SAMSUNG

The Wall

IWC series

The Wall.
Make a bold statement.

Innovation doesn't rest. It's a relentless pursuit to create unrivaled experiences. Samsung's rich R&D heritage and LED expertise culminates in The Wall by delivering the ultimate viewing experience. The new Black Seal Technology+ creates unparalleled contrast and immaculate detail, while Ultra Chroma technology produces vibrant, yet natural colors, leaving viewers in awe. With its powerful AI processor, every second of content is instantly analyzed and optimized for up to 8K resolution. Plus, The Wall features TUV Rheinland Eye Comfort and EMC Class B certification to provide advanced protection in extended environments. The Wall. Make every experience immersive and deliver a perfect view of your business.

* Some features may not be supported depending on the S-box model connected.

Key features

Black Seal Technology+
The purest black levels give new depth to every detail, delivering unparalleled contrast like never before.

* Black Seal Technology+ is supported by the P0.84 model only. P1.26 and P1.68 models support Black Seal Technology.

Ultra Chroma Technology
Narrower wavelengths produce RGB colors two times purer* and more accurate than conventional LEDs.

* Figure is based on internal testing standards against Samsung's conventional LED Signage.

Linear Grayscale
A precise linear grayscale showcases intricacies in every scene, delivering realistic textures, volume, and continuous shadow details.

MICRO AI Processor
The powerful AI processor delivers superior visuals in any size up to 8K resolution, enhancing contrast and removing noise.

* This feature may not be supported depending on the S-box model connected.

Proven Protection
The Wall features TUV Rheinland Eye Comfort and EMC Class B certification, providing advanced protection in extended environments.

Simple 8K Playback
The Wall enables 8K content playback with just one S-Box, delivering more pixels with enhanced precision.

* This feature may not be supported depending on the S-box model connected.

Specifications

Model	IWC		
	IW008C	**IW012C**	**IW016C**
Physical Parameter — Pixel Pitch	0.84 mm	1.26 mm	1.68 mm
Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
Configuration (LxH, per cabinet)	960 x 540 pixels	640 x 360 pixels	480 x 270 pixels
Diode Type	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED
Dimensions (mm, L x H x D, per cabinet)	806.4 x 453.6 x 75 mm	806.4 x 453.6 x 75 mm	806.4 x 453.6 x 75 mm
Dimensions (inch, Diagonal x D, per cabinet)	36.4 x 3.0 inch	36.4 x 3.0 inch	36.4 x 3.0 inch
No. of Modules (W x H, per cabinet)	4 x 3	4 x 3	4 x 3
Weight	11.4 (kg/Cabinet) / 31.2 (kg/m²)	11.4 (kg/Cabinet) / 31.2 (kg/m²)	11.4 (kg/Cabinet) / 31.2 (kg/m²)
Optical Parameter — Brightness (Peak/Max) [1]	1,800 nit / 600 nit	1,800 nit / 1,000 nit	1,600 nit / 1,200 nit
Contrast Ratio [2]	30,000 : 1	30,000 : 1	36,000 : 1
HDR Compatibility	LED HDR / HDR10 / HDR10+ support / AI Picture	LED HDR / HDR10 / HDR10+ support / AI Picture	LED HDR / HDR10 / HDR10+ support / AI Picture
Viewing Angle - Horizontal	170 ±5˚	170 ±5˚	170 ±5˚
Viewing Angle - Vertical	155˚ ±5˚	155˚ ±5˚	155˚ ±5˚
Bit Depth	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)
Color Temperature - Default	6,500K ± 500K	6,500K ± 500K	6,500K ± 500K
Color Temperature - Adjustable	2,800K ~ 10,000K (using S-Box)	2,800K ~ 10,000K (using S-Box)	2,800K ~ 10,000K (using S-Box)
Electrical Parameter — Video Rate	100/120 Hz	100/120 Hz	100/120 Hz
Input Power Range	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
Power Consumption - Max	355 (W/m²) / 130 (W/Cabinet)	410 (W/m²) / 150 (W/Cabinet)	446 (W/m²) / 163 (W/Cabinet)
Power Consumption - Typ	241 (W/m²) / 88 (W/Cabinet)	221 (W/m²) / 81 (W/Cabinet)	205 (W/m²) / 75 (W/Cabinet)
Heat Generation - Max	1,213 (BTU/m²) / 444 (BTU/Cabinet)	1,400 (BTU/m²) / 512 (BTU/Cabinet)	1,521 (BTU/m²) / 556 (BTU/Cabinet)
Heat Generation - Typ	821 (BTU/m²) / 300 (BTU/Cabinet)	756 (BTU/m²) / 276 (BTU/Cabinet)	700 (BTU/m²) / 256 (BTU/Cabinet)
Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz
Visual Refresh Rate	7,680 Hz	11,520 Hz	7,680 Hz
Operational Parameter — Power Redundancy	Yes (Dual Power)	Yes (Dual Power)	Yes (Dual Power)
Working Temperature / Humidity	0℃~+40℃ / 10%~80%RH	0℃~+40℃ / 10%~80%RH	0℃~+40℃ / 10%~80%RH
Storage Temperature / Humidity	-20℃~+45℃ / 5%~95%RH	-20℃~+45℃ / 5%~95%RH	-20℃~+45℃ / 5%~95%RH
IP Rating	IP20	IP20	IP20
LED Lifetime	150,000 hours	150,000 hours	150,000 hours
Connectivity — Controller	SNOW-AAE MBOXACE / CS4B (TBU)	SNOW-AAE MBOXACE / CS4B (TBU)	SNOW-AAE MBOXACE / CS4B (TBU)
Connectivity	Optical	Optical	Optical
Certification — Safety	62368-1, 60950-1	62368-1, 60950-1	62368-1, 60950-1
EMC	Class B	Class B	Class B
Eye-protection	TUV Eye Comfort	TUV Eye Comfort	TUV Eye Comfort
Service — Service	Front	Front	Front
Features — MagicINFO	Yes	Yes	Yes
Sensor	Temperature	Temperature	Temperature
Other	Dynamic Peaking	Dynamic Peaking	Dynamic Peaking
Accessories — Accessories	Décor Frame, Frame Kit	Décor Frame, Frame Kit	Décor Frame, Frame Kit
Remote Control	-	-	-
Package — Box Dimension (mm, W x H x D)	938 x 184 x 581 mm	938 x 184 x 581 mm	938 x 184 x 581 mm
Package Weight (per cabinet)	15.7 kg	15.7 kg	15.7 kg
Special Installation — Curve [3]	Concave 23,000R (0˚~2˚)	Concave 23,000R (0˚~2˚)	Concave 23,000R (0˚~2˚)

(1) Peak value according to IDMS (Information Display Measurement Standard)

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

(3) Radius that guarantees the optimal picture quality. Can be installed with a radius that is below the specification mechanically (Min 6,000R) through consulation with the tech support team

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LED Signage

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

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