Artistic Immersion, Overwhelming Captivation

55VH7E

The impressive immersion generated by the extremely narrow 0.9 mm even-bezel becomes even more powerful with a high haze value. The 55VH7E 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.

Artistic Immersion, Overwhelming Captivation
55VH7E

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.

Image Gap Reduction

The 55VH7E 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.

0.9mm

0.9mm

Conventional*

LG 55VH7E

* 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.

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

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55VH7E

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 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 has resolved this problem by increasing the haze value up to 44%, enhancing content visibility and text readability.

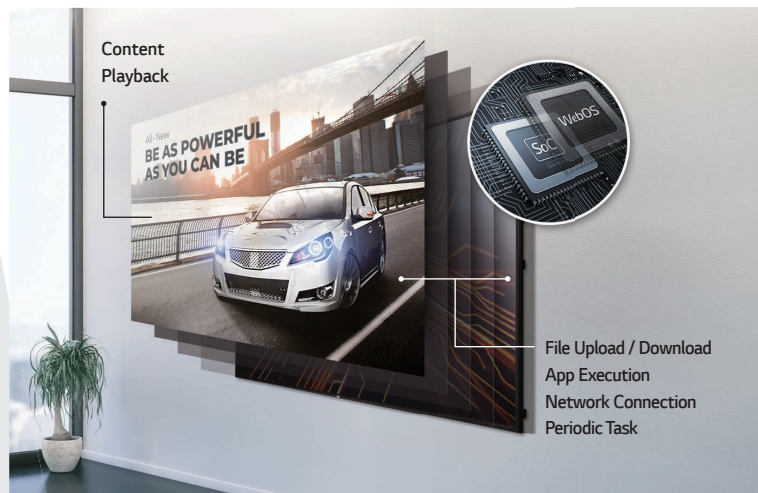* Results based on in-house testing. Actual test results may differ depending on environment and measuring equipment.

Artistic Immersion, Overwhelming Captivation
55VH7E

Powerful Smart Signage Platform

High Performance and Great Scalability

Thanks to its built-in System on Chip (SoC) and webOS smart signage platform, the 55VH7E 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 system integrators to build and optimize their web apps.

Content Playback

File Upload / Download
App Execution
Network Connection
Periodic Task

Flexible Content Creation

Several 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.

IP Video Streaming   Multi Video Tags

CSS Effect

* The current 2 video tags may expand to 4 video tags in the 3Q of 2019.
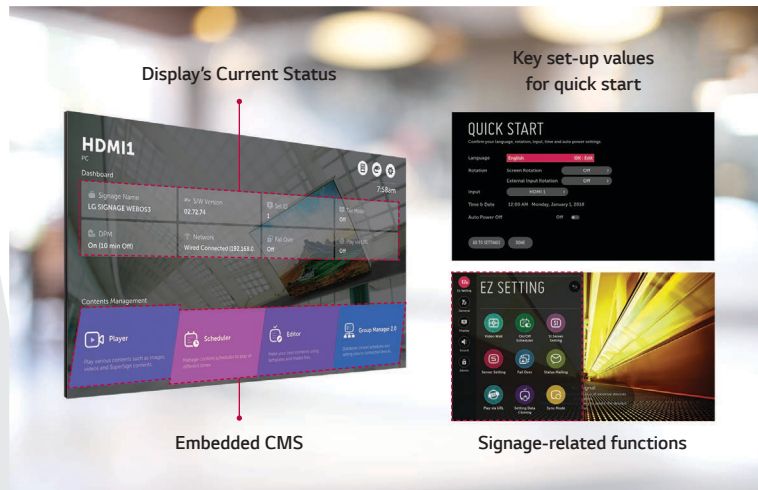** Supported protocols: RTSP, RTP, HLS, UDP Multicast

Artistic Immersion, Overwhelming Captivation
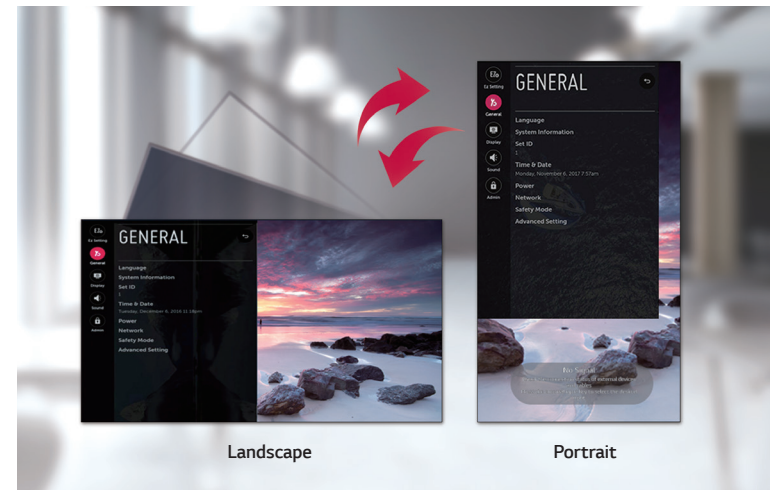## 55VH7E

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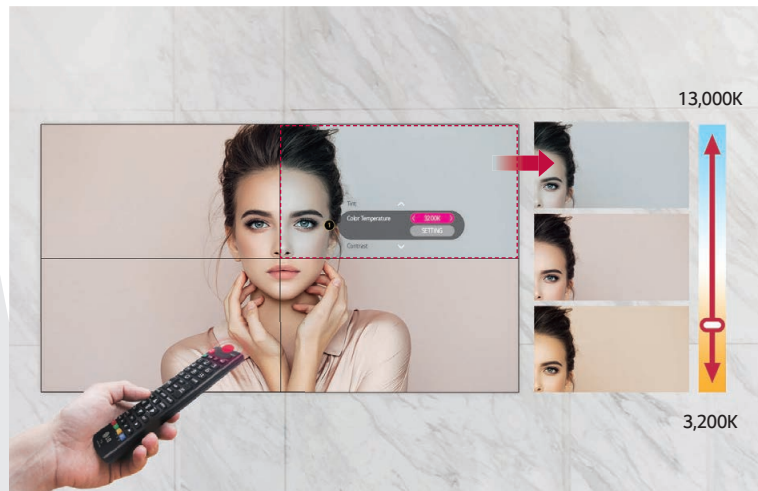

Display's Current Status

Key set-up values for quick start

Embedded CMS

Signage-related functions

Landscape

Portrait

Artistic Immersion, Overwhelming Captivation
55VH7E

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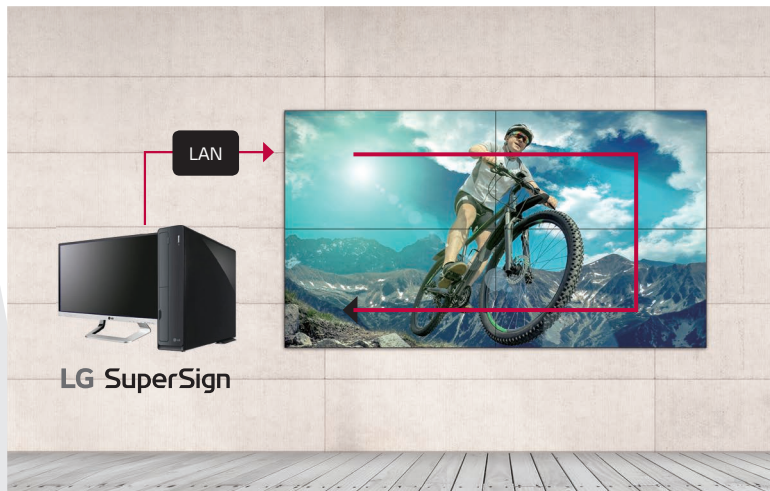

13,000K

3,200K

WEDDING

Artistic Immersion, Overwhelming Captivation
55VH7E

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.
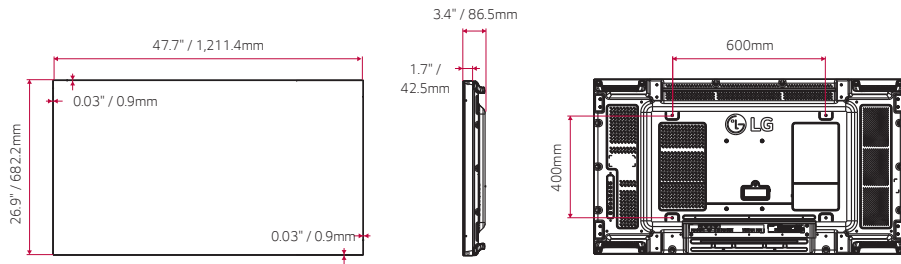

Real-Time Care Service

The maintenance gets easier and faster with an optional service Signage 365 Care*, 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 your business.
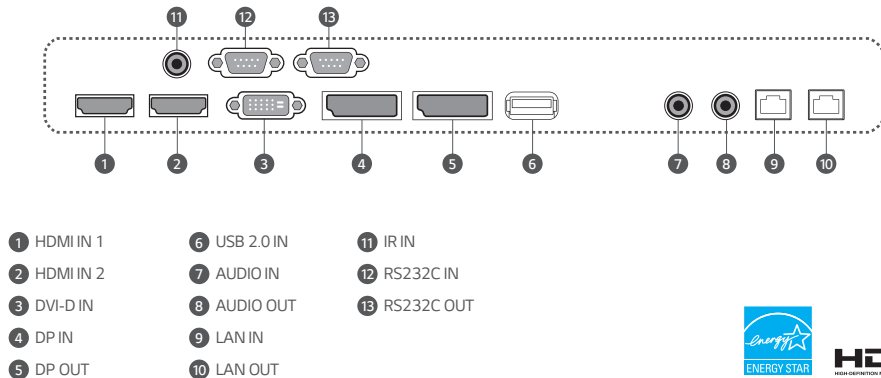

* The availability of "Signage 365 Care" service can differ by region, so please contact the LG sales representative in your region for further details.

Dimensions

55"

3.4" / 86.5mm

47.7" / 1,211.4mm

1.7" / 42.5mm

0.03" / 0.9mm

26.9" / 682.2mm

0.03" / 0.9mm

600mm

400mm

LG

Connectivity

| 11 | 12 | 13 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

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	9	LAN IN		
5	DP OUT	10	LAN OUT		

Specifications

55VH7E

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	30,000:1
	Viewing Angle (H x V)	178 x 178
	Color Depth	1.07 Billion
	Response Time	8 ms (G to G)
	Surface Treatment	Haze 44%
	Life Time (Typ.)	60,000 Hrs
	Operation Hours	24 Hrs
	Orientation	Landscape & Portrait
CONNECTIVITY	Input	HDMI (2), DP, DVI-D, Audio, USB 2.0
	Output	DP, Audio
	External Control	RS232C In/out, RJ45(LAN) In/out, IR In
MECHANICAL SPECIFICATION	Bezel Color	Black
	Bezel Width	0.9 mm (Even), B to B[1] 1.8 mm
	Monitor Dimension (W x H x D)	47.7" x 26.9" x 3.4" / 1,211.4 x 682.2 x 86.5 mm
	Weight (Head)	41 lbs / 18.6 kg
	Carton Dimensions (W x H x D)	53.3" x 33.7" x 10.4 / 1,353 x 855 x 263 mm
	Packed Weight	55.87 lbs / 25.3 kg
	Handle	Yes
	VESA™ Standard Mount Interface	600 x 400 mm
KEY FEATURE		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[2], Wake on LAN, Fail Over, No Signal Image, Embedded Template, OPS Power Control, Scan Inversion (with Pivot Mode)
ENVIRONMENT CONDITIONS	Operation Temperature	32°F to 104°F / 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.	220 W
	Power Consumption — Max.	260 W
	Power 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	N/A / 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	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)
OTHERV	Warranty	3 Year Limited
	UPC	7 19192 62472 6

1) B to B: Panel bezel to panel bezel
2) Compatibility may differ by equipment

ENERGY STAR

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

LG | Business Solutions