

SAMSUNG

The Wall for Virtual Production

IVC series

A new way to create reality.

The ultimate picture quality comes to your studio with The Wall for Virtual Production. Tap into powerful production capabilities with Samsung's industry leading visual technology which delivers every detail exactly as it was intended. Experience lifelike levels of texture, volume, and a wide range of shades for virtual content creation. Featuring genlock and phase offset function, The Wall for Virtual Production is secured to be in line with your entire system's signals. Furthermore, an improved cabinet structure in a 4:9 ratio allows for flawless curved installation up to 5,800R while 12,288 Hz refresh rate minimizes flicker lines and artefacts, ensuring clear content every time.

Key features



Black Seal Technology+

The purest black levels give new depth to every details, delivering unparalleled contrast like never before.



High refresh rate

The 12,288 Hz refresh rate minimizes flicker lines and artefacts no matter what camera is used.



Genlock

Genlock secures The Wall for Virtual Production to be in line with the entire system's signals without any dropped or doubled frames.



Phase offset

Phase offset allows for adjustment of the time delay between camera and screen for a perfect image.



Virtual Production Manager

With an intuitive interface and quick access to frequently used commands, users can control all of the LED screens, improving efficiency.



Smooth surface

Dust, smoke and stains can be simply wiped clean with a soft cloth and glass cleaner.

*Glass cleaner should be sprayed on to the cleaning cloth and not directly on the screen.

Specifications

Model		IVC	
		IV016C	IV021C
Physical Parameter	Pixel Pitch	1.68 mm	2.1 mm
	Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
	Configuration (L x H, Per cabinet)	240 x 540 pixels	192 x 432 pixels
	Diode Type	Flip-chip RGB LED	Flip-chip RGB LED
	Dimensions (mm, L x H x D, Per cabinet)	403.1 x 907.0 x 83 (4:9)	403.1 x 907.0 x 83 (4:9)
	Dimensions (Inch, Diagonal x D, Per cabinet)	39.1 x 3.3 inch	39.1 x 3.3 inch
	No. of Modules (W x H, Per cabinet)	2 x 6	2 x 6
	Weight	13.3 (kg/Cabinet) / 36.4 (kg/m²)	13.3 (kg/Cabinet) / 36.4 (kg/m²)
Optical Parameter	Brightness (Max)	1,500 nit	1,500 nit
	Contrast Ratio ⁽¹⁾	31,000 :1	35,000 :1
	HDR Compatibility	HDR10 / HDR10+ support	HDR10 / HDR10+ support
	Viewing Angle - Horizontal	170°	170°
	Viewing Angle - Vertical	155°	155°
	Bit Depth	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)
	Color Temperature - Default	6,500K ± 500K	6,500K ± 500K
	Color Temperature - Adjustable	2,800K ~ 10,000K (Using S-Box)	2,800K ~ 10,000K (Using S-Box)
Electrical Parameter	Input Power Range	100~240 VAC, 50 / 60 Hz	100~240 VAC, 50 / 60 Hz
	Power Consumption - Max	514 (W/m²) / 188 (W/Cabinet)	492 (W/m²) / 180 (W/Cabinet)
	Power Consumption - Typ	238 (W/m²) / 87 (W/Cabinet)	219 (W/m²) / 80 (W/Cabinet)
	Heat Generation - Max	1,754 (BTU/m²) / 642 (BTU/Cabinet)	1,680 (BTU/m²) / 614 (BTU/Cabinet)
	Heat Generation - Typ	812 (BTU/m²) / 297 (BTU/Cabinet)	746 (BTU/m²) / 273 (BTU/Cabinet)
	Refresh Rate	12,288 Hz	12,288 Hz
Operational Parameter	Working Temperature / Humidity	0°C~+40°C / 10%~80%RH	0°C~+40°C / 10%~80%RH
	Storage Temperature / Humidity	-20°C~+45°C / 5%~95%RH	-20°C~+45°C / 5%~95%RH
	IP Rating	IP20	IP20
	LED Lifetime	150,000 hours	150,000 hours
Connectivity	Controller	CV4B	CV4B
	Connectivity	Optical	Optical
Certification	Safety	62368-1, 60950-1	62368-1, 60950-1
	EMC	Class A	Class A
Service	Service	Front: Module / T-con, Rear: T-con / SMPS	Front: Module / T-con, Rear: T-con / SMPS
Features	VPM	Yes	Yes
Accessories	Accessories	Hanging Bar/ Stacking Bar / Angle Bracket	Hanging Bar / Stacking Bar / Angle Bracket
Package	Box Dimension (mm / in., W x H x D)	1,044 x 533 x 204 mm / 41.1 x 21 x 8 in.	1,044 x 533 x 204 mm / 41.1 x 21 x 8 in.
	Package Weight (Per cabinet) (kg / lbs.)	17.3 kg / 38.1 lbs.	17.3 kg / 38.1 lbs.
Special Installation	Curve	Concave 0°~4° (Min 5800R)	Concave 0°~4° (Min 5800R)

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