

SAMSUNG

Make a bold statement, faster

Power on an awe-inspiring viewing experience with The Wall All-In-One. Engineered to be quickly ready to go out of the box, Samsung's most advanced and stunning display makes a bold statement in any environment. With the Wall All-In-One you simply choose your size and resolution, and you're assured of a complete, easy-to-install, brilliant solution.



Stunning Picture Quality

Deeper blacks, greater contrast

Purer black levels with enhanced depth deliver unparalleled contrast and immaculate detail.

Vivid, vibrant color purity

With Ultra Chroma Technology, colors leap to life with spectacular vibrancy.

Colors mapped to perfection

The Wall All-In-One's 20-bit processing delivers accurate color mapping, for incredibly realistic images.

Continuous natural shading

Deeper bit depth at low grayscale and a precise linear grayscale deliver greater contrast ratio and exceptionally smooth, natural tones and shadows.

Instant AI optimization

The powerful AI processor delivers enhanced, noise-free visuals in up to 4K resolution.¹

Smooth motion, dazzling dynamic range

The Wall All-In-One automatically converts 60Hz signals to 120Hz for smoother motion graphics. HDR10/10+ and LED HDR illuminate ideal peak brightness and contrast scene-by-scene for spectacular imagery.



Flexible Design & Installation

Pre-Assembled for an Easy Install

The Wall All-In-One drastically simplifies installation with preconfigured modules and docking background plates.² Two people can install it in about two hours.³

Integrated S-Box

Integrated box eliminates cumbersome configuration process and saves space.

All-In-One means no extras needed

From the control box and wall brackets to speakers and deco bezels, everything you need to get started is included.



Easy Management & Security

Smarter collaboration with Smart View+

Smart View+ lets you mirror up to four devices of any brand simultaneously for easy collaboration.

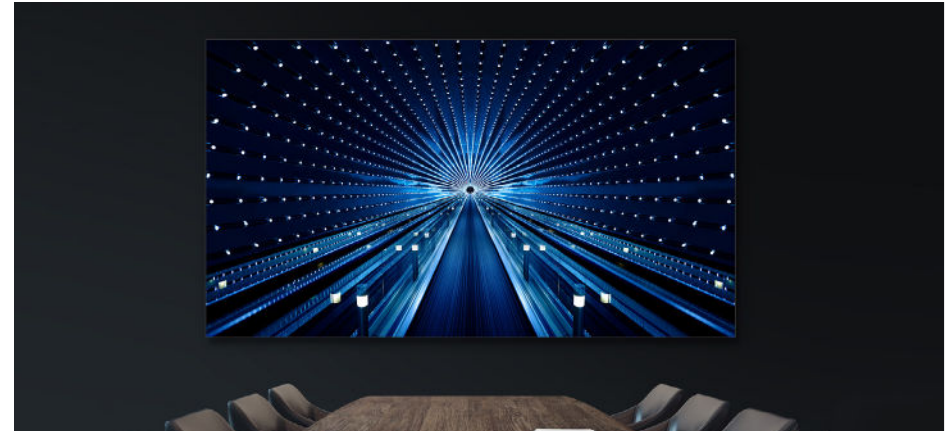
Flexible video conferencing

The Wall All-In-One supports seamless video conferencing, with Cisco Webex compatibility and Logitech plug-and-play camera capability.⁴

Operate with peace of mind

The integrated Knox security platform protects against external attacks, blocks malicious code execution and controls USB and network exchange.

The Wall All-In-One IAB Series Displays



The Wall All-In-One IAB Series Displays

Specifications				
	Model Name	IA008B: 146" 4K	IA016B: 146" 2K	IA012B: 110" 2K
Physical Parameters	Pixel Pitch	0.84 mm	1.68 mm	1.26 mm
	Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
	Configuration (LxH, per screen)	3840 x 2160 pixels	1920 x 1080 pixels	1920 x 1080 pixels
	Diode Type	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED
	Diagonal (Diagonal x D, per screen)	145.7" x 1.9"	145.7" x 1.9"	109.3" x 1.9"
	Dimensions (W x H x D, screen)	127" x 71.4" x 1.9" / 3,225.6 x 1,814.4 x 49.5 mm	127" x 71.4" x 1.9" / 3,225.6 x 1,814.4 x 49.5 mm	95.3" x 53.7" x 1.9" / 2,423.1 x 1,364.4 x 49.5 mm
	No. of Modules (W x H, per screen)	16 x 12	16 x 12	12 x 9
	Weight (per screen)	168 kg / 370.4 lbs	168 kg / 370.4 lbs	99 kg / 218 lbs
Optical Parameters	Brightness (Peak/Max) ⁵	1,600 nit / 500 nit	1,400 nit / 500 nit	1,600 nit / 500 nit
	Contrast Ratio ⁶	24,000:1	22,000:1	24,000:1
	HDR Compatibility	LED HDR / HDR10+ support / AI Picture	LED HDR / HDR10+ support / AI Picture	LED HDR / HDR10+ support / AI Picture
	Viewing Angle (Horizontal / Vertical)	170° / 155°	170° / 155°	170° / 155°
	Bit Depth	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)
	Color Temperature (Default)	6,500K ± 500K (Floating bin)	6,500K ± 500K (Floating bin)	6,500K ± 500K (Floating bin)
	Color Temperature (Adjustable)	2,800K ~ 10,000K	2,800K ~ 10,000K	2,800K ~ 10,000K
Electrical Parameters	Video Rate	50/60 Hz 100/120 (FRC) Hz	50/60 Hz 100/120 (FRC) Hz	50/60 Hz 100/120 (FRC) 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. / Typ.)	1700W/Screen / 1100W/Screen	1240W/Screen / 860W/Screen	900 (W/Screen) / 650 (W/Screen)
	Heat Generation (Max. / Typ.)	5800 BTU/Screen / 3753 BTU/Screen	4231 BTU/Screen / 2934 BTU/Screen	3071 (BTU/Screen) / 2218 (BTU/Screen)
	Refresh Rate ⁷	3,840 Hz	7,680 Hz	3,840 Hz
Operational Parameters	Power Redundancy	No	No	No
	Working Temperature / Humidity	32°~104° F / 10%-80%RH	32°~104° F / 10%-80%RH	32°~104° F / 10%-80%RH
	Storage Temperature / Humidity	-4°~113° F / 5%-95%RH	-4°~113° F / 5%-95%RH	-4°~113° F / 5%-95%RH
	IP Rating	IP20	IP20	IP20
	LED Lifetime	150,000 hours	150,000 hours	150,000 hours
Connectivity	Controller	Built-in	Built-in	Built-in
	Input (Video)	DP1.2 (1), HDMI 2.0 (3), USB 2.0 (2)	DP1.2 (1), HDMI 1.4 (3), USB 2.0 (2)	DP1.2 (1), HDMI 1.4 (3), USB 2.0 (2)
	Output	Audio (Stereo Mini Jack) / eARC	Audio (Stereo Mini Jack) / eARC	Audio (Stereo Mini Jack) / eARC
	Wi-Fi / Bluetooth	Yes / Yes	Yes / Yes	Yes / Yes
	External Control	RS232C (in), RJ45	RS232C (in), RJ45	RS232C (in), RJ45
Sound	Speaker	10W x 2	10W x 2	10W x 2
Certifications	Safety	62368-1, 60950-1	62368-1, 60950-1	62368-1, 60950-1
	EMC	Class A	Class A	Class A
	Eye Protection	TUV Low Blue Light	TUV Low Blue Light	TUV Low Blue Light
Service	Service	Front	Front	Front
Features	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5
	MagicINFO	Yes	Yes	Yes
	Sensor	Temperature, Eco Sensor	Temperature, Eco Sensor	Temperature, Eco Sensor
	Other	AI Picture, LED HDR, HDR10/10+, Dynamic Peaking	AI Picture, LED HDR, HDR10/10+, Dynamic Peaking	AI Picture, LED HDR, HDR10/10+, Dynamic Peaking
	Other SW Features	Workspace (Microsoft 365/VMWare/RDP), Auto Source Switching and Recovery, Dicom Simulation Mode, SmartView+ (PC)	Workspace (Microsoft 365/VMWare/RDP), Auto Source Switching and Recovery, Dicom Simulation Mode, SmartView+ (PC)	Workspace (Microsoft 365/VMWare/RDP), Auto Source Switching and Recovery, Dicom Simulation Mode, SmartView+ (PC)
Accessories	Accessories	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)
	Remote Control	IR Remote Controller	IR Remote Controller	IR Remote Controller
Package	Box Dimension (inches, WxHxD)	78.7 x 85 x 39 in	78.7 x 85.1 x 39 in	112 x 62 x 15.6 in
	Box Dimension (mm, WxHxD)	2,000 x 2,162 x 1,000 mm	2,000 x 2,162 x 1,000 mm	2,847 x 1,582 x 398 mm
	Package Weight (per cabinet)	301 kg / 663.5 lbs	301 kg / 663.5 lbs	154 kg / 339.5 lbs
Special Installation	Other ⁸	Side by Side Installation with additional frame kit (up to 4 screens)	Side by Side Installation with additional frame kit (up to 4 screens)	Side by Side Installation with additional frame kit (up to 4 screens)

Connectivity

1. Service

2. HDR Data Out

3. HDR Data In

4. IR

5. Stereo Mini Jack
6. RS232C In

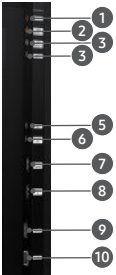
7. HDMI In 2 (eARC)

8. HDMI In 1

9. DP In

10. LAN

IAB Series



Front



Back



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¹Upscaling resolution may vary based on the resolution support of individual models. ²The Wall All-In-One 110-inch model requires three preset modules. The 146-inch model requires four preset modules. ³Install time estimate based on internal testing. ⁴Google Duo compatibility and Logitech plug-and-play available Q4. ⁵Peak value according to IDMS (Information Display Measurement Standard). ⁶Measured under 10 lux light test condition. Contrast in darkroom exceeds 1000000:1. ⁷Referring to visual refresh rate. ⁸Optional structure required.