




* All images in this datasheet are for illustrative purposes only.

Video Wall 55VSM5J-H

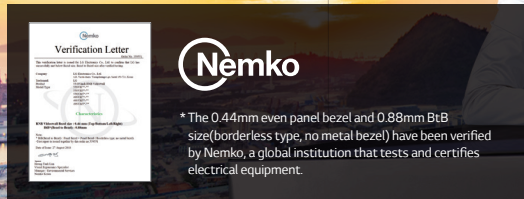
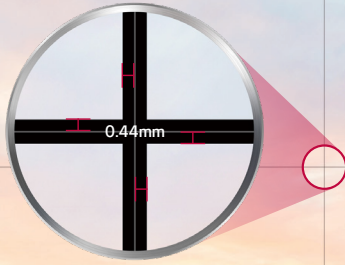
0.44mm Even Bezel Video Wall

 Ultra-Narrow Bezel

 Wide Viewing Angle

 Easy Color Adjustment

 Efficient Operation



0.44mm Even Bezel

The razor-thin bezel – 0.44 mm even bezel and 0.88 mm bezel-to-bezel – which has been verified by Nemko*, makes content look like the actual original image with ultra-narrow 0.8mm seams between screens. Beautifully assembled on a large video wall screen, the 55VSM5J-H will provide an immersive experience to viewers.

VIVID AND DYNAMIC PICTURE QUALITY



50° High Viewing Angle*

Higher Viewing Angle

Large screens are usually positioned higher than human-eye level, making uniform picture quality essential for video walls. The viewing angle of the 55VSM5J-H is high enough to display vivid colors throughout the screen with no distortion.



Wide Viewing Angle

It is well known that LG IPS panel technology enables better control of liquid crystals, which in turn allows the screen to be viewed from virtually any angle. Because of this, the 55VSM5J-H captures the attention of and captivates more viewers with lifelike colors, regardless of their viewing position.

* Results based on in-house testing. Actual test results may differ depending on environment and measuring equipment.

* All images are for illustrative purposes only.

VIVID AND DYNAMIC PICTURE QUALITY



Uniform Color Expression

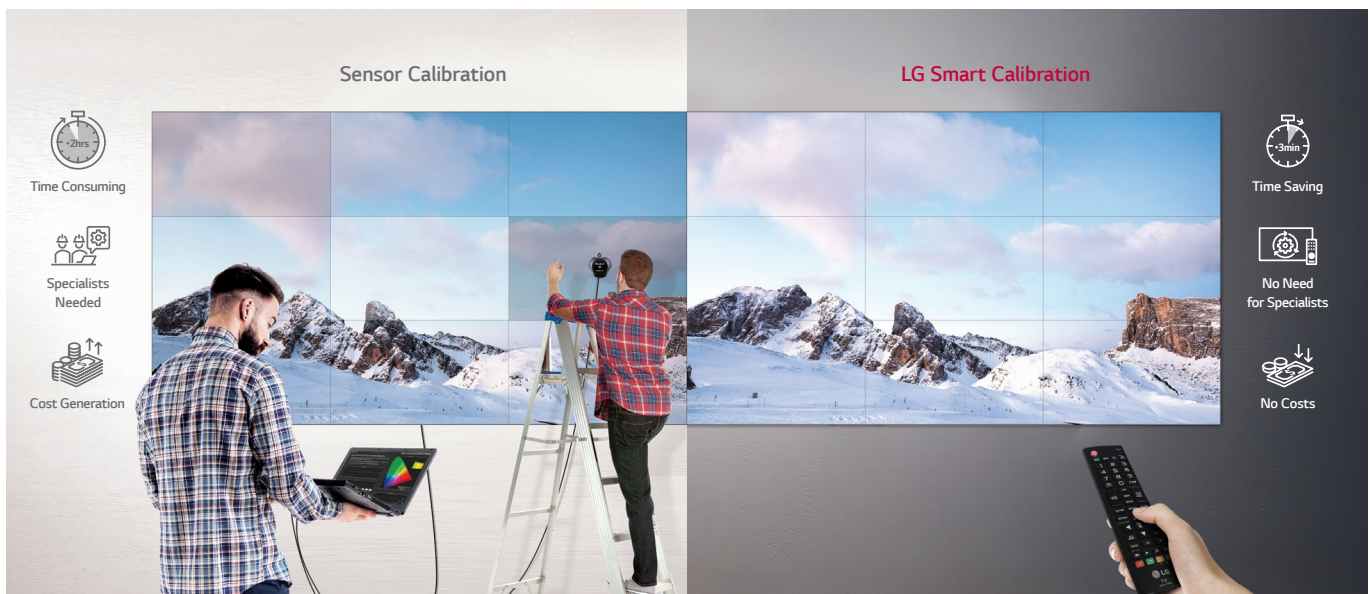
Poor uniformity around bezel boundaries can give the corners a darker appearance, which doesn't look good on a large screen. However, the 55VSM5J-H has enhanced uniformity, even within the four corners of the display, to deliver vivid and consistent color throughout the screen.

* Uniformity among 13 points of the screen. Results based on in-house testing. Actual test results may differ depending on environment and measuring equipment.



Image Gap Reduction

The 55VSM5J-H includes an image improvement algorithm that can reduce perceived image gaps among tiled displays when playing back videos. Objects located on the bezel boundaries are adjusted for a seamless viewing experience.



Smart Calibration

Smart Calibration is a solution that analyzes not only the color* property differences within each individual display but also the differences between connected displays. With just few simple clicks of a remote control, this calibration process can be done in a matter of minutes. In addition, calibration can be set to automatically occur at regular intervals to always deliver optimum image quality.

*Manual calibration can be done if the user feels there are color differences after smart calibration.

VIVID AND DYNAMIC PICTURE QUALITY



Clear View with Non-glare Panel

Viewers can be annoyed by unnecessary light reflection when watching a screen under bright conditions. The 55VSM5J-H has resolved such inconveniences by increasing the level of haze to 28%, which enhanced visibility and text readability.

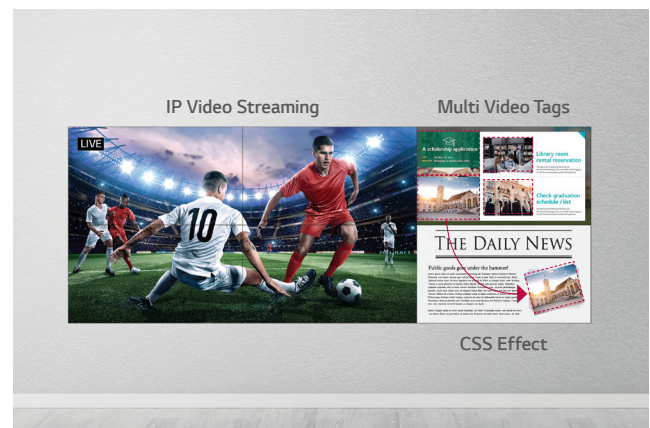
POWERFUL SMART SIGNAGE PLATFORM



High Performance and Great Scalability

Thanks to its built-in system-on-chip and webOS smart signage platform, 55VSM5J-H series can execute several tasks at once while providing smooth content playback without the need for a media player. As webOS supports HTML5 as a web-based platform and offers a software development kit (SDK), it is even easier for system integrators to build and optimize their web apps.

* SDK can be downloaded with the link below.
(<https://webosignage.developer.lge.com>)

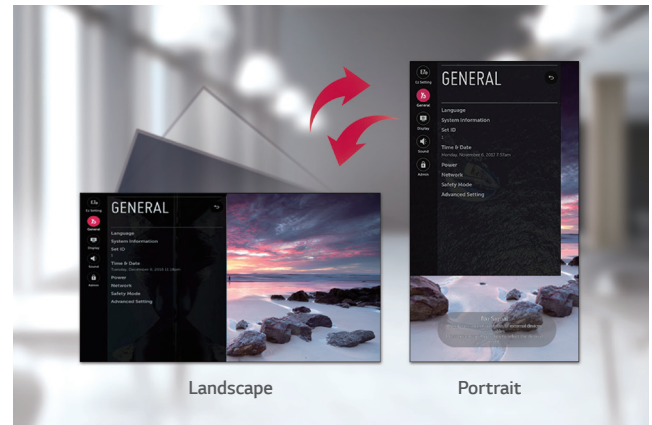


Flexible Content Creation

Four different videos can be played simultaneously via web apps, and various animation effects, such as scaling or rotating, are added to content using CSS (Cascading Style Sheets) transition effects. Real-time streaming* is also available, providing the flexibility to organize and diversify content free from capacity limits.

* Supported protocols: RTSP, RTP, HLS, UDP Multicast

USER-FRIENDLY SMART SIGNAGE USER INTERFACE



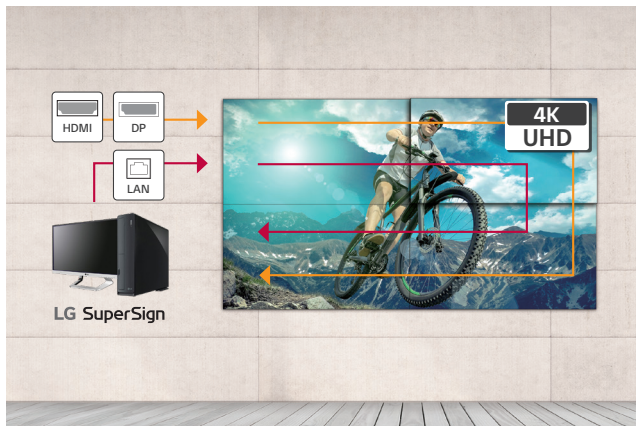
Intuitive Menu Structure

The menu structure has been optimized for commercial use. It simplifies approach flows and groups similar functions together, adopting a more intuitive GUI for ease of use. This way, users can avoid having to do trial-and-error when exploring desired functions and managing displays.

Dedicated User Interface for Portrait

The conventional user interface was designed based on landscape-oriented consumer TV usage, so the onscreen display menu wasn't well-suited for screens in portrait mode. The onscreen display of the 55VSM5J-H, however, consists of a long range menu with bigger font sizes and a 9:16 aspect ratio, creating a comfortable and efficient business environment.

USER CONVENIENCE



Daisy Chain Capability

A LAN daisy chain allows you to control and monitor video walls and even update their firmwares at once. Also, through UHD daisy chain using HDMI and DisplayPort, you can easily set up a UHD video wall without the need of DisplayPort MST or Matrox graphics card.

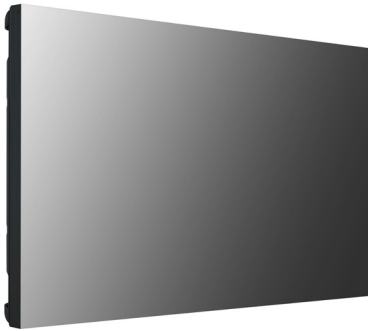


Real-Time LG ConnectedCare

Maintenance is easy and fast with the optional LG ConnectedCare* service, a cloud service solution provided by LG. It remotely manages the status of displays in client workplaces for fault diagnosis and remote-control services, enabling the stable operation of clients' businesses.

* LG ConnectedCare is the brand name of LG Signage365Care Service. The availability differs by region.

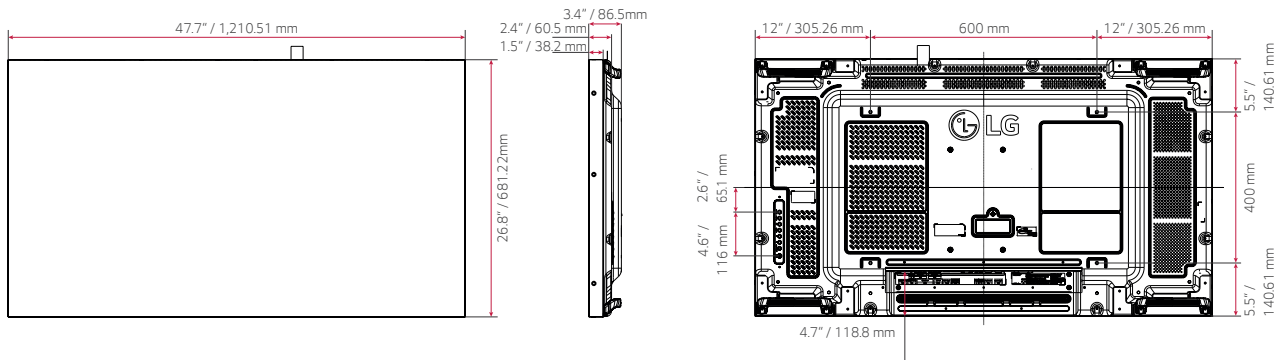
PRODUCT INFORMATION



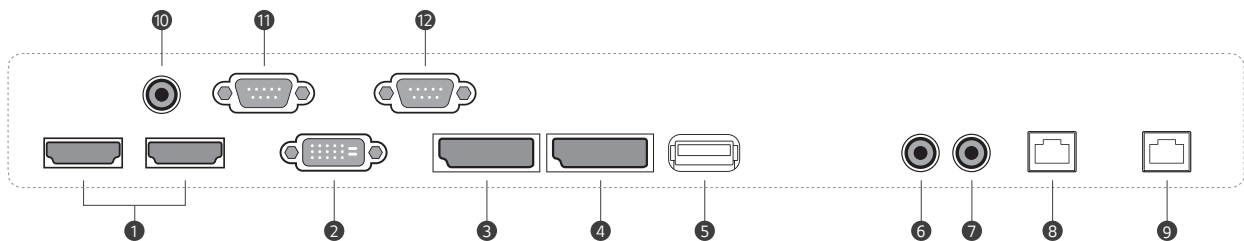
VSM5J

Screen Size	55"
Aspect Ratio	16:9
Native Resolution	FHD (1,920 × 1,080)
Brightness	500 nits
Contrast Ratio	1,100 : 1

DIMENSIONS



CONNECTIVITY



- | | | | |
|------------|--------------|-------------|---------------|
| ① HDMI IN | ④ DP OUT | ⑦ AUDIO OUT | ⑩ IR IN |
| ② DVI-D IN | ⑤ USB 2.0 IN | ⑧ LAN IN | ⑪ RS-232C IN |
| ③ DP IN | ⑥ AUDIO IN | ⑨ LAN OUT | ⑫ RS-232C OUT |

* Dimensions & Jack Panels may differ from the above image, so please contact LG sales team to verify before ordering.



MODEL	55VSM5J-H	
PANEL	Screen Size	55"
	Panel Technology	IPS
	Back Light Type	Direct
	Aspect Ratio	16:9
	Native Resolution	1920 X 1080 (FHD)
	Refresh Rate	60 Hz
	Brightness	500 nits
	Contrast Ratio	1,100:1
	Dynamic CR	500,000:1
	Color gamut	NTSC 72%
	Viewing Angle(H x V)	178° x 178°
	Color Depth	10 bit, 1.07 Billion colors
	Response Time	8ms (G to G)
	Surface Treatment (Haze)	28%
	CONNECTIVITY IN	Lifetime (Typ)
Operation Hours (Hours/Day)		24/7
Portrait / Landscape		Yes / Yes
Built-in Speaker		No
HDMI		Yes (x2), HDCP2.2
DP		Yes (x1), HDCP2.2
DVI-D		Yes (x1), HDCP1.4
CONNECTIVITY OUT	Audio In	Yes
	RS232C IN	Yes
	RJ45(LAN)	Yes
	IR IN	Yes
	USB	USB2.0 Type A
	DP Out	Yes (Input: HDMI / DVI / DP)
	Audio Out	Yes
MECHANICAL	RS232C OUT	Yes
	RJ45 (LAN)	Yes
	Bezel Color	Black
	Bezel Width	0.44mm Even Bezel
	Weight	40.6 lbs / 18.4 kg
	Shipping Weight	52.0 lbs / 23.6 kg
	Monitor Dimension (W x H x D)	47.7 x 26.8 x 3.4 in 1210.51 x 681.22 x 86.5 mm
	Carton Dimensions (W x H x D) (Box outer size)	53.3 x 33.7 x 10.4 in 1353 x 855 x 263 mm
	Handle	Yes
	VESA™ Standard Mount Interface	600 x 400
	Operation Temperature	32°F to 104°F 0°C to 40°C
Operation Humidity	10% to 80%	
IP Rating	IP5X	
HARDWARE FEATURES	Internal Memory	8GB
	Temperature Sensor	Yes
	BLU Sensor	Yes
	Acceleration(Gyro) Sensor	Yes
	Local Key Operation	Yes
	Fanless Design	Yes
	OPS type compatible	Yes (Piggyback)

MODEL	55VSM5J-H	
SOFTWARE FEATURES	webOS ver.	webOS 4.1
	Local Contents Scheduling	Yes
	Group Manager	Yes
	USB Plug & Play	Yes
	Fail over	Yes
	No Signal Image	Yes
	RS-232C Sync	Yes
	Local Network Sync	Yes
	Video Tag	Yes (x4)
	Play via URL	Yes
	Screen Rotation	Yes
	External Input Rotation	Yes
	Gapless Playback	Yes
	Tile Mode Setting	Yes (Max. 15x15)
	Setting Data Cloning	Yes
	SNMP	Yes
	ISM Method	Yes
	Auto Set ID	Yes
	Status Mailing	Yes
	Control Manager	Yes
	Crestron Inside	Yes
Smart Energy Saving	Yes	
PM mode	Yes	
Wake on LAN	Yes	
Network Ready	Yes	
HDMI-CEC	Yes	
SI Server Setting	Yes	
webRTC	Yes	
Pro:Idiom	Yes	
W/B Setting by Grey scale	Yes	
Scan Inversion	Yes	
POWER	Power Supply	100-240 Vac, 50/60Hz
	Power Type	Built-In Power
	Typ. Power Consumption	200 W 682 BTU/hr
	Max. Power Consumption	250 W 853 BTU/hr
	Smart Energy Saving	105 W
CERTIFICATION	DPM	0.5 W
	Power off	0.5 W
	FCC	Class "B"
SOFTWARE CAPABILITY	CE	Yes
	ErP / Energy Star	Yes / Energy Star 8.0
	SuperSign CMS	Yes
	SuperSign Control / Control+	Yes / Yes
	SuperSign WB	Yes
ACCESSORIES & OTHER	SuperSign Media Editor	Yes
	LG Connected Care	Yes
	Basic Accessories	Remote Controller(includes battery 2ea), Power Cord, RS232C cable, Lan cable, DP cable, IR Receiver, Guide Bracket, Screws, Manual
	Optional Accessories	OPS Kit (KT-OPSF)
Smart Calibration	Yes	