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EMPOWERING BUSINESS FORWARD

Samsung SMART Signage
Extreme Narrow Bezel Videowall
UHF-E/UHN-E/UMH-E/UMN-E series

Foster an Immersive, Near-Seamless Viewing Experience

Highlights

- Extreme narrow-bezel (1.7mm.) design maximizes visibility even at close distances
- Non-glare panels deliver clear imagery under ambient lighting
- Advanced factory tuning and calibration showcase content with near-perfect uniformity
- Mobile solution provides a quick and easy, cost-efficient video wall calibration through a mobile camera
- Daisy-chaining technology extends content presentation capabilities without requiring external equipment
- Optional wall mount allows for easier installation and disjoint.
- Durable composition ensures messages run clearly and continuously

SAMSUNG

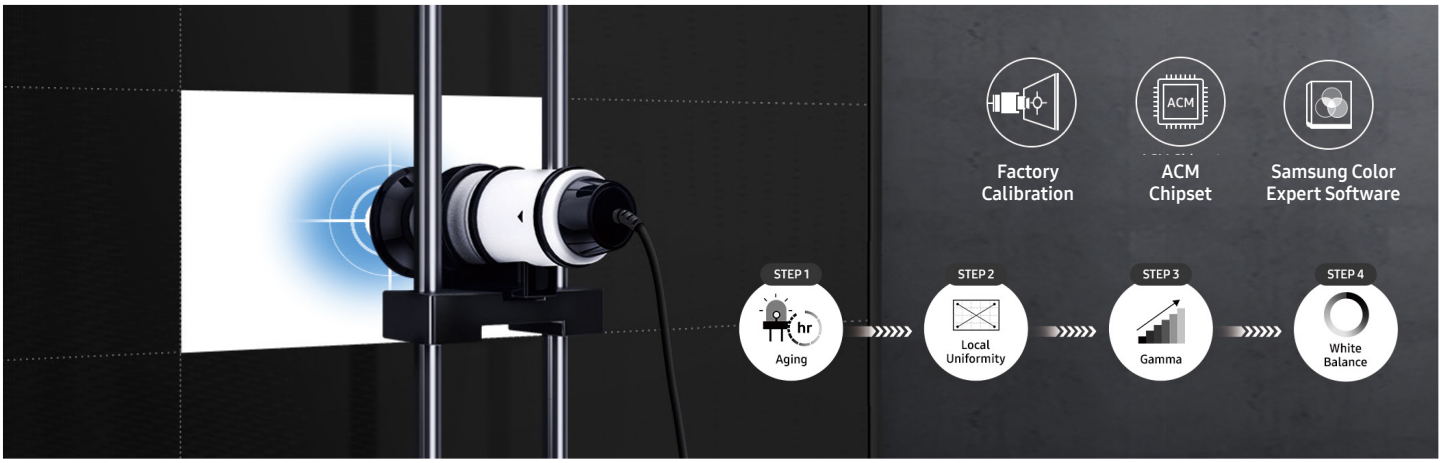
Key features

Deliver visual impact through a distraction-free display

Samsung's extreme narrow bezel video wall features bezel –to-bezel width of 1.7mm that minimizes the visual distraction of video walls to elicit impacting imagery of products and services. The display produces a near-seamless picture across multiple screens without interruption, generating opportunities to captivate and impress customers.

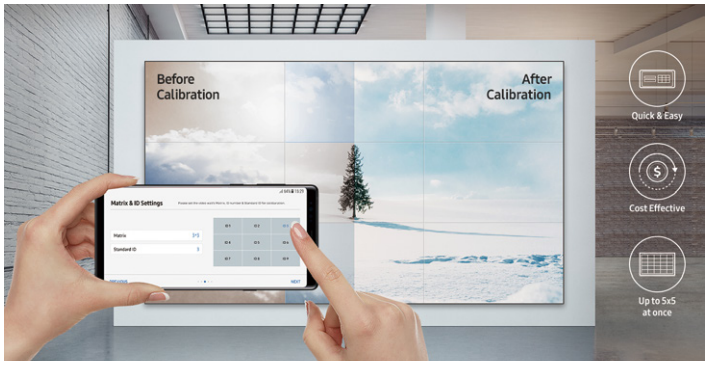
Amplify image clarity in any environment

Combined with a non-glare panel, the extreme narrow bezel video wall display is designed to help businesses create memorable content presentation even under ambient light. This panel evenly distributes light throughout the screen, eliminating glare while maintaining content vibrancy and accuracy.



Share accurate and uniform promotional content

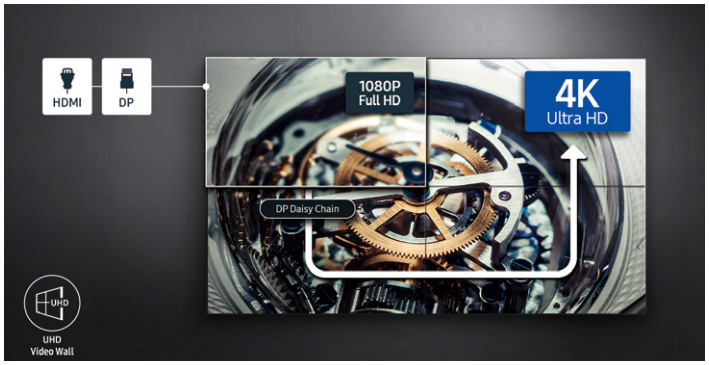
Samsung's multi-step factory calibration process tunes video wall displays to the highest-performing uniform brightness and color throughout multiple displays. In addition to rigorous factory calibration, users can also manage brightness and color uniformity with Samsung Color Expert Pro, a powerful free software program. Through these advanced color management solutions, the video walls enable large-scale presentations to feature superior uniformity, consistency and performance for the ultimate in color expression.



Save time and money through easy mobile calibration

Samsung's Color Expert Pro Mobile solution provides a quick and easy video wall calibration through a mobile camera. With the solution's intuitive UI, even non-expert users can adjust up to 5x5 video wall's white balance simultaneously without the need for additional equipment.

* Some of the models may require the use of additional PC and Color Expert Pro software to calibrate the screens.
* Samsung Color Export Pro Mobile is only available on certain smartphone models.



Extend content presentation capabilities without the expense

Samsung's video wall offers a powerful UHD viewing experience with minimal effort or additional equipment. As the first in the industry to have up to 5x5 wall configuration based on the use of DisplayPort 1.2 and HDMI ports, the display can project UHD content across multiple screens simultaneously.

Enjoy continuous, uninterrupted performance

Samsung's extreme narrow bezel video walls are engineered for long-term performance, eliminating maintenance expenses for users. The display features durable panels that offset backlight discrepancies while simultaneously protecting the display against heat and dust exposure.

Vivid and reliable content delivery for business

Designed to maintain performance in various indoor environment conditions, Samsung's video wall produces an engaging viewing experience with the elevated contrast ratios and brightness. With continuous 24/7 operations, the display enables vivid and reliable content delivery for every business need.

All-in-one box delivers cost-efficient, yet robust usability

Backed by a Quad Core CPU, Signage Player Box allows for multi-source switching and a media player to coexist in a single box. Leveraging the embedded Samsung SMART Signage Platform, the box transforms video walls for faster information processing and easy content management with MagicINFO solution.

Highly configurable wall mounts adaptive to your desired layout

The user-friendly special wall mounts ensure easy installation of video walls through minimal steps. Sized to the dimensions of the video wall, the wall mount allows users to install the mount first and fit into the video wall, eliminating tedious efforts to measure and adjust the wall mount size.

Specifications

Model			UH55F-E	UM55H-E	UH46N-E	UM46N-E
Panel	Diagonal Size	Class	55"	55"	46"	46"
		Measured	54.6" / 138.7cm	54.6" / 138.7cm	45.9" / 116.8cm	45.9" / 116.8cm
	Type		D-LED DID	D-LED DID	D-LED DID	D-LED DID
	Resolution		1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Pixel Pitch (mm)		0.63mm(H) x 0.63mm(V)	0.63mm(H) x 0.63mm(V)	0.53025mm(H) x 0.53025mm(V)	0.53025mm(H) x 0.53025mm(V)
	Active Display Area		1209.6 x 680.4mm	1209.6 x 680.4mm	1018.08mm x 572.67mm	1018.08mm x 572.67mm
	Brightness		Max 700 cd/m²	Max 500 cd/m²	Max 700 cd/m²	Max 500 cd/m²
	Contrast Ratio		4000:1	4000:1	4000:1	4000:1
	Viewing Angle(H/V)		178/178	178/178	178/178	178/178
	Response Time(G-to-G)		8ms	8ms	8ms	8ms
	Display Colors		8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M
	Color Gamut		72%	72%	72%	72%
	Operation Hour		24/7	24/7	24/7	24/7
	Haze		25% (Outer Haze 23%)	25% (Outer Haze 23%)	25% (Outer Haze 23%)	25% (Outer Haze 23%)
Display	Dynamic C/R		MEGA DCR	MEGA DCR	MEGA DCR	MEGA DCR
	H-Scanning Frequency		30kHz ~ 81kHz	30kHz ~ 81kHz	30kHz ~ 81kHz	30kHz ~ 81kHz
	V-Scanning Frequency		48Hz ~ 75Hz	48Hz ~ 75Hz	48Hz ~ 75Hz	48Hz ~ 75Hz
	Maximum Pixel Frequency		148.5MHz	148.5MHz	148.5MHz	148.5MHz
Sound	Speaker Type		N/A	N/A	N/A	N/A
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D, Display Port 1.2	Analog D-SUB, DVI-D, Display Port 1.2	Analog D-SUB, DVI-D, Display Port 1.2	Analog D-SUB, DVI-D, Display Port 1.2
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade
	OUTPUT	RGB	DP1.2(Loop-out)	DP1.2(Loop-out)	DP1.2(Loop-out)	DP1.2(Loop-out)
		VIDEO	N/A	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45
	EXTERNAL SENSOR		Detachable type(IR, Ambient)	Detachable type(IR, Ambient)	Detachable type(IR, Ambient)	Detachable type(IR, Ambient)
	Tuner		N/A	N/A	N/A	N/A
Power	Type		Internal	Internal	Internal	Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	Max[W/h]	297	143	187	143
		Typical[W/h]	180	120	102	79
		BTU(Max)	1013	1013	638	488
		Sleep Mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
		Off Mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Mechanical Spec	Dimension (mm)	Set	1211.6 x 682.4 x 96.3	1211.6 x 682.4 x 96.3	1020.0 x 574.6 x 96.3	1020.0 x 574.6 x 96.3
		Package	1355 x 809 x 320	1355 x 809 x 320	1153 x 719 x 295	1153 x 719 x 295
	Weight (kg)	Set	21.0kg	21.0kg	15.7kg	15.7kg
		Package	28.2kg	28.2kg	21.6kg	21.6kg
	VESA Mount		600 x 400 (mm)	600 x 400 (mm)	600 x 400 (mm)	600 x 400 (mm)
	Protection Glass		N/A	N/A	N/A	N/A
	Stand Type		N/A	N/A	N/A	N/A
	Bezel Width (mm)		1.15mm(U/L), 0.55mm(R/B)	1.15mm(U/L), 0.55mm(R/B)	1.15mm(U/L), 0.55mm(R/B)	1.15mm(U/L), 0.55mm(R/B)
Operation	Operating Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Humidity		10~80%	10~80%	10~80%	10~80%
Feature	Key		Extreme Narrow Bezel			
	Special		ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 25%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(80hrs Clock Keeping)			
Certification	Safety		UL (USA) : UL 60950-1 / CSA (Canada) : CSA C22.2 No. 60950-1 / TUV (Germany) : EN60950-1 / NEMKO (Norway) : EN60950-1 / KC (Korea) : K60950-1 / CCC (China) : GB4943.1-2011 / PSB (Singapore) : IEC60950-1 / GOST (Russia) : IEC60950-1, EN55022 / SIQ (Slovenia) : IEC60950-1, EN55022 / PCBC (Poland) : IEC60590-1, EN55022 / NOM (Mexico) : NOM-019-SCFI-1993 / IRAM (Argentina) :IEC60950-1 / SASO (Saudi Arabia) : IEC60950-1			
	EMC		FCC (USA) FCC Part 15, Subpart B class A / CE (Europe) EN55022, EN55024 / VCCI (Japan) V-3 (CISPR22) / KCC (Korea) : KN22, KN24 / BSMI (Taiwan) : CNS13438 (CISPR22) / C-Tick (Australia) : AS/NZS3548 (CISPR22) / CCC(China) :GB9254-2008, GB17625.1-2012			
	IP rating		N/A			
	Environment		N/A			
Accessories	Included		Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries			
	Optional	Stand	N/A			
		Mount	WMN-55VD	WMN-55VD	WMN-46VD	WMN-46VD
		Specialty	N/A			
	Media Player Option Type		SBB(Slide In), Signage player box			

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SMART Signage

For more information about Samsung SMART Signage Video Wall Displays, visit
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