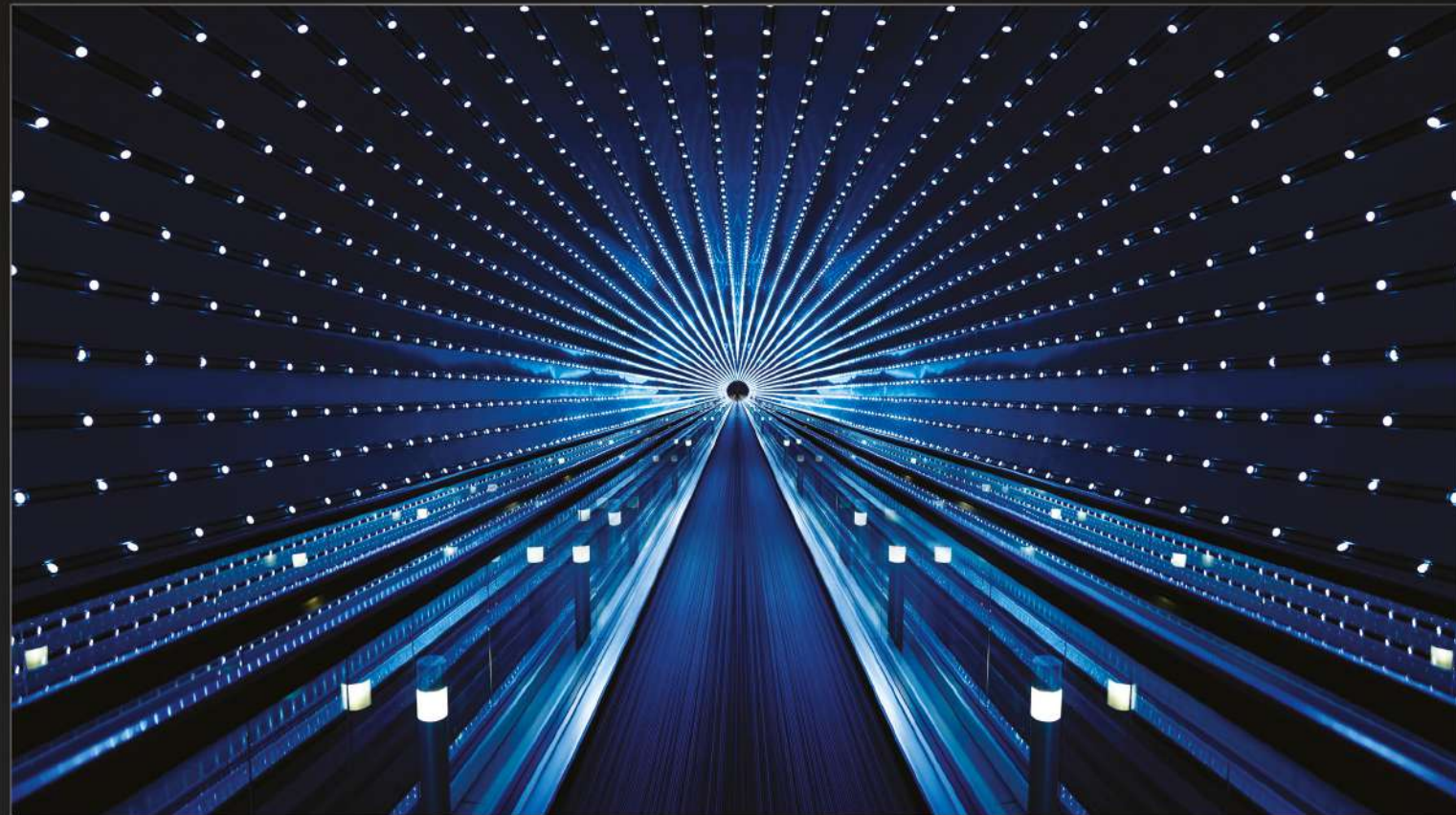


SAMSUNG

SAMSUNG

The Wall
All-in-One

Adopt a new paradigm for your business



The Wall: Transform your everyday meeting experience

Innovation is never static. To strive for perfection requires a constant pursuit of greatness. To inspire and captivate with unrivaled experiences.

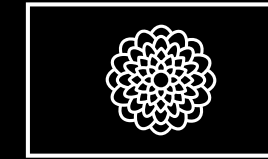
The Wall is the epitome of innovation. It constantly delivers new avenues to create unparalleled visual statements. Redefining the LED paradigm once again, The Wall now solves the biggest industry challenge, drastically improving installation.

The Wall, let it transform your business.

Features

Offering world-class picture quality while innovating the installation process, The Wall delivers a complete and unforgettable visual experience unlike any other.

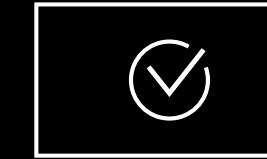
01



Ultimate picture quality

- Deeper black color and contrast
- Vivid, vibrant color purity
- AI optimized visuals
- Accurate color mapping and grayscale expression
- Advanced picture refinement and dynamic range
- Smooth, judder-free visuals

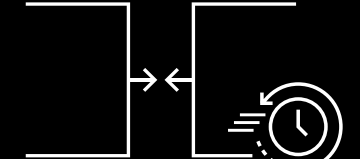
02



Simple choice

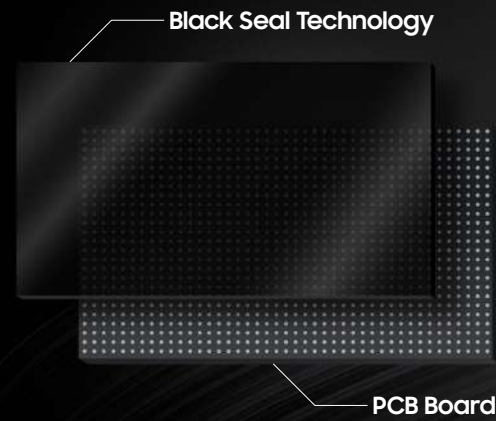
- Two sizes and two resolution options
- All-inclusive components

03



Quick installation

- Installation within 2 hours for 2 people
- Auto configuration setup



An abyss of depth

Black Seal Technology

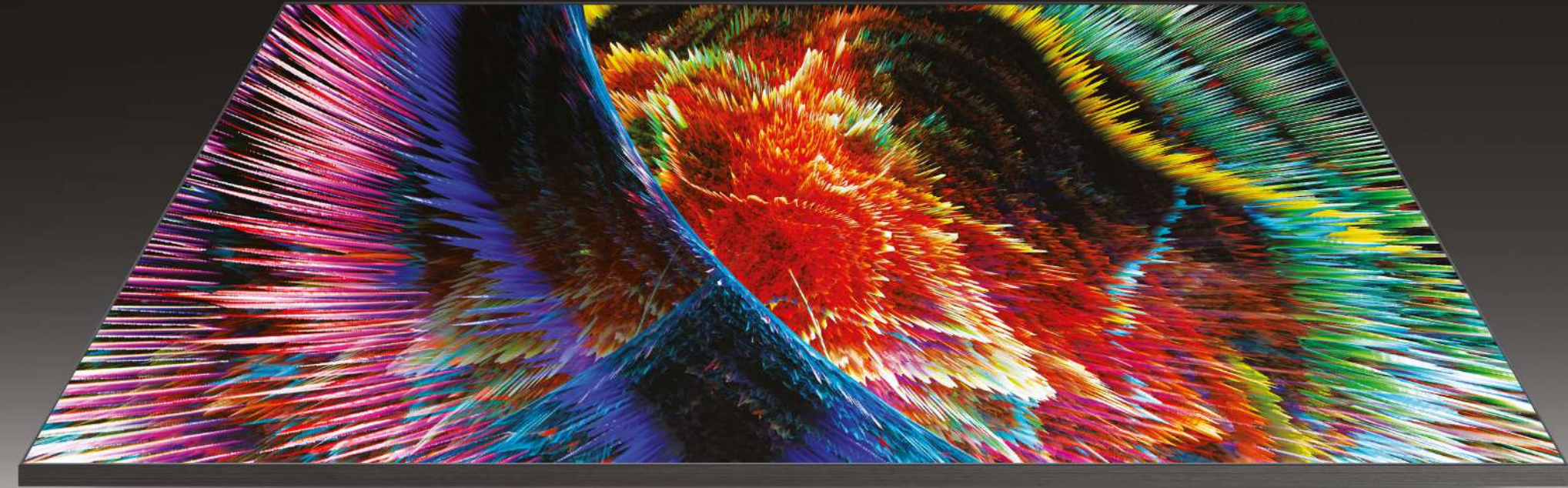
A deep black background blankets the screen with perfect uniformity, creating a seamless canvas for purer black levels with enhanced depth that delivers unparalleled contrast and immaculate detail.

Superior color purity

Ultra Chroma Technology

Colors leap to life with spectacular vibrancy to recreate scenes as if you were there in real life. 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.



The installation process, reinvented

Pre-assembled Installation

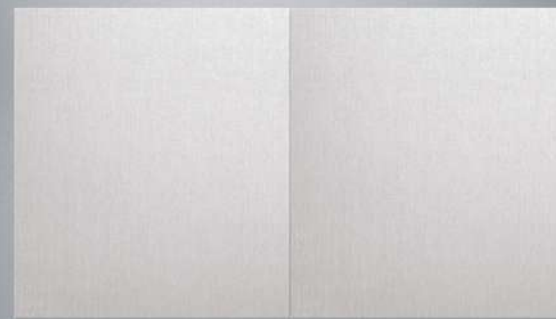
The Wall All-in-One drastically simplifies installation by docking the background plates and hanging just three or four preset modules, depending on the display size. Installation now takes only two hours for two people to complete the screen.

* The Wall All-in-One 110-inch model requires three preset modules. The 146-inch model requires four preset modules.
* Install time estimate based on internal testing.

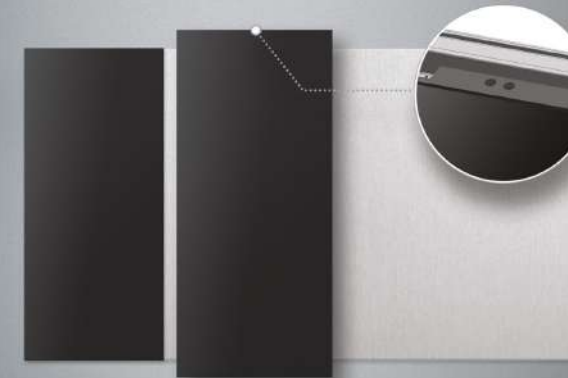
Step 1 Mount the wall brackets



Step 2 Dock the background plates

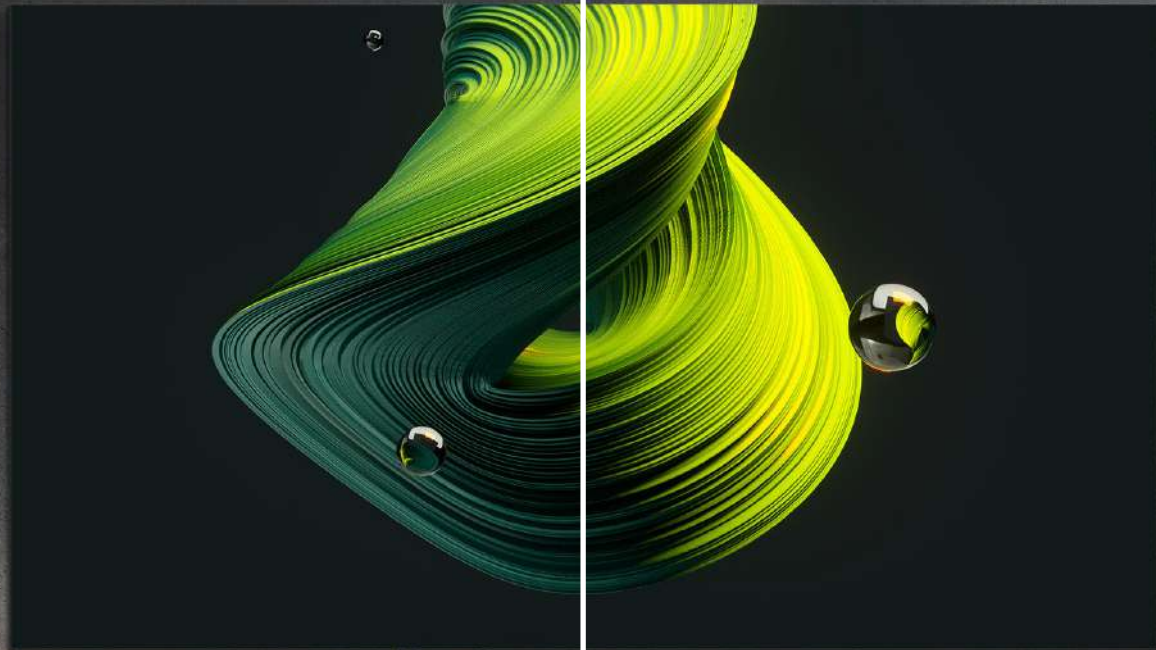


Step 3 Hang 4 preset modules



Step 4 Complete the install in 2 hours





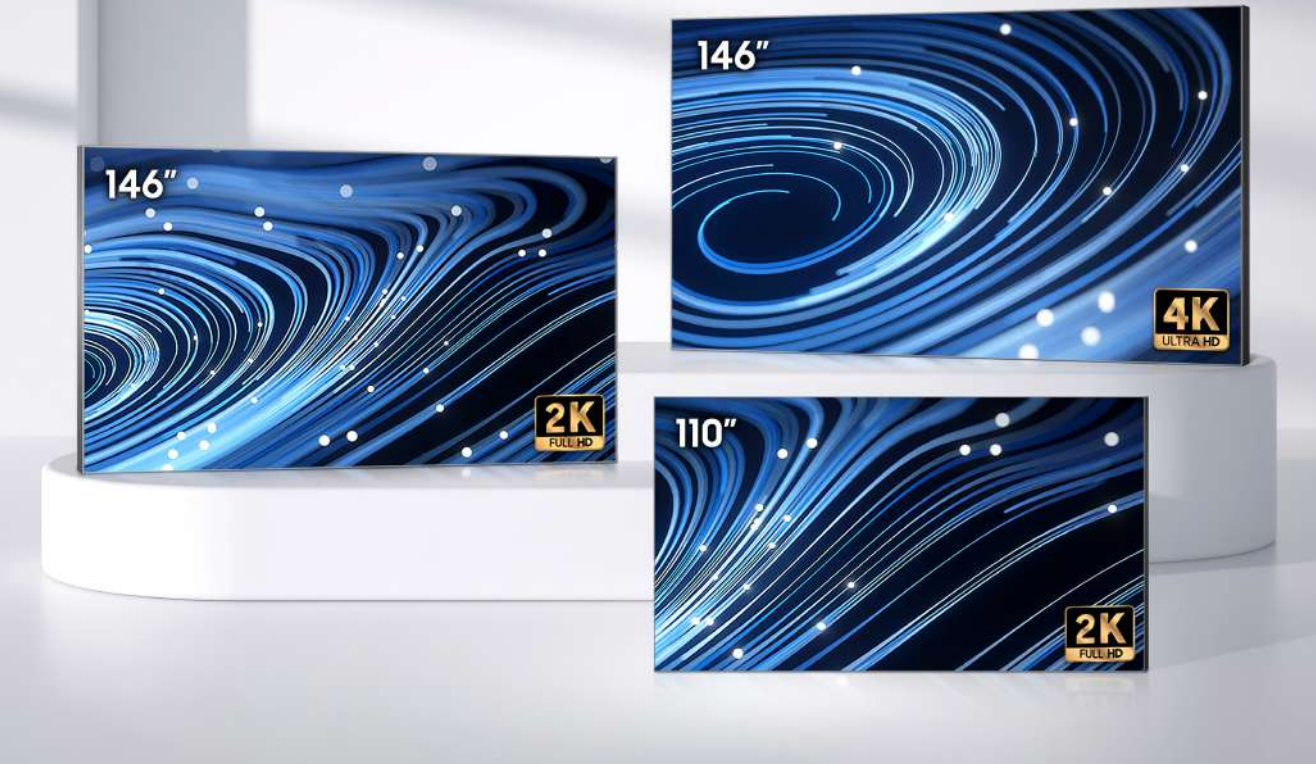
Conventional LED
External Control Box

The Wall All-in-One
Built-in Control Box

Auto configuration setup

Built-in Control Box

Time-consuming configuration between control box and cabinet is no longer needed. The Wall All-in-One integrates the control box so it's built-into the display, eliminating a cumbersome configuration process to get the display up and running faster.



Critical decisions without complexity

Simple Choice

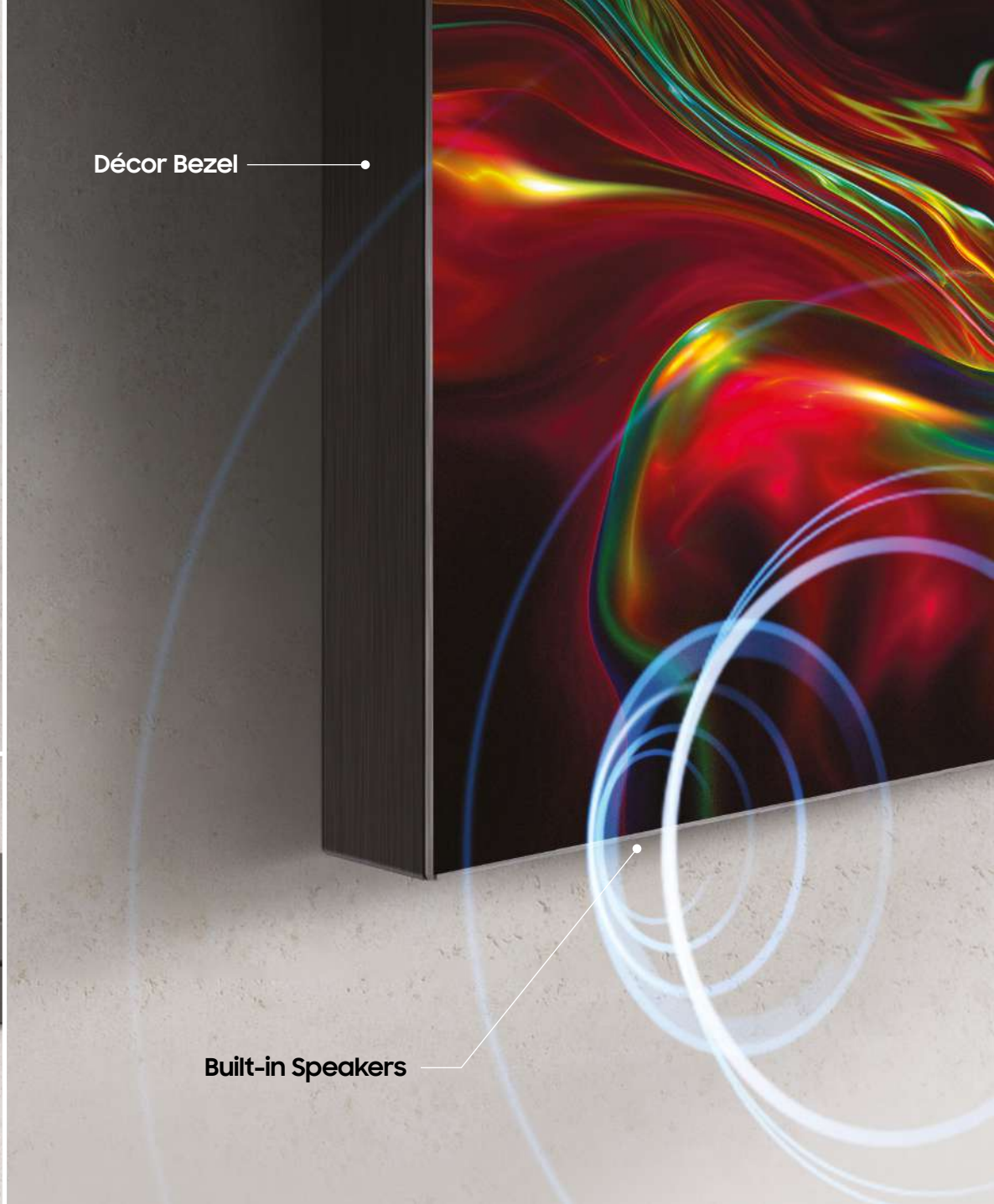
The Wall All-in-One removes complex elements traditionally associated with LED displays, creating a streamlined purchase path. Now, make purchases based on just two factors – resolution and size – without complications such as pixel pitch or configuration.



**Built-in
Control Box**



Wall Bracket



Décor Bezel

Built-in Speakers

No extra peripherals needed

All-inclusive Components

The Wall All-in-One includes everything you need to begin operations - from the control box and wall brackets to speakers and deco bezels. No additional purchases or components are required, allowing you to focus on getting your display up and running fast.



Conventional LED
16bit processing

The Wall All-in-One
20bit processing

Colors mapped to perfection

20bit Processing

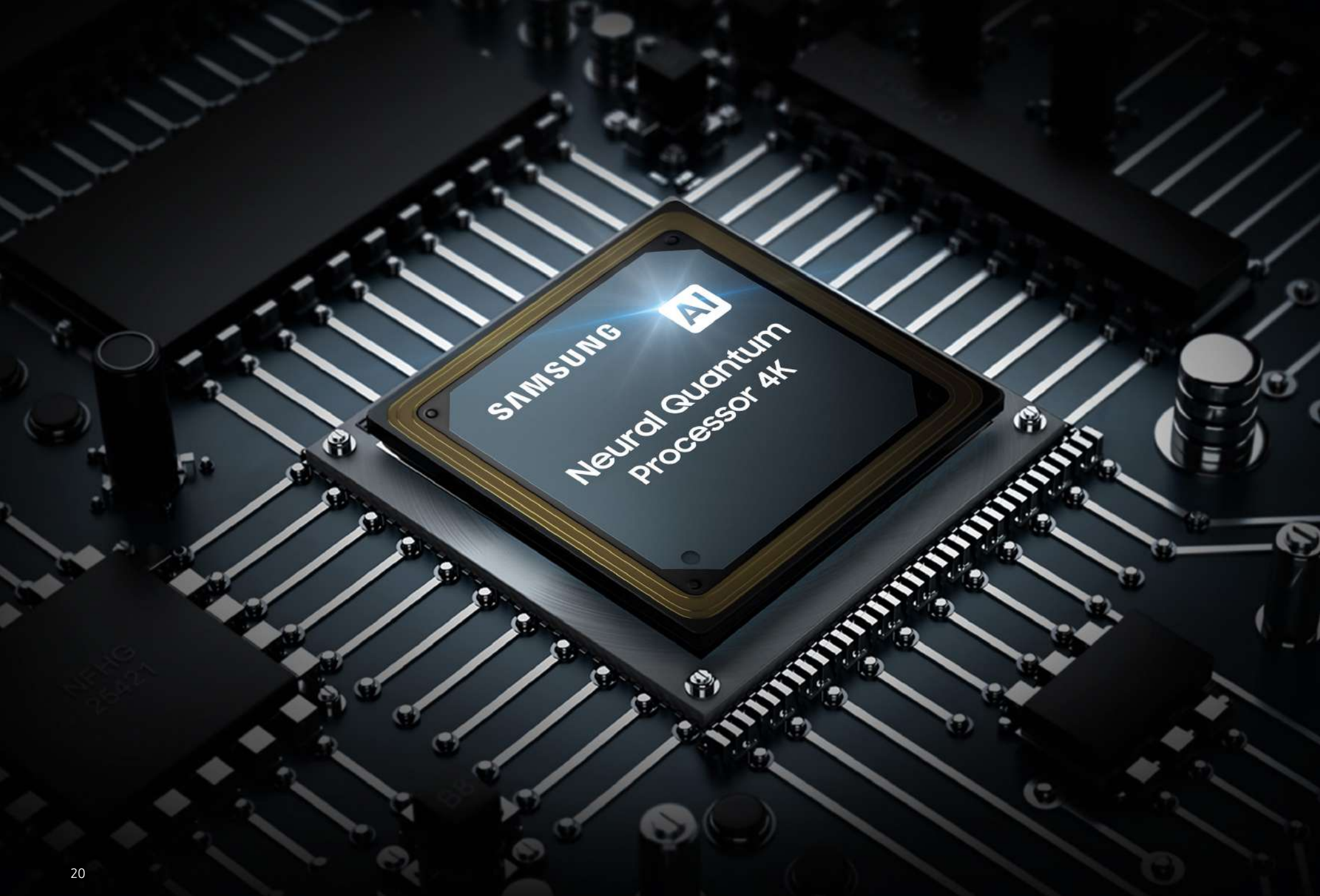
The Wall All-in-One offers 20bit processing to present exact color mapping with faultless accuracy. Deeper bit depth at low grayscale also delivers extraordinary contrast ratio and smooth, natural tones.



Continuous natural shading

Linear Grayscale

A precise linear grayscale showcases intricacies in every scene, delivering textures, volume and continuous shadow details. The elevated continuity pulls you further into your content for unbroken immersion.



Instant AI optimization

Neural Quantum Processor 4K

Every second of content is instantly analyzed and optimized for perfect picture quality. The powerful AI processor delivers superior visuals in any size up to 4K* resolution, enhancing contrast and removing noise.

* The upscaling resolution may vary based on the resolution support of individual models.



Conventional LED

The Wall All-in-One

Dazzling dynamic range

MICRO HDR

Reimagine the limits of conventional screens with advanced HDR picture refinement technology to illuminate ideal peak brightness and contrast in every scene for precise, true-to-life imagery.

* HDR support may vary depending on viewing conditions and specifications.



Smooth, seamless motion

MICRO Motion

Every motion becomes sharper, with greater clarity. The Wall All-in-One automatically converts standard 60Hz signals to 120Hz, removing motion judder in fast-paced action for smoother streams and a seamless viewing experience, every time.

Business applications

The Wall All-in-One illuminates the value of your business.

Meeting room









CEO Office



Corporate Lobby



About our company

It is an American IT company established on December 1, 2007. It designs, develops, manufactures and sells hardware, software and online services.

←
Office &
Meeting room





Auditorium

Luxury Retail



Specifications

Model	IAB			
	146" 4K	146" 2K	110" 2K	
Physical Parameter	Pixel Pitch	0.84 mm	1.68 mm	1.26 mm
	Diode Type	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED
	Screen Size (LxHxD)	3,225.6 x 1,814.4 x 49.5 mm	3,225.6 x 1,814.4 x 49.5 mm	2,423.1 x 1,364.4 x 49.5 mm
Optical Parameter	Screen Weight	160 kg	160 kg	99 kg
	Brightness (Peak/Max) ⁽¹⁾	1,600 nit / 500 nit	1,400 nit / 500 nit	1,600 nit / 500 nit
	Contrast Ratio ⁽²⁾	24,000 : 1	22,000 : 1	24,000 : 1
	HDR Compatibility	LED HDR / HDR10 support / AI Picture	LED HDR / AI Picture	LED HDR / AI Picture
	Viewing Angle (Horizontal / Vertical)	170° / 155°	170° / 155°	170° / 155°
Electrical Parameter	Bit Depth	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)	16 bit (Internal processing 20bit)
	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	1700 (W/Screen)	1240 (W/Screen)	900 (W/Screen)
	Power Consumption - Typ	1100 (W/Screen)	860 (W/Screen)	650 (W/Screen)
	Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz
	Visual Refresh Rate	7,680 Hz	7,680 Hz	7,680 Hz
Operational Parameter	Power Redundancy	No	No	No
	Working Temperature / Humidity	0°C~+40°C / 10%~80%RH	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	-20°C~+45°C / 5%~95%RH
	IP Rating	IP20	IP20	IP20
Connectivity / Sound	LED Lifetime	150,000 hours	150,000 hours	150,000 hours
	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
	WiFi / BT	O / O	O / O	O / O
	External Control	RS232C(in), RJ45	RS232C(in), RJ45	RS232C(in), RJ45
	Speaker	10W 2ch	10W 2ch	10W 2ch
Certification	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
	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5
Features	MagiCINFO	Yes	Yes	Yes
	Sensor	Temperature, Eco Sensor	Temperature, Eco Sensor	Temperature, Eco Sensor
	Other SW Features	Workspace (Microsoft365/VMWare/RDP), Auto Source Switching & Recovery, Dicom Simulation Mode, SmartView+(PC)		
Accessories	Accessories (in-box)	Décor Frame, Frame Kit, Buffer parts (18 Modules, 1 T-Con, 1 SMPS)		
	Remote Control	IR Remote Cotroller	IR Remote Cotroller	IR Remote Cotroller
Special Installation	Other ⁽³⁾	Side by Side Installation with additional frame kit (up to 4 screens)		

(1) Peak value according to IDMS (Information Display Measurement Standard)
 (2) Measured under 10lux light Test condition. Contrast in darkroom exceeds 1000000:1
 (3) optional structure required

Size

110" Width x Height x Depth 2,419.2 x 1,360.8 x 49 mm



146" Width x Height x Depth 3,225.6 x 1,814.4 x 49 mm



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Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

LED Signage

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

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