



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

Video Wall 55VM5J-H

55" Narrow Bezel Video Wall with 1.74 mm BtB



Extreme-Narrow
Bezel



Wider
Viewing Angle



Easy Color
Adjustment



Efficient
Operation

55VM5J-H

Screen Size	55"
Aspect Ratio	16 : 9
Native Resolution	FHD (1,920 × 1,080)
Brightness	500 nits (Typ.)
Contrast Ratio	1,000:1



Large Screens with Narrow Bezel

The slim bezel, with its 1.74mm BtB (Bezel-to-Bezel) seams and delivers immersive content on assembled video wall screens.

* The 1.74mm BtB seams have been verified by Nemko, a global institution that tests and certifies electrical equipment.

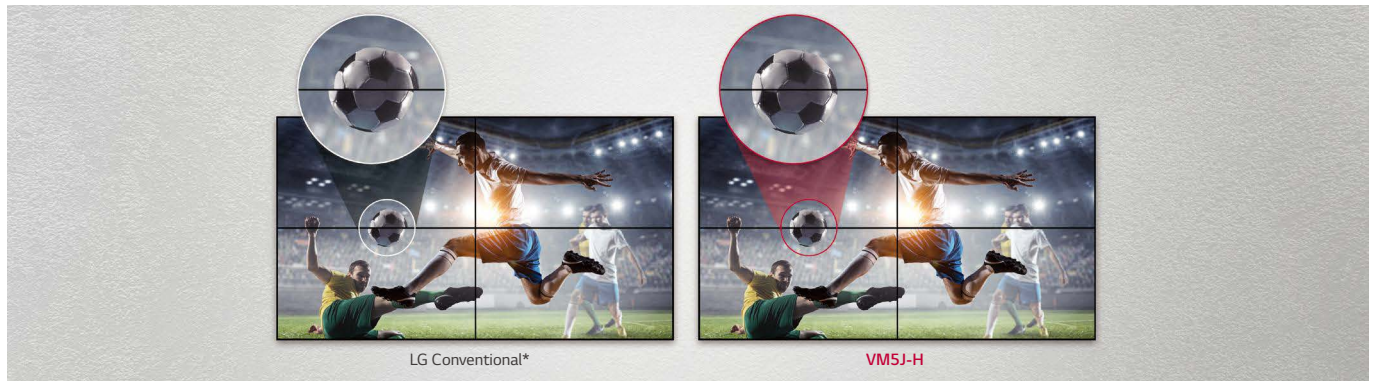
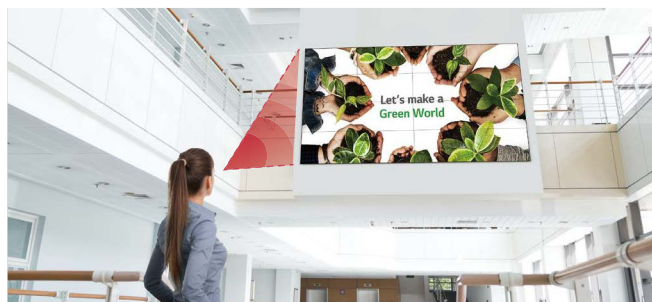


Image Gap Reduction

The 55VM5J-H includes an image improvement algorithm that can reduce perception of image gaps among tiled displays when playing back videos. Objects located on the bezel boundaries are adjusted for a smoother viewing experience.

* The "LG Conventional" refers to displays which do not include an image improvement algorithm.

** The image shown above are for illustration purposes only.



40° High Viewing Angle*

High Viewing Angle

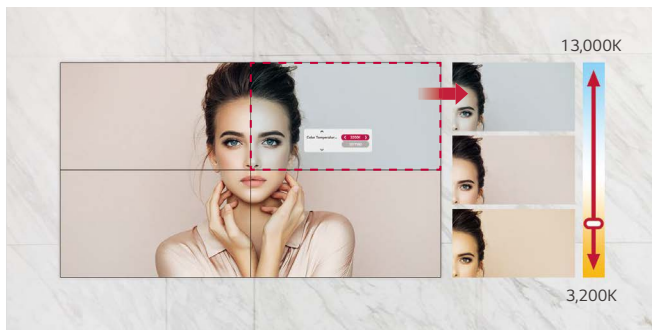
Large screens are usually positioned higher than human-eye level. Wide half luminance angle (40°) enables effective picture quality for video walls. The viewing angle of the 55VM5J-H is high enough to display vivid colors throughout even up to 40 degrees of viewing angle difference.

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



Wide Viewing Angle

LG IPS panel technology enables stable and smooth control of liquid crystals, and allows the screen to be viewed from virtually any angle. Therefore, the 55VM5J-H captivates the attention of more viewers with lifelike colors, regardless of their horizontal viewing position.



Easy Color Adjustment

Depending on the content, the color temperature of the display can be easily adjusted in increments of 100K using a remote control.



Simple White Balance Adjustment

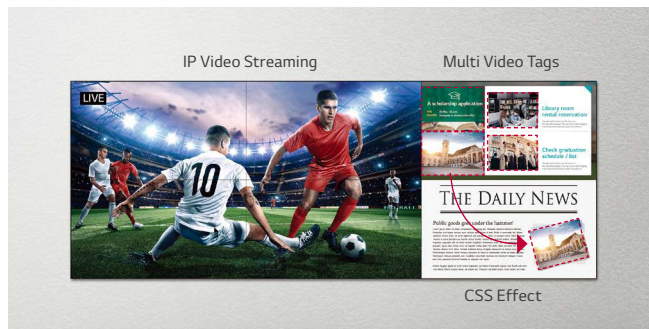
In conventional video walls, white balance was adjustable only in "full-white" mode, but the 55VM5J-H allows you to modify each value of grey scale to achieve more detailed and precise white balance adjustment.



High Performance and Great Scalability

Thanks to its built-in System-on-Chip and webOS smart signage platform, the 55VM5J-H 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 an SDK (Software Development Kit), it is even easier for system integrators to build and optimize their web apps.

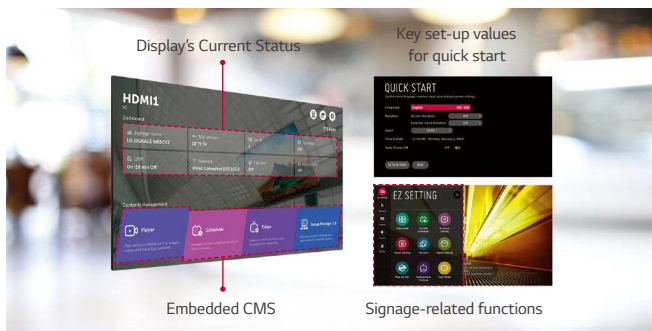
* SDK can be downloaded at <https://webossignage.developer.lge.com>.



Flexible Content Creation

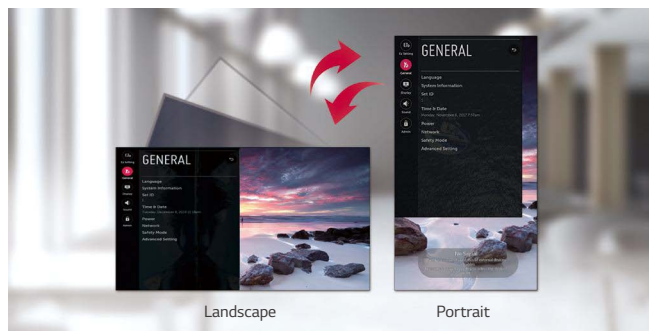
Four different videos can be played simultaneously via web apps, and various animation effects, such as scaling or rotating, are added to content using CSS (Cascading Style Sheets) transition effects. Real-time streaming is also available, providing the flexibility to organize and diversify content free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

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



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 Orientation

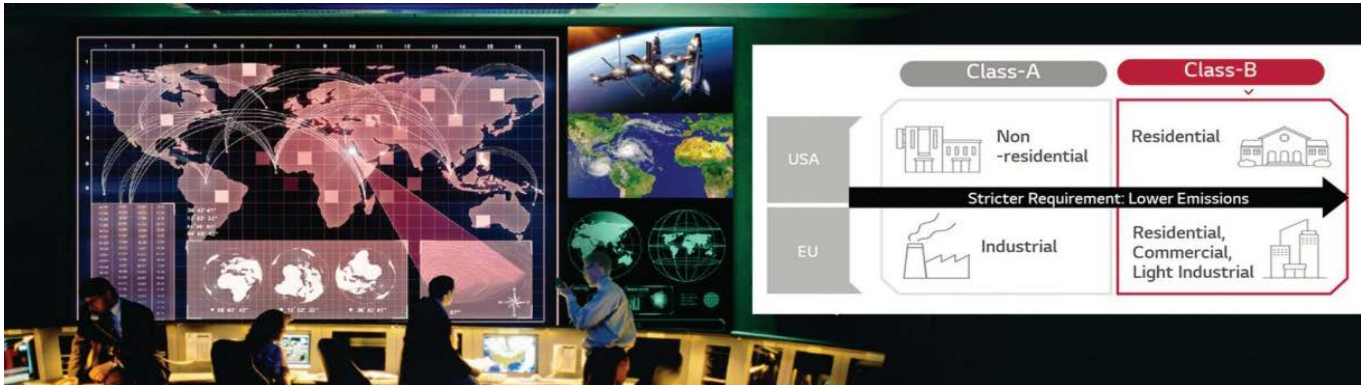
The user interface was designed based on landscape-oriented consumer TV usage, so on-screen display menu wasn't well-suited for screens in portrait mode. The OSD of the VM5J-H, however, consists of a long range menu with bigger font sizes and a 9:16 ratio, creating a comfortable and efficient business environment.



Conformal Coating

Video wall in various places can't avoid exposure to environments with dust, and humidity, which may lead to hampered performance over time. Conformal coating on the major circuit board (power board) offers protection from such environments by protecting video wall from salt, dust, iron powder, humidity, etc.

* Actual images available may differ from the example images shown.



EMC Class B Certified

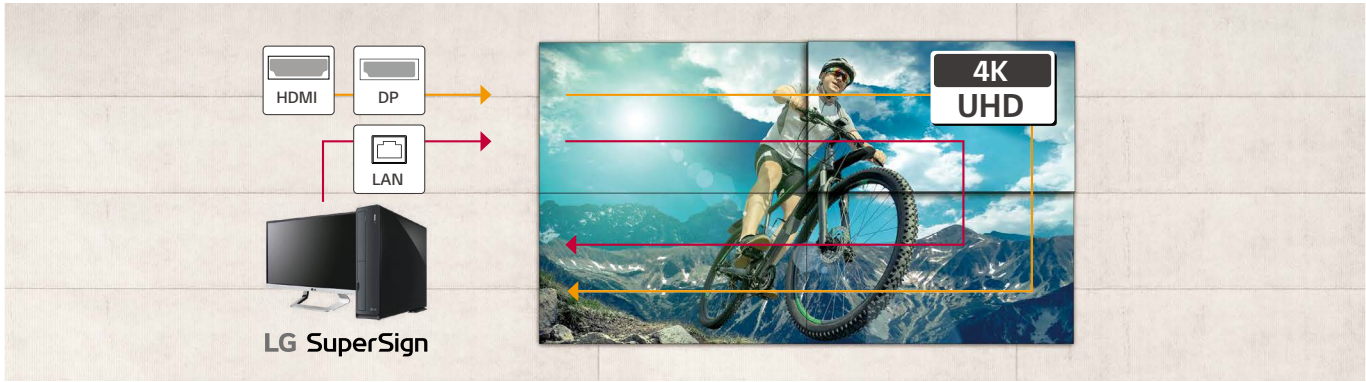
The VM5J-H is certified as EMC Class B, which requires electronic equipment made for use in residential environments as well as commercial, industrial, or business environments. Therefore, it is suitable for up-close uses such as corporate meeting rooms, board rooms, etc.



Real-Time LG ConnectedCare

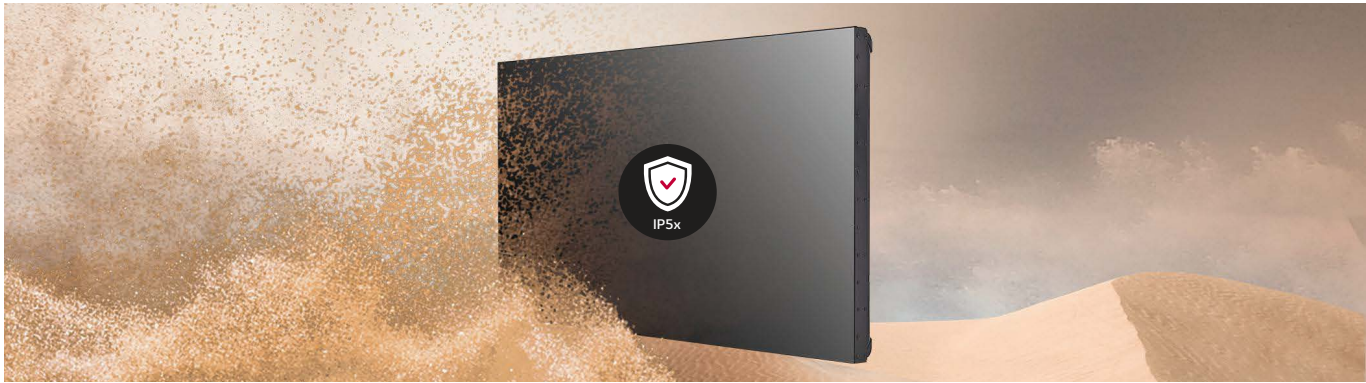
Maintenance is easy and fast with the optional LG ConnectedCare* service, a cloud service solution provided by LG. It remotely manages the status of displays in client workplaces for fault diagnosis and remote-control services, enabling the stable operation of clients' businesses.

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



Daisy Chain Capability

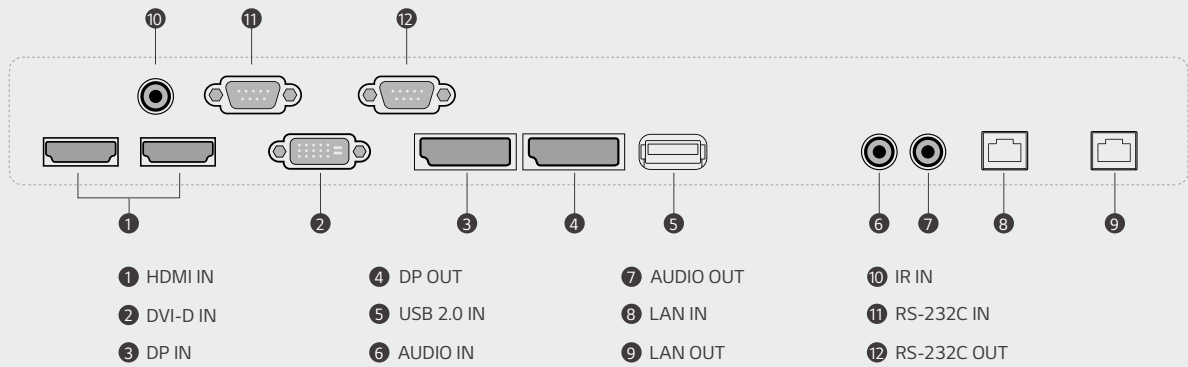
A LAN daisy chain allows you to control and monitor video walls and even update their firmwares at once. Also, through UHD daisy chain using HDMI and DisplayPort, you can set up a UHD video wall without the need of DisplayPort MST hub.



IP5x Certified Design

The IP5x Certification demonstrates protection of the internal parts of the product against dust particles.

CONNECTIVITY



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



MODEL	55VM5J-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	1,000:1
	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%
	Lifetime (Typ)	60,000 Hrs
	Operation Hours (Hours/Day)	24/7
	Portrait / Landscape	Yes / Yes
CONNECTIVITY IN	HDMI	Yes (x2), HDCP2.2
	DP	Yes (x1), HDCP2.2
	DVI-D	Yes (x1), HDCP1.4
	Audio In	Yes
	RS232C IN	Yes
	RJ45(LAN)	Yes
	IR IN	Yes
USB	USB2.0 Type A	
CONNECTIVITY OUT	DP Out	Yes (Input: HDMI / DVI / DP)
	Audio Out	Yes
	RS232C OUT	Yes
	RJ45(LAN)	Yes
MECHANICAL	Bezel Color	Black
	Bezel Width (Bezel-to-Bezel)	1.74mm BtB (1.3mm (T/L), 0.44 mm(B/R))
	Bezel Width (Active area to Active area)	2.49mm AtA (1.75mm (T/L), 0.74mm (B/R))
	Weight	41.4 lbs / 18.8 kg
	Shipping Weight	61.7 lbs / 28.0 kg
	Monitor Dimension (W x H x D)	47.7 x 26.9 x 3.4 in 1212.2 x 683.0 x 86.9 mm
	Carton Dimensions (W x H x D) (Box outer size)	54.8 x 37.6 x 11.9 in 1393 x 955 x 303 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
Temperature Sensor		Yes
BLU Sensor		Yes
Acceleration (Gyro) Sensor		Yes
Local Key Operation		Yes
Fanless Design		Yes
OPS type compatible		Yes (Piggyback)

MODEL	55VM5J-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	160 W 546 BTU/hr
	Max. Power Consumption	190 W 648 BTU/hr
	Smart Energy Saving	90 W
	DPM	0.5 W
	Power off	0.5W
CERTIFICATION	FCC	Class "B"
	CE	Yes
	ErP / Energy Star	Yes / Energy Star 8.0
SOFTWARE COMPATIBILITY	SuperSign CMS	Yes
	SuperSign Control / Control+	Yes / Yes
	SuperSign WB	Yes
	SuperSign Media Editor	Yes
ACCESSORIES & OTHER	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)