180°, 270°, which breaks the tradition M*N video wall layout. With Smartkake™, you can design you multi display system in a more creative way with a mix of landscape and portrait monitors. The user friendly management software Smartkake™ will assist you create the layout with only a few easy steps.

Cascading

Multiple Smartkake™ can be using together as a cascading system, which Supports video walls more than 4 monitors and allows the input resolution reaches much higher than a single 4K signal. Meanwhile, cascading provides frame locking between devices which ensures the perfect synchronization of video wall performance.

Specifications

Video input	DVI	Signal Format	Dual-link DVI
		Connector	24+5 Pin/DVI-I/Female (Digital Only)
		Resolution	2560*1600@60Hz, 3840*2160@30Hz
	HDMI	Signal Format	HDMI 1.4
		Connector	HDMI TYPE A
		Resolution	2560*1600@60Hz, 3840*2160@30Hz
	DisplayPort	Signal Format	DisplayPort 1.1
		Connector	24+5 Pin/DVI-I/Female (Digital Only)
		Resolution	2560*1600@60Hz, 3840*2160@30Hz
Video Output	DVI	Signal Format	DVI-I
		Connector	24+5 Pin/DVI-I/Female
		Maximum Data Rate	4.95Gbit/s
Image Processing	Image Rotating		90°, 180°, 270, Mirroring
	Bezel Compensation		Yes
	Overlap Creation		Yes
Control	Serial Port		RS232 (Baud Rate:9600, Data Bit: 8, Stop Bit: 0, Check Bit 1)
	Ethernet		TCP/IP
Environment	Temperature		0°C-40°C
	Humidity		10%-90%
Physical Dimension			225(W) * 45(H) * 200 (D) mm
Power Supply			12V, 3.3A
Mount Rack			1U Mount Rack Accessories Available
MTBF			50000h

For more detail, please visit

www.chinargb.com.cn

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