
Artistic Immersion, Overwhelming Captivation

55VH7E-H

The impressive immersion generated by the extremely narrow 0.9 mm even-bezel becomes even more powerful with a high haze value. The 55VH7E-H delivers vivid content with no reflections, even under bright lights, allowing it to effectively captivate viewers and drive traffic to areas where it is installed.



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Achieving Incredible Immersion

Seamless Large Screens with Extreme-Narrow Bezel

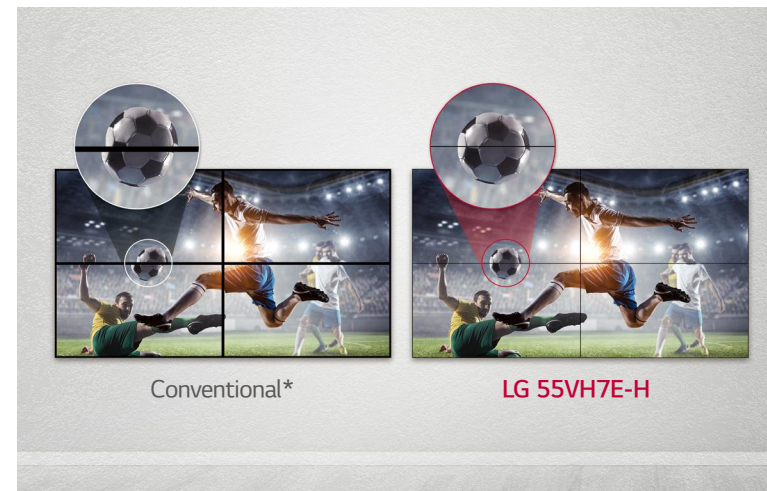
The borderless design, with its 0.9 mm* even bezel and 1.8 mm* BtB (Bezel to Bezel), verified by Nemko, minimizes bezel interference and delivers immersive and seamless content on assembled video wall screens.



* The 0.9 mm even panel bezel and 1.8 mm BtB size (borderless type, no metal bezel) have been verified by Nemko, a global institution that tests and certifies electrical equipment.

Image Gap Reduction

The 55VH7E-H includes an image improvement algorithm that can reduce image gaps among tiled displays when playing back videos. Objects located on the bezel boundaries are adjusted for a seamless viewing experience.



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

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Vivid and Dynamic Picture Quality

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 55VH7E-H is high enough to display vivid colors throughout the screen with no distortion.



Clear View with Anti-Glare Coating

Viewers can easily become frustrated by unnecessary reflections when watching a screen under brightly lit conditions. The 55VH7E-H has resolved this problem by increasing the haze value up to 44%, enhancing content visibility and text readability.



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

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Powerful Smart Signage Platform

High Performance and Great Scalability

Thanks to its built-in SoC and webOS smart signage platform, the 55VH7E-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 SDK (Soft Development Kit), it is even easier for SIs to build and optimize their web apps.



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

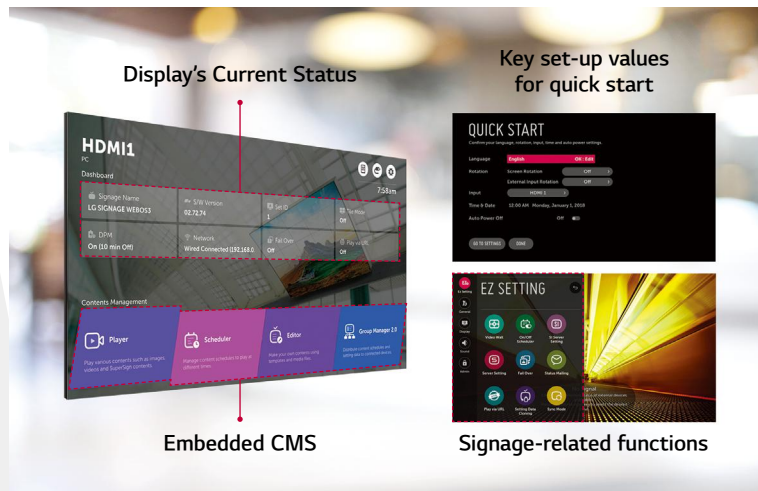
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User-Friendly Smart Signage UX

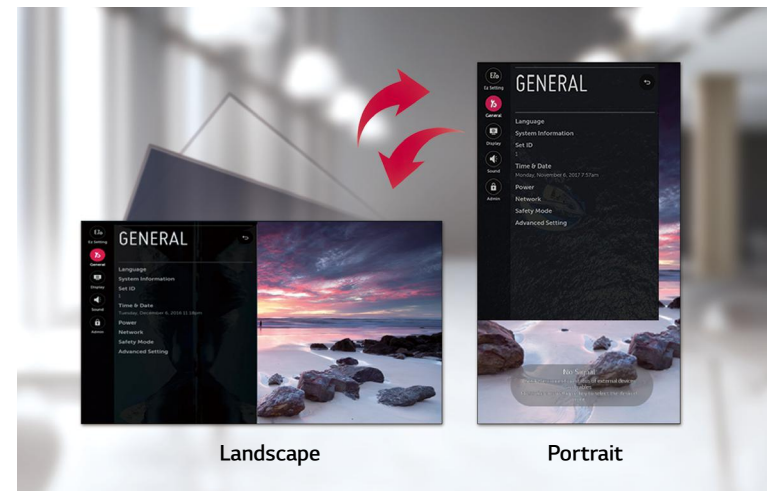
Intuitive Menu Structure

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 GUI for Portrait Orientation

The conventional GUI(Graphic User Interface) was designed based on landscape-oriented consumer TV usage, so OSD(On Screen Display) wasn't well-suited for screens in portrait mode. The OSD of the 55VH7E-H, however, consists of a long range menu with bigger font sizes and a 9:16 ratio, creating a comfortable and efficient business environment.



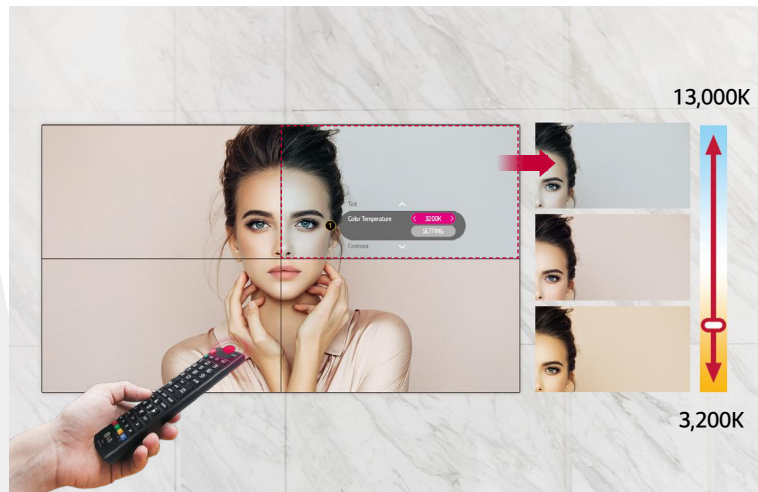
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User Convenience

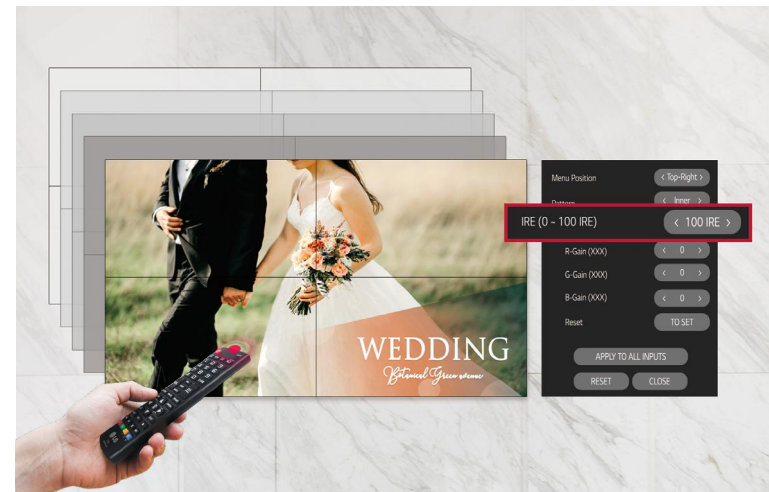
Easy Color Adjustment

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 55VH7E-H allows you to modify each value of grey scale to achieve more detailed and precise white balance adjustment.



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User Convenience

LAN Daisy Chain Management

A LAN daisy chain allows you to execute commands to control and monitor video walls and even update their firmwares at once.



Real-Time Care Service

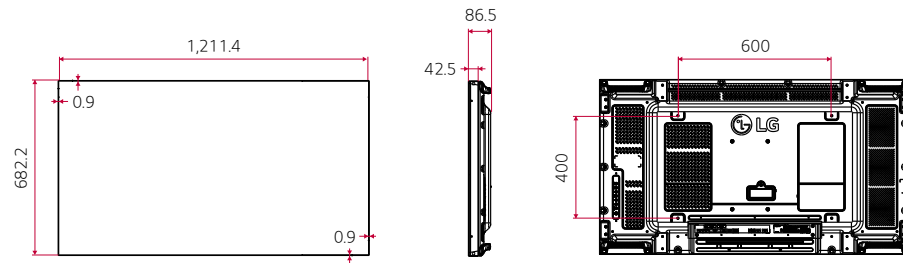
The maintenance gets easier and faster with an optional service Signage365Care*, a cloud service solution provided by LG service. It remotely manages status of displays in client workplaces for fault diagnosis and remote-control services, ensuring the stable operation of a client's business.



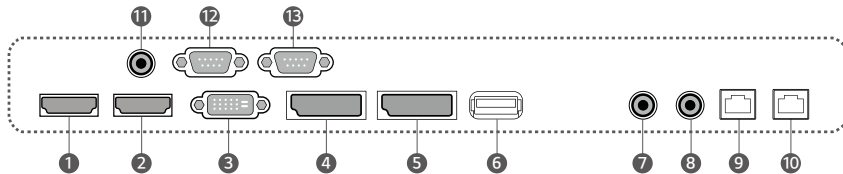
* The availability of "Signage365Care" service can differ by region, so please contact the LG sales representative in your region for further details.

Dimension (Unit: mm)

55"



Connectivity



- ① HDMI IN 1 ⑥ USB 2.0 IN ⑪ IR IN
- ② HDMI IN 2 ⑦ AUDIO IN ⑫ RS232C IN
- ③ DVI-D IN ⑧ AUDIO OUT ⑬ RS232C OUT
- ④ DP IN
- ⑤ DP OUT
- ⑨ LAN IN
- ⑩ LAN OUT



Specifications

55VH7E-H

PANEL	Screen Size	55"
	Panel Technology	IPS
	Aspect Ratio	16 : 9
	Native Resolution	1,920 x 1,080 (FHD)
	Brightness (Typ.)	700 cd/m ²
	Contrast Ratio	1,200:1
	Dynamic CR ¹⁾	500,000 : 1
	Viewing Angle (H x V)	178 x 178
	Color Depth	1.07 Billion (10 bit)
	Response Time	8 ms (G to G)
CONNECTIVITY	Surface Treatment	Haze 44%
	Life Time (Typ.)	60,000 Hrs
	Operation Hours	24 Hrs
CONNECTIVITY	Orientation	Landscape & Portrait
	Input	HDMI (2), DP, DVI-D, Audio, USB 2.0
	Output	DP, Audio
MECHANICAL SPECIFICATION	External Control	RS232C In/out, RJ45(LAN) In/out, IR In
	Bezel Color	Black
	Bezel Width	0.9 mm (Even), B to B ²⁾ 1.8 mm
MECHANICAL SPECIFICATION	Monitor Dimension (W x H x D)	1,211.4 x 682.2 x 86.5 mm
	Weight (Head)	18.6 kg
	Carton Dimensions (W x H x D)	1,353 x 855 x 263 mm
	Packed Weight	25.3 kg
	Handle	Yes
KEY FEATURE	VESA™ Standard Mount Interface	600 x 400 mm
	Internal Memory 8GB (System 4GB + Available 4GB), Temperature Sensor, Tile Mode (Up to 15x15), Natural Mode @Tile Mode, ISM Method, DPM Select, Smart Energy Saving, Contents Scheduling (USB, Internal Memory), USB Cloning, Calibration Mode, Sync Mode, PM Mode, Firmware Update (LAN), HDMI-CEC ³⁾ , Wake on LAN, Fail Over, No Signal Image, Embedded Template, OPS Power Control, Scan Inversion (with Pivot Mode)	
ENVIRONMENT CONDITIONS	Operation Temperature	0°C to 40°C
	Operation Humidity	10% to 80%
POWER	Power Supply	100-240V~, 50/60Hz
	Power Type	Built-In Power
	Power Consumption Typ. / Max.	220 W / 260 W
	Consumption Smart Energy Saving	110 W
CERTIFICATION	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1
	EMC	FCC Class "A" / CE / KC
	ErP / Energy Star	Yes (EU Only) / Yes (Energy Star 7.0)
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes (Piggyback)
	External Media Player Attachable	Yes (MP500/MP700)
SOFTWARE COMPATIBILITY	Content Management Software	SuperSign CMS
	Control and Monitoring Software	SuperSign Control/Control+
ACCESSORIES	Signage365Care	Yes
	Basic	Remote Controller, Power Cord, RS232C Cable, LAN Cable, DP Cable, IR Receiver, Guide Bracket, Screws, Manual
	Optional	Wall Mount (Landscape : WM-L640V, Portrait : WM-P640V), OPS Kit (KT-OPSF)

1) The luminosity ratio of Full Black/Full White color on video input condition.

2) B to B: Panel bezel to panel bezel

3) Compatibility may differ by equipment



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