

VWBOX-114/122A/133A

Video Wall Controller with High-Resolution Input Support

The high-resolution video controllers enable the maximum image quality by mapping the input video pixels directly to the pixels on the connected output channels. Directly splitting of the input signal results in a much higher quality image compared to resized or adjusted signal.



VWBOX-133A

- 1 input with 9 outputs (3x3)
- Support (3x3) & (3x2) & (2x3) output selection
- Up to 3840 x 3072(5:4) & 4080 x 2304 (16:9) high-resolution input

Features:

- Easy-to-install, flexible combination, cost effective solution
- High-resolution display content input and output
- Non-scaling, pixel-to-pixel mapping advantage
- Single input (Dual-Link DVI) and 4/9 outputs (Single-Link DVI)
- Support various display modes
- IEI unique GeniMask™ bezel masking technology



VWBOX-114

- 1 input with 4 outputs (4x1)
- Support (4x1) & (3x1) output selection
- Up to 4096 x 768 high-resolution input



VWBOX-122A

- 1 Input with 4 Output (2x2)
- Up to 3840 x 2400 high-resolution input

1
Automation

2
Point of Service

3
Digital Signage

4
RISC-based Solutions

5
Medical Solutions

Low Cost Large Screen Displays

IEI's pixel-to-pixel mapping function enables the original high-resolution image displays in super large screens without any resolution loss, ensuring the most delicate display images. IEI's video wall controller allows users to flexibly choose various screen sizes for the display solution to leverage the high-resolution advantage and significantly reducing total cost of ownership for large screen display applications.



Multiple smaller and lower-cost monitors are used to create a single, large display

IEI Unique GeniMASK™ Bezel Masking Technology



GeniMASK™ sets the bezel mask to compensate for the gaps between monitors in the video wall array. Masking technology gives a contiguous final image, without the gaps unnaturally breaking the image up. These settings are easily adjusted using the included remote control.

Comparison



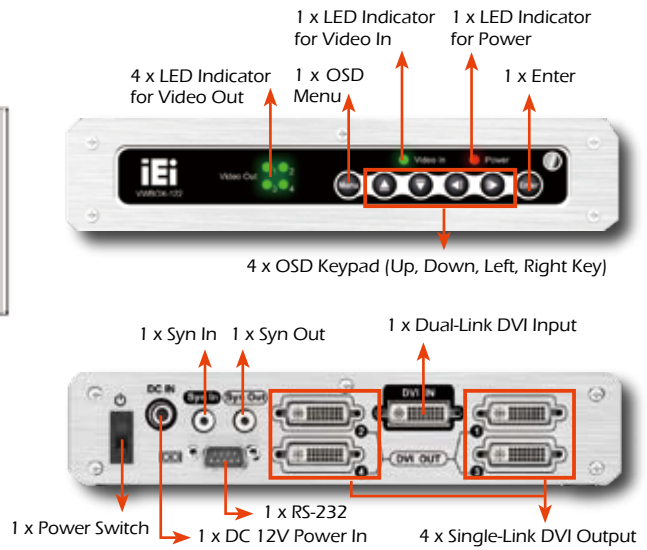
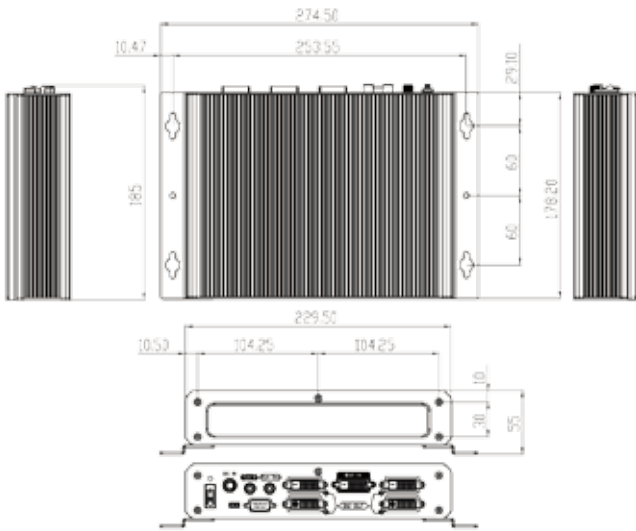
With IEI GeniMASK™



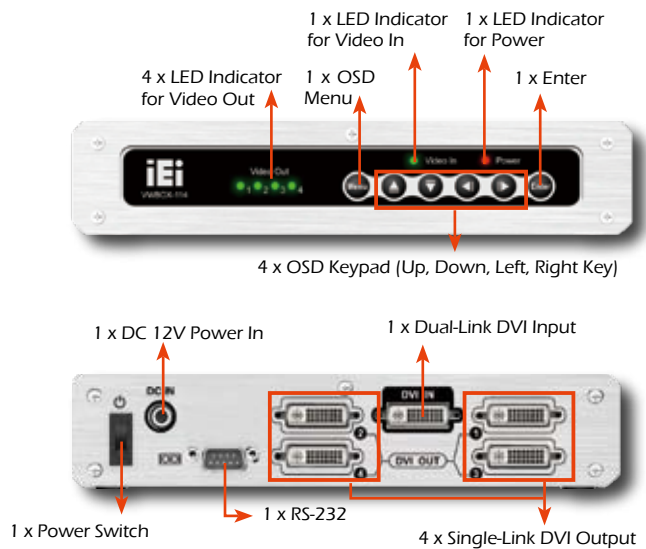
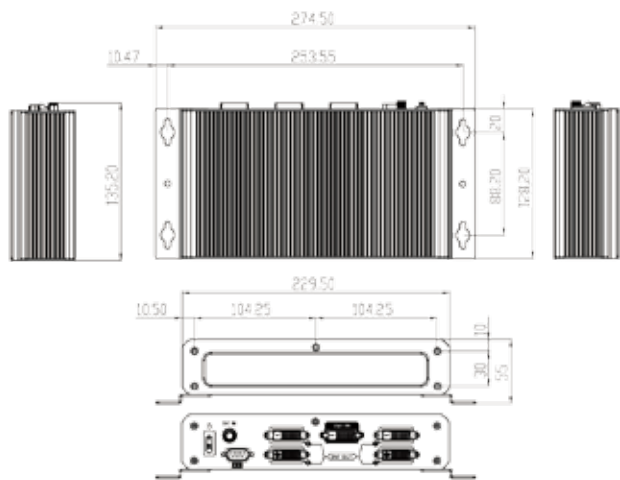
Without IEI GeniMASK™

Dimensions

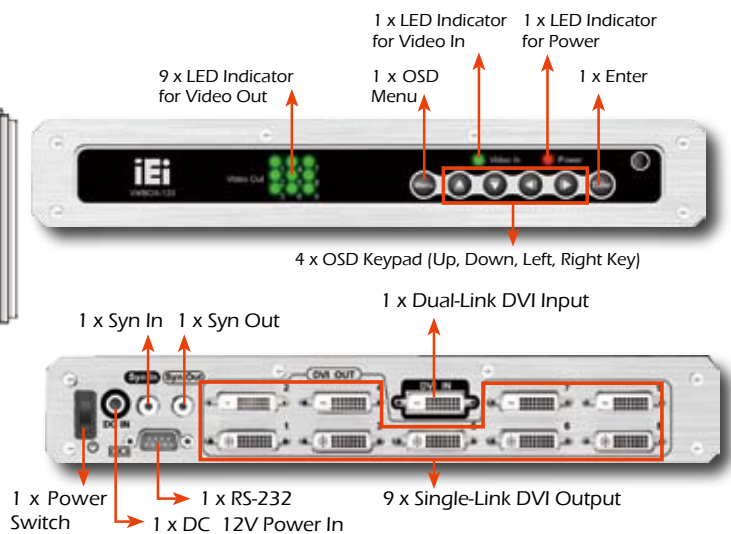
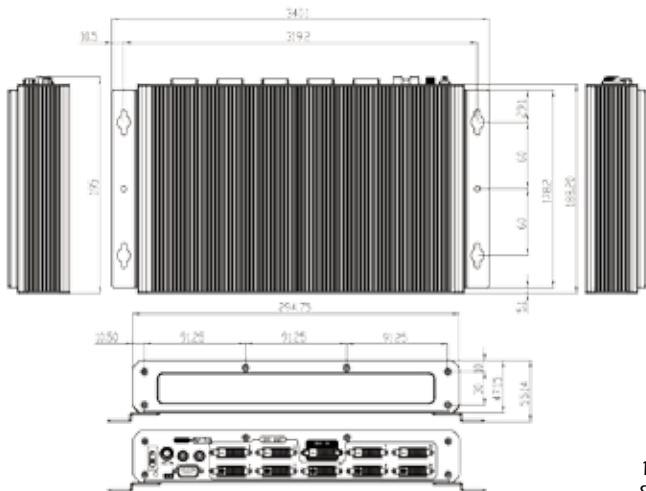
VWBOX-122A



VWBOX-114



VWBOX-133A



1 Automation

2 Point of Service

3 Digital Signage

4 RISC-based Solutions

5 Medical Solutions

Specifications

	VWBOX-114-R10				VWBOX-122A-R10				VWBOX-133A-R10					
Dimensions(mm) (W x D x H)	230 x 130 x 47				230 x 180 x 47				295 x 188 x 47					
Cooling	Fanless				Fanless				Fanless					
Front Panel	LED Light	6 x LED (1x Input, 4x Output, 1x Power)				6 x LED (1x Input, 4x Output, 1x Power)				11 x LED (1x Input, 9x Output, 1 x Power)				
	Keypad	6 Keys				6 Keys				6 Keys				
	IR Receiver	Yes				Yes				Yes				
Rear Panel	Input	1 x DVI dual-link Input				1 x DVI dual-link Input				1 x DVI dual-link Input				
	Output	4 x DVI single-link Output				4 x DVI single-link Output				9 x DVI single-link Output				
	Power Switch	1 x Power (in) with lock				1 x Power (in) with lock				1 x Power (in) with lock				
	RS-232	1 x RS-232				1 x RS-232				1 x RS-232				
	Syn In	N/A				1 x Syn In				1 x Syn In				
	Syn Out	N/A				1 x Syn Out				1 x Syn Out				
Resolution	Input	Output	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	Input	Output	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	Input	Output	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)		
	Full Mode (4 x 1)				Full Mode (2 x 2)				Full Mode (3 x 3)					
	3392x480	(4x848x480) *1	60	31.02	2048x1536	(4x1024x768) * 1	60	48.36	3072x2304	(9x1024x768) * 1	60	48.36		
	3200x600	(4x800x600) *1	60	37.08	2560x2048	(4x1280x1024) * 1	60	63.98	3840x2160	(9x1280x720)*1	66	49.37		
	3840x600	(4x960x600) *1	60	36	2560x1440	(4x1280x720)*1	66	49.37	3840x2400	(9x1280x800)*1	58	48.2		
	4092x768	(4x1024x768) *1	51	48.36	2560x1600	(4x1280x800)*1	58	48.2	3840x3072	(9x1280x1024)*1	60	63.98		
	Full Mode (3 x 1)				2720x1536 (4x1360x768)*1				4080x2304 (9x1360x768)*1					
	2544x480	(3x848x480)*1	60	31.02	3840x2160	(4x1920x1080) * 1	50	56.25	Full Mode (2 x 3)					
	2400x600	(3x800x600) *1	60	37.08	3840x2400	(4x1920x1200) * 1	50	61.75	2048x2304	(6x1024x768)*1	60	48.36		
	2880x600	(3x960x600)	60	36	Clone Mode (1 x 1)				2560x2400	(6x1280x800)*1	58	48.2		
	3072x768	(3x1024x768)*1	51	48.36	1024x768	(1x1024x768) * 4	60	48.36	2560x3072	(6x1280x1024)*1	60	63.98		
					Vertical Replication Mode (2 x 1)				2720x2304	(6x1360x768)*1	57	45.32		
					2560x1024 (2x1280x1024) * 2				60	63.98	Full Mode (3 x 2)			
					3840x1080 (2x1920x1080) * 2				50	56.25	3072x1536	(6x1024x768)*1	60	48.36
					3840x1200 (2x1920x1200) * 2				50	61.75	3840x1600	(6x1280x800)*1	58	48.2
										3840x2048	(6x1280x1024)*1	60	63.98	
										4080x1536	(6x1360x768)*1	57	45.32	
Power Consumption	10W				10W				17W					
Power Supply	Connector	DC Power Jack				DC Power Jack				DC Power Jack				
	Input	90VAC to 264VAC/47Hz to 63Hz				90VAC to 264VAC/47Hz to 63Hz				90VAC to 264VAC/47Hz to 63Hz				
	Output	12V DC				12V DC				12V DC				
OSD Function	1. Output resolution selection 2. Power On/Off				1. Output resolution selection 2. GeniMask bezel masking control 3. Power On/Off 4. Output Sync On/Off				1. Output resolution selection 2. GeniMask bezel masking control 3. Power On/Off 4. Output Sync On/Off					
Temperature	0°C ~ 40°C				0°C ~ 40°C				0°C ~ 40°C					
Safety and Emission	CE, FCC, and CCC				CE, FCC, and CCC				CE, FCC, and CCC					

Packing List

Item	VWBOX-114/122A/133A
Video Wall Box	1
12VDC Power Adapter (P/N:63000-UP0251E12PL59-RS)	1
Power Cord	1
IR Remote Control	1
Dual-link DVI-D Cable (1.8m)	1
Utility CD with User Manual	1
Mounting Bracket	1 set
Screw Kit	1 set

Options

Part No.	Description
32000-115700-RS	Dual-link DVI-D Cable 1.8M
32000-116000-RS	Single-link DVI-D Cable 1.8M
32000-115800-RS	Dual-link DVI-D Cable 5M
32000-114100-RS	Single-link DVI-D Cable 5M
32000-115900-RS	Dual-link DVI-D Cable 10M
32000-114101-RS	Single-link DVI-D Cable 10M
32000-000098-RS	RS-232 Cable 1.8M
33Z01-000012-RS	DVI (Male) to HDMI(Female) converter
33Z01-000013-RS	DVI (Female) to HDMI (Male) converter

Ordering Information

Model Name	Description
VWBOX-114-R10	Up to 4096 x 768 ultra high resolution input video wall controller, 1 Dual-link DVI input, 4 Single-link DVI output (4 x 1), RoHS
VWBOX-122A-R10	Up to 3840 x 2400 ultra high resolution input video wall controller, 1 Dual-link DVI input, 4 Single-link DVI output (2 x 2), RoHS
VWBOX-133A-R10	Up to 3840 x 3072 ultra high resolution input video wall controller, 1 Dual-link DVI input, 9 Single-link DVI output (3 x 3), RoHS

1

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2

Point of Service

3

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4

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5

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