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, W x H x D)	1,044 x 533 x 204 mm	1,044 x 533 x 204 mm
Package Weight (Per cabinet)	17.3 kg	17.3 kg
Special Installation		
Curve	Concave 0˚~4˝ (Min 5800R)	Concave 0˚~4˝ (Min 5800R)

(1) Measured under 10lux light Test condition. Contrast in darkroom exceeds 1000000:1

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Samsung LED Signage

For more information about The Wall, visit www.samsung.com/business

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2023-08

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.