

SB-3403

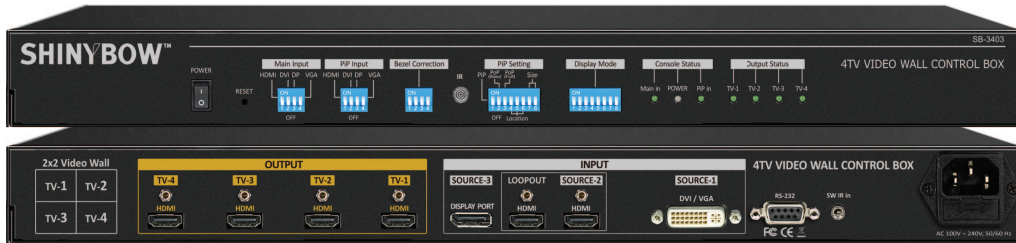
4TV VIDEO WALL CONTROL BOX



Input : 1x Display Port, 1x HDMI + 1 Loopout, 1x DVI
Output : 4x HDMI

PRO Video Wall

01



Ear Rack : 1U-440L

INTRODUCTION

SB-3403 is taking irregular creative video wall to a new level. Combining with pre-defined playback modes, unlimited cascade and friendly OSD operation, it can create all kinds of playback modes for regular, portrait and irregular video wall with different size, resolution and bezel LCD at any angle and position without PC or software. Conventional TV and monitor can be served as display devices. Users will benefit with great effectiveness, flexibility and ease-of-use. SB-3403 is pure hardware standalone system. It can connect with various video sources and provide a simple and reliable solution for professional creative video wall.

FEATURES

01. 3 input ports to support HDMI, DVI, Display Port, VGA and YPbPr signals
02. Equipped with 4x HDMI outputs in one unit
03. Multiple units cascade to build large-scale high resolution video wall
04. User can create all kinds of playback modes for regular, portrait and irregular video wall with different size, resolution and bezel LCDs at any angle and position through OSD within minutes
05. Up to 5 self-made display modes can be saved and looping playback in video wall
06. 30 pre-defined playback modes selected by Dip SW
07. Connect directly with various video sources up to 4K/2K
08. 4K/2K HDMI loop out port for daisy chain connection
09. Auto image shift to prevent LCD from burn-in mark
10. PIP (picture in picture) and POP (side by side) multi-content function
11. Dynamic aspect ratio change to support different input sources and maintain aspect ratio without distortion
12. Power on/off control via auto signal detection
13. No video splitter, PC or software is required. More reliable

SPECIFICATIONS

General description	Quad LCD video wall controller with preset display modes and custom modes created by user
Main functions	Video processor : 10-bits
	LCD controlled by one processor : 4
	Max. display contents in 4 LCDs : 2
	Modular cascade for large display
	Video wall with portrait LCD without rotating input source
Input & Output	Video wall with PIP/POP
	Share 4k/2k input in multiple units cascaded
	Preset modes selected by dip SW
	Looping playback and dynamic position shift for LCD life protection
	Video Input Ports : 1x Display Port, 1x HDMI, 1x DVI-I (DVI-D, VGA, HDMI)
	Video Output : 4x HDMI
	4k/2k HDMI loop out port for daisy chain
	Audio Output : HDMI audio
	Support YPbPr video via VGA input port
	Support DVI-D, VGA & HDMI by DVI-I input port
Image rotation	4k/2k @30Hz, 1080p @120Hz, 2560x1600 / 3840x1080 @60Hz input with 4:4:4 sampling
	Frame Lock for system synchronization
	Selective EDID for optimized video quality
	HDCP compliant
Video wall	Image 90°/270° flip and rotation for portrait display (All LCD at the same time)
	Image 180° flip and rotation for LCD at top/down installation (All LCD at the same time)
	Max. source resolution shared to 4 LCDs : FHD
	Maximum 4 LCD as one display unit
	4K/2k input source can be split and assigned to multiple units to build one true 4K/2k video wall
PIP (Picture in Picture) and POP (side by side)	Each display unit location can be adjusted up to +_900 pixels in all directions for image mapping
	Custom display modes created by user with LCD at any position and angle
	Looping playback for custom modes
	Image shift for LCD burn-in mark protection
	PIP up to 1024x768 at selectable location with selectable aspect ratio and input source
Video processing	POP to show two image in one video wall with full screen or keep original aspect ratio in landscape & portrait directions
	High end 3D motion adaptive de-interlace in PIP/POP windows
	10 bits 4:4:4 full bandwidth sampling with 3D de-interlace, smooth edge algorithm and 3:2/2:2 film mode processing
System control for easy use	High quality video and graphics scaling up and scaling down
	Color adjustment for one display unit (Hue, saturation, sharpness, contrast, brightness, preset modes, discrete RGB)
	Full function IR Remote controller
	Cabled IR Receiver Extender (up to 20 meters)
	Ethernet control and operation via LAN or WiFi (NB, iPad, Smart phone), need to add external Ethernet to UART module
Rack Mount Bracket	ASCII control protocol over RS-232
Dimension (WxDxH)	Auto Shut off output signal when input is missing
	GAlign PC tool
	19 inch 1U High Rack Mount Bracket (1U-440L)
Weight	17.4" x 6.38" x 1.73" (442mm x 162mm x 44mm)
Power Supply	1.8 kg / 3.98 lb
	AC 100~240V 50/60Hz