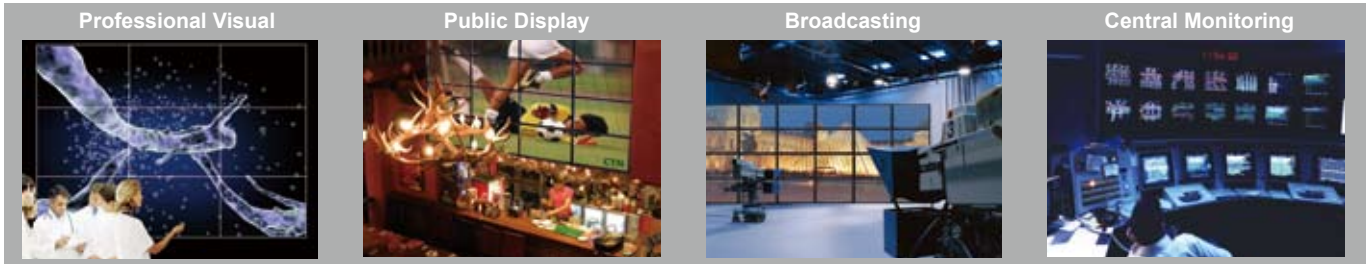


Embedded Video Wall Controller/ Splitter


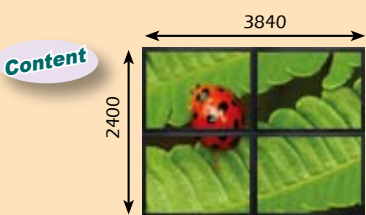

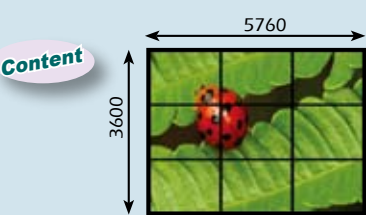

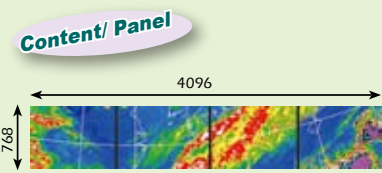

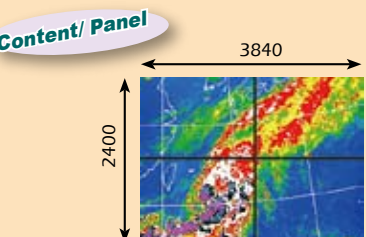

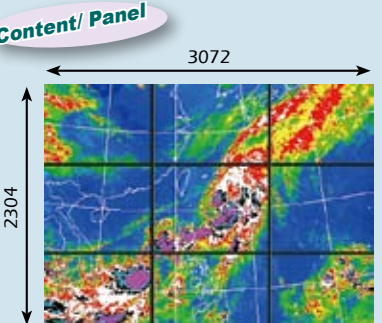
High-Resolution Large Screen Display Solution with Unique GeniMask Technology

IEI Video Wall Product Features:

- ▶ Support high resolution input contents to be displayed on multiple monitors
- ▶ IEI unique GeniMask bezel masking technology
- ▶ Flexible expansion display possibilities, up to 36 or more display wall is easy-setup.
- ▶ Support video splitter display with software

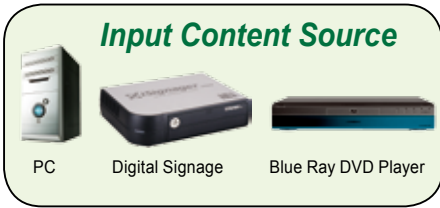


IEI Video Wall Product Matrix

<p>Full HD Resolution</p>	 <p>VWBOX-E122</p> <ul style="list-style-type: none"> - 1 input with 4 output (2x 2) - Input: 1920 x 1200 max. - Output: scale up to 3840 x 2400 max 	 <p>VWBOX-E133</p> <ul style="list-style-type: none"> - 1 input with 9 output (3x 3) - Input: 1920 x 1200 max. - Output: scale up to 5760 x 3600 max 	
	<p>Ultra High Resolution</p>	 <p>VWBOX-114</p> <ul style="list-style-type: none"> - 1 input with 4 outputs (1x3, 1x 4) - Input: 4096x 768 max. - Output: 4096x 768 max. 	 <p>VWBOX-122A</p> <ul style="list-style-type: none"> - 1 input with 4 output (2x 2) - Input: 3840 x 2400 max. - Output: 3840 x 2400 max. 
		 <p>VWBOX-133A</p> <ul style="list-style-type: none"> - 1 input with 9 output (2x 3, 3 x 2, 3 x 3) - Input: 3840 x 3072 (4:3) or 4080 x 2304 (16:9) max. - Output: 3840 x 3072 (4:3) or 4080 x 2304 (16:9) max. 	
	1X4	2X2	3X3 Display Matrix

VWBOX-E122/E133

Scaling Function (IEI VWBOX-E122/E133)



Flexible Input content resolution
Up to Full HD (1920 x 1200).



Auto-scale the input content to full screen

VWBOX-E122/E133 auto-scales the input content and the expected content resolution supported:

- 2048x1536, 2720x1536, 2560x2048, 2800x2100, 3320x2100, 3200x2400, 3840x2400 (for VWBOX-E122)
- 3072x2304, 4080x2304, 3840x3072, 4200x3150, 4980x3150, 4800x3600, 5760x3600 (for VWBOX-E133)



Full screen display on the 2x2 or 3x3 video wall

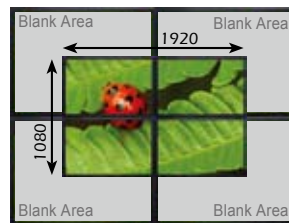
Non-Scaling Function



Other Video Wall Splitter



Small screen and big blank on video wall



Small screen display on the 2 x 2 or 3 x 3 video wall

Ultra-High Resolution Controller ~ VWBOX-114/122A/133A

VWBOX-114 for Special Display Matrix Up to 3.2MP (4096 x 768) Input



VWBOX-122A for High-Resolution Content Display Up to 9.2MP (3840 x 2400) Input

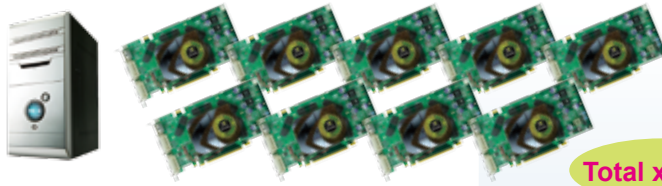


VWBOX-133A for Large Content Display Up to 9.4MP (4080 x 2304) Input



Ultra High Resolution Video Splitter

Traditional Topology for Video Splitter



Total x 9pcs

IEI's Topology for Video Splitter



Only x 1pc



VWBOX-133A

DVI Output



Assign multiple images to the displays quickly via IEI VWBOX Splitter. Only one PC input, 16 displays with individual content are easily built up. IEI VWBOX brings the advantages for video splitter applications, including

	PC	Graphic Card	Image Input	Combination
IEI Video Wall Solution	Only 1 compact size PC	Only 1 graphic card	One plug between PC and VWBOX via 1 Dual-link DVI cable	Extended
Traditional PC-Based Video Wall Solution	1 large-size PC with multiple expansion slots	Multiple	Complicated processing by multiple graphic boards	Limited

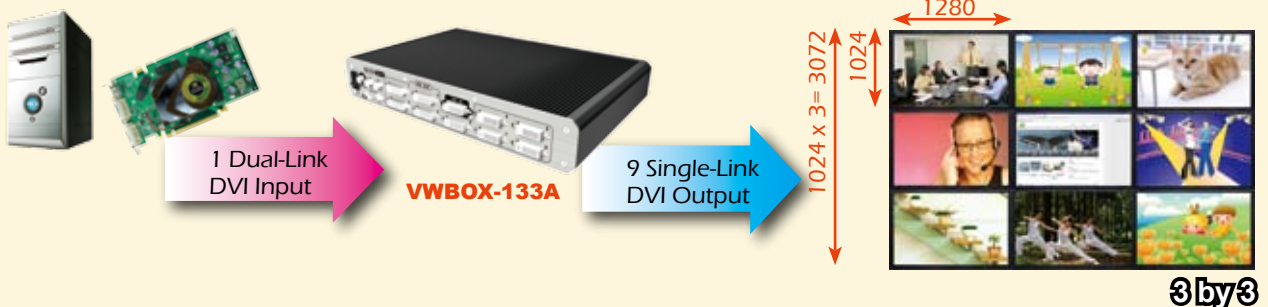
Up to 3.2MP (4096 x 768) Input



Up to 9.2MP (3840 x 2400) Input



Up to 11MP (3840 x 3072) Input



For Professional User -> Define the display area and positions with your own software

Just follow the positioning for each media layout, professional user can define desired size and position of each media zone freely. Your preferred image or content to be shown on the specific display.



3 x 3 Display

(0, 0) 1 (1023, 767)	(1024, 0) 2 (2047, 767)	(2048, 0) 3 (3071, 767)
(0, 768) 4 (1023, 1535)	(1024, 768) 5 (2047, 1535)	(2048, 768) 6 (3071, 1535)
(0, 1536) 7 (1023, 2303)	(1024, 1536) 8 (2047, 2303)	(2048, 1536) 9 (3071, 2303)

2 x 2 Display

(0, 0) 1 (1919, 1199)	(1920, 0) 2 (3839, 1199)
(0, 1200) 3 (1919, 2399)	(1920, 1200) 4 (3839, 2399)

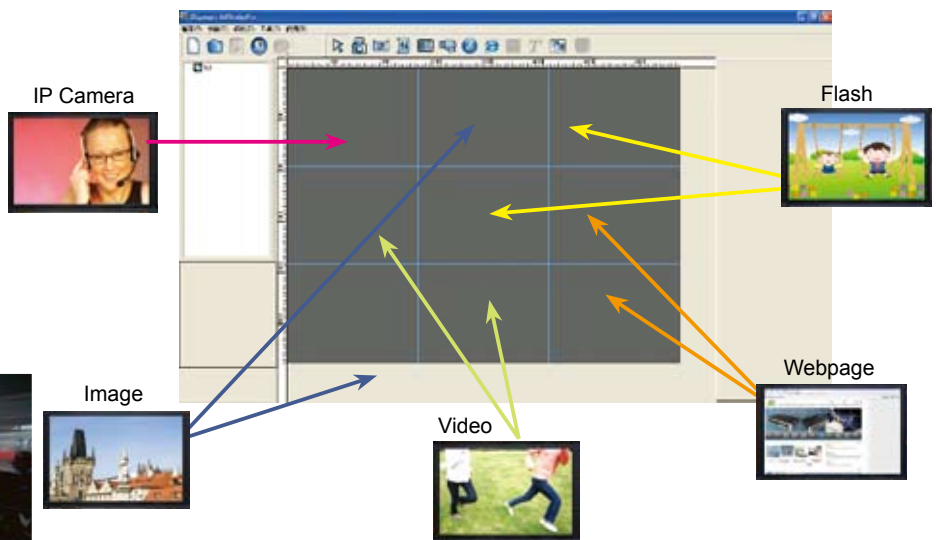
4 x 1 Display

(0, 0) 1 (1023, 767)	(1024, 0) 2 (2047, 767)	(2048, 0) 3 (3071, 767)	(3072, 0) 4 (4095, 767)
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For General User -> Design your own Layout via iSignager AdMinistrator V4.x Software

IEI provides iSignager AdMinistrator for easy-design your video wall layout with multiple IP base input content resources, including IP camera, image, flash file, video file or webpage. The iSignager AdMinistrator supports 4x1, 2x2, 3x3 or more multiple content zone.

- Surveillance



- Interior Design



- Public Display



Specifications



		VWBOX-E122-R10	VWBOX-E133-R10	VWBOX-114-R10					
Dimensions (W x D x H)		47 x 178.2 x 229.5 mm	47 x 188 x 295 cm	47 x 120.7 x 229.5 mm					
Cooling		Fanless		Fanless					
Front Panel	LED Light	6 x LED (1x Input, 4x Output, 1x Power)	11 x LED (1x Input, 9x Output, 1x Power)	6 x LED (1x Input, 4x Output, 1x Power)					
	Keypad	6 Keys	6 Keys	6 Keys					
	IR Receiver	Yes	Yes	N/A					
Rear Panel	Input	1 x DVI single-link Input (Support VGA Input)	1 x DVI single-link Input	1 x DVI dual-link Input					
	Output	4 x DVI single-link Output	9 x DVI single-link Output	4 x DVI single-link Output					
	Power Switch	N/A	Yes	1 x Power (in) with lock					
	RS-232	1 x RS-232	1 x RS-232	N/A					
	Digital I/O	8 sets	N/A	N/A					
	Syn In	N/A	N/A	1 x Syn In					
	Syn Out	N/A	N/A	1 x Syn Out					
		Clone, Full, Vertical Replication Mode	Clone, Full Mode		Full Mode (4x 1)				
Resolution		Input	Output	Input	Output	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)
		800x 600		800x 600		3392x480	848x480	60	31.02
						3200x600	800x600	60	37.08
						3840x600	960x600	60	36
		1024x 768	1024 x 768	1024x 768	1024 x 768	4092x768	1024x768	51	48.36
						Full Mode (3 x 1)			
						Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)
		1152x 864	1360 x 768	1152x 864	1360 x 768	2544x480	848x480	60	31.02
		1280x 768	1280 x 1024	1280x 768	1280 x 1024	2400x600	800x600	60	37.08
		1280x 960	1400 x 1050	1280x 960	1400 x 1050	2880x600	960x600	60	36
		1280x 1024	1680 x 1050	1280x 1024	1680 x 1050	3072x768	1024x768	51	48.36
		1600x 1200	1600 x 1200	1600x 1200	1600 x 1200				
		1680x 1050	1920 x 1200	1680x 1050	1920 x 1200				
		1920x 1200		1920x 1200					
	Power Consumption		20W	25W	10W				
Power Supply	Connector	DC Power Jack		DC Power Jack					
	Input	90VAC to 264VAC/47Hz to 63Hz		90VAC to 264VAC/47Hz to 63Hz					
	Output	12V DC		12V DC					
OSD Function	1. Power On/Off 2. Output resolution selection 3. GeniMask bezel masking control		1. Power On/Off 2. Output resolution selection 3. GeniMask bezel masking control		1. Power On/Off 2. Output resolution selection 3. GeniMask bezel masking control				
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-E122/E133	VWBOX-114	VWBOX-122A/133A
Video Wall Box	1	1	1
12VDC Power Adapter (P/N:63000-UP0251E12PL59-RS)	1	1	1
Power Cord	1	1	1
IR Remote Control	1	N/A	1
RS-232 Cable	1	N/A	N/A
DVI Cable (1.8m)	1	1	1
Utility CD with User Manual	1	1	1
Mounting Bracket	1 set	1 set	1 set
Screw Kit	1 set	1 set	1 set

Ordering Information

Part No.	Description
VWBOX-E122/DVI-R10	Up to 1920 x 1200 high resolution input video wall controller, 1 Single-link DVI input, 4 Single-link DVI output (2 x 2), RoHS
VWBOX-E133-R10	Up to 1920 x 1200 high resolution input video wall controller, 1 Single-link DVI input, 9 Single-link DVI output (3 x 3), RoHS
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 3072 x 2304 ultra high resolution input video wall controller, 1 Dual-link DVI input, 9 Single-link DVI output (3 x 3), RoHS

Ultra-high Resolution

Ultra-high Resolution

		VWBOX-122A-R10				VWBOX-133A-R10			
Dimensions (W x D x H)		47 x 178.2 x 229.5 mm				47 x 188 x 295 mm			
Cooling		Fanless				Fanless			
Front Panel	LED Light	6 x LED (1x Input, 4x Output, 1x Power)				11 x LED (1x Input, 9x Output, 1 x Power)			
	Keypad	6 Keys				6 Keys			
	IR Receiver	Yes				Yes			
Rear Panel	Input	1 x DVI dual-link Input				1 x DVI dual-link Input			
	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			
	RS-232	1 x RS-232				1 x RS-232			
	Digital I/O	N/A				N/A			
	Syn In	1 x Syn In				1 x Syn In			
	Syn Out	1 x Syn Out				1 x Syn Out			
Resolution	Clone Mode (1 x 1)				Full Mode (3 x 2)				
	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	
	1024x768	1024x768	60	48.36	2048x2304	1024x768	60	48.36	
	Vertical Replication Mode (2 x 1)				2560x2400	1280x800	58	48.2	
	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	2560x3072	1280x1024	60	63.98	
	2560x1024	1280x1024	60	63.98	2720x2304	1360x768	57	45.32	
	3840x1080	1920x1080	50	56.25	Full Mode (2 x 3)				
	3840x1200	1920x1200	50	61.75	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	
	Full Mode (2 x 2)				3072x1536	1024x768	60	48.36	
	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	3840x1600	1280x800	58	48.2	
	2048x1536	1024x768	60	48.36	3840x2048	1280x1024	60	63.98	
	2560x2048	1280x1024	60	63.98	4080x1536	1360x768	57	45.32	
	2560x1440	1280x720	66	49.37	Full Mode (3 x 3)				
	2560x1600	1280x800	58	48.2	Input	Output (per display)	Output Vertical Frequency (Hz)	Output Horizontal Frequency (kHz)	
	2720x1536	1360x768	57	45.32	3072x2304	1024x768	60	48.36	
	3840x2880	1920x1440	40	60	3840x2160	1280x720	66	49.37	
	3840x2160	1920x1080	50	56.25	3840x2400	1280x800	58	48.2	
	3840x2400	1920x1200	50	61.75	3840x3072	1280x1024	60	63.98	
					4080x2304	1360x768	57	45.32	
	Power Consumption		10W				17W		
Power Supply	Connector	DC Power Jack				DC Power Jack			
	Input	90VAC to 264VAC/47Hz to 63Hz				90VAC to 264VAC/47Hz to 63Hz			
	Output	12V DC				12V DC			
OSD Function		1. Power On/Off 2. Output resolution selection 3. GeniMask bezel masking control 4. Output Sync On/Off				1. Power On/Off 2. Output resolution selection 3. GeniMask bezel masking control 4. Output Sync On/Off			
Temperature		0°C ~ 40°C				0°C ~ 40°C			
Safety and Emission		CE, FCC, and CCC				CE, FCC, and CCC			

Options

Item	VWBOX-E122/E133	VWBOX-114	VWBOX-122A/133A
32000-115700-RS: Dual-link DVI Cable 1.8M	-	√	√
32000-116000-RS: Single-link DVI Cable 1.8M	√	√	√
32000-115800-RS: Dual-link DVI Cable 5M	-	√	√
32000-114100-RS: Single-link DVI Cable 5M	√	√	√
32000-115900-RS: Dual-link DVI Cable 10M	-	√	√
32000-114101-RS: Single-link DVI Cable 10M	-	√	√
33Z01-000012-RS: DVI (Female) to HDMI (Male) Converter	√	√	√
32000-000098-RS: RS-232 Cable	√	√	√