



## SAMSUNG SMART SIGNAGE EXTREME NARROW BEZEL VIDEO WALL UHF-E/UMH-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
- Compact design enables convenience daisy-chaining without requiring external equipment
- Advanced factory tuning and calibration showcase content with near-perfect uniformity
- Durable composition ensures messages run clearly and continuously



## KEY FEATURES



### DELIVER VISUAL IMPACT THROUGH A DISTRACTION-FREE DISPLAY

Samsung's new video wall features an extreme narrow-bezel (1.7mm.) that produces a near-seamless picture across multiple screens without interruption, generating opportunities to captivate customers.



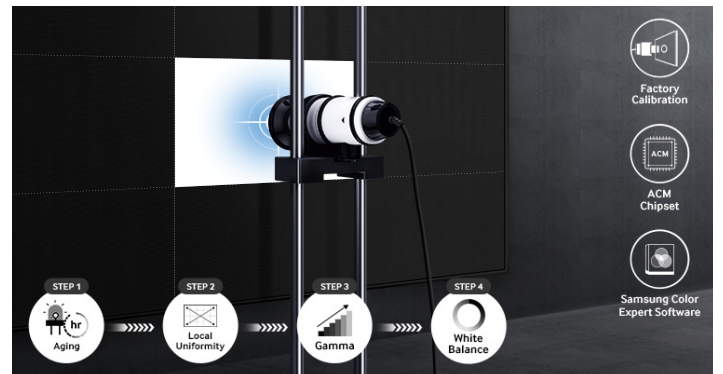
### AMPLIFY IMAGE CLARITY IN ANY ENVIRONMENT

The displays' non-glare panel optimizes content presentation even under ambient lighting. This panel evenly distributes light throughout the screen, eliminating glare while maintaining content vibrancy and accuracy.



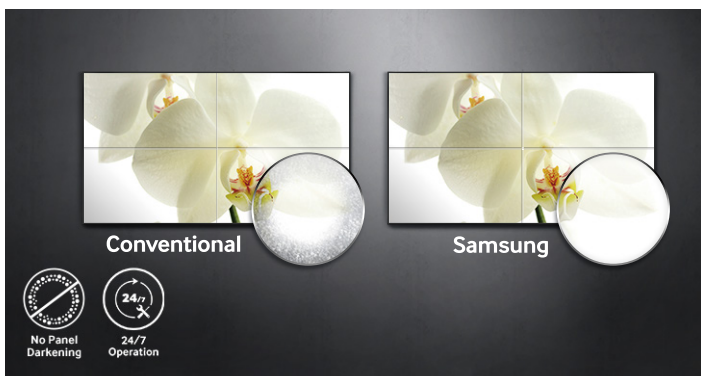
### EXTEND CONTENT PRESENTATION CAPABILITIES WITHOUT THE EXPENSE

Users can configure the displays into daisy chains as large as 5x5 without requiring expensive external graphic cards or UHD splitters. Samsung's displays instead use Display Port (DP) 1.2 and HDMI ports to support advanced video interfaces and elevate content with resolution as high as 4K.



### SHARE ACCURATE AND UNIFORM PROMOTIONAL CONTENT

Thanks to rigorous pre-distribution calibration, video wall users can enjoy uniform brightness and color. This proactive calibration process increases the display's contrast ratio while minimizing the impact of the screen darkening and light leakage, producing compelling content at nearly 90 percent local uniformity accuracy.



### 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.



### MAXIMIZE EFFICIENCY THROUGH AN ALL-IN-ONE SOLUTION

Users additionally can strengthen their displays' performance and streamline core functionality via a range of compatible enhancements:

- **Specialized Wall Mounts** improve overall display aesthetics while also condensing installation time.
- **Samsung's Signage Player Box** drives seamless multi-source switching within a single box.

# SPECIFICATIONS

MODEL			UH55F-E	UM55H-E
Panel	Diagonal Size	Class	55"	55"
		Measured	54.6" / 138.7cm	54.6" / 138.7cm
	Type		D-LED DID	D-LED DID
	Resolution		1920*1080	1920*1080
	Pixel Pitch(mm)		0.63mm(H) * 0.63mm(V)	0.63mm(H) * 0.63mm(V)
	Active Display Area(mm)		1209.6 * 680.4mm	1209.6 * 680.4mm
	Brightness		Max 700 cd/m2	Max 500 cd/m2
	Contrast Ratio		4000:1	4000:1
	Viewing Angle(H/V)		178/178	178/178
	Response Time(G-to-G)		8ms	8ms
	Display Colors		8 bit - 16.7M	8 bit - 16.7M
	Color Gamut		72%	72%
	Operation Hour		24/7	24/7
	Operation Hour		25% (Outer Haze 23%)	25% (Outer Haze 23%)
Display	Dynamic C/R		MEGA DCR	MEGA DCR
	H-Scanning Frequency		30kHz ~ 81kHz	30kHz ~ 81kHz
	V-Scanning Frequency		48Hz ~ 75Hz	48Hz ~ 75Hz
	Maximum Pixel Frequency		148.5MHz	148.5MHz
Sound	Speaker Type		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
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2
		AUDIO	Stereo mini Jack	Stereo mini Jack
		USB	Only F/W upgrade	Only F/W upgrade
	OUTPUT	RGB	DP1.2(Loop-out)	DP1.2(Loop-out)
		VIDEO	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45
EXTERNAL SENSOR		Detachable type(IR, Ambient)	Detachable type(IR, Ambient)	
Tuner		N/A	N/A	
Power	Type		Internal	Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	Max[W/h]	297	297
		Typical[W/h]	180	180
		BTU(Max)	1013	1013
		Sleep Mode	less than 0.5W	less than 0.5W
Off Mode	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
		Package	1355 x 809 x 320	1355 x 809 x 320
	Weight (kg)	Set	21.0kg	21.0kg
		Package	28.2kg	28.2kg
	VESA Mount		600 * 400 (mm)	600 * 400 (mm)
	Protection Glass		N/A	N/A
	Stand Type		N/A	N/A
Bezel Width (mm)		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
	Humidity		10~80%	10~80%

# SPECIFICATIONS

MODEL			UH55F-E	UM55H-E
Feature	Key		Extreme Narrow Bezel	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)	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)
	Internal Player (Embedded H/W)	Processor	N/A	N/A
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	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	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
	Environment		N/A	N/A
accessories	Included		Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries
	optional	Stand	N/A	N/A
		Mount	WMN-55VD	WMN-55VD
		Specialty	N/A	N/A
Media Player Option Type		SBB(Slide In), Signage player box	SBB(Slide In), Signage player box	

## About Samsung Electronics Co., Ltd.

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, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit Samsung Newsroom at <http://news.samsung.com>.

## SMART Signage

For more information about Samsung SMART Signage Video wall Display, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

Copyright © 2017 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd.  
416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772, Korea



**SAMSUNG**