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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55VH7E-H

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-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.

Conventional*   LG 55VH7E-H

* 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-H

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

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.

Content Playback

File Upload / Download
App Execution
Network Connection
Periodic Task

IP Video Streaming   Multi Video Tags

CSS Effect

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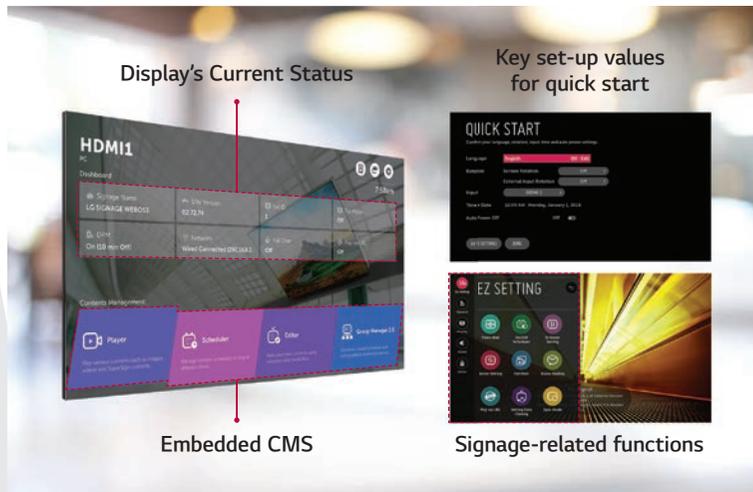** Supported protocols: RTSP, RTP, HLS, UDP Multicast

Artistic Immersion, Overwhelming Captivation
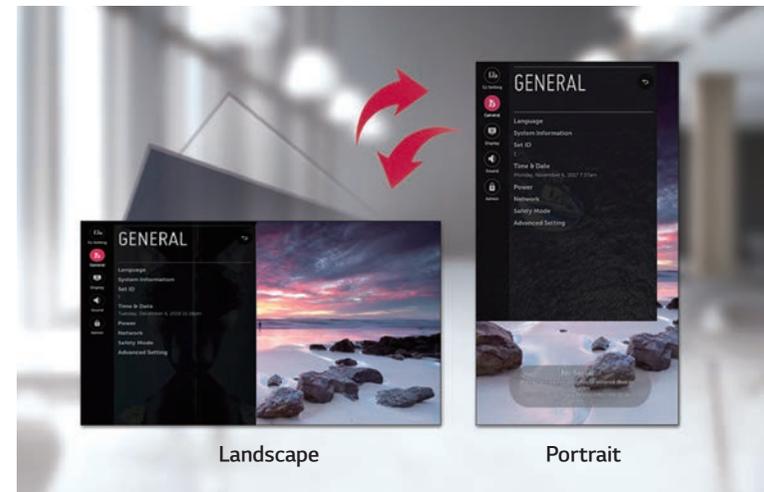## 55VH7E-H

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.

Display's Current Status

Key set-up values for quick start

Embedded CMS

Signage-related functions

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.
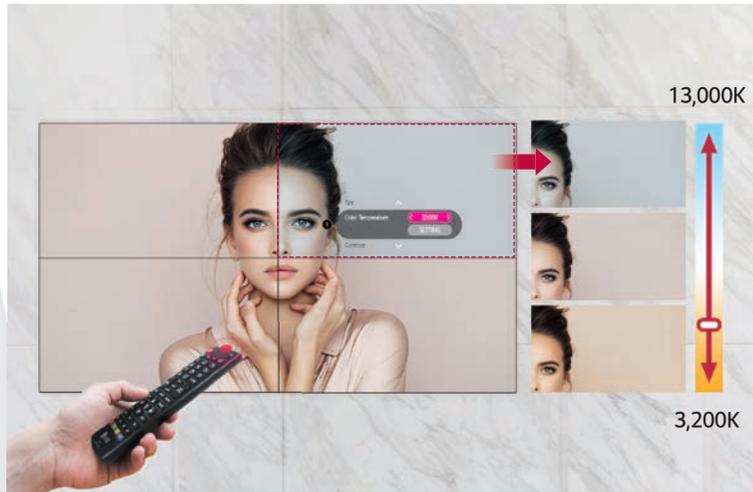

Landscape

Portrait

Artistic Immersion, Overwhelming Captivation
55VH7E-H

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.

Artistic Immersion, Overwhelming Captivation
55VH7E-H

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.
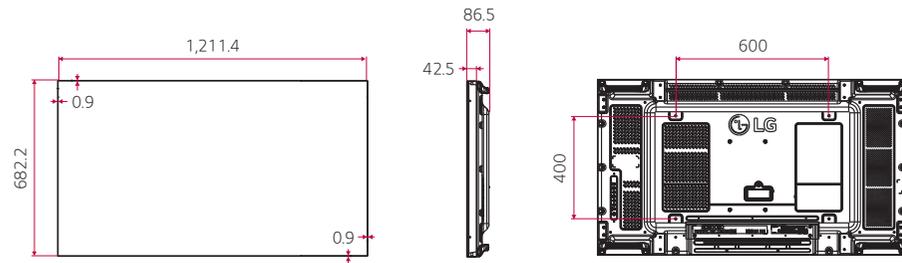
Real-Time Care Service

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 a client's business.

LAN

LG SuperSign

Repair

Signage 365 care

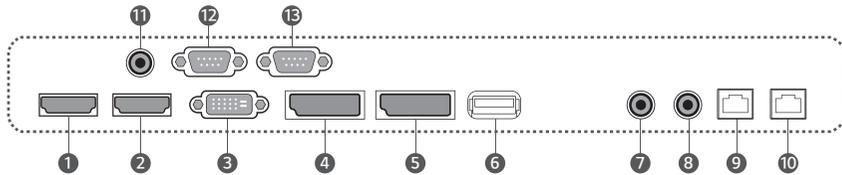Status, Usage Data

Monitoring / Fault Detection

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

Dimension (Unit: mm)

55"

1,211.4
682.2
0.9
0.9
86.5
42.5
600
400

Connectivity

❶ HDMI IN 1	❻ USB 2.0 IN	⓫ IR IN
❷ HDMI IN 2	❼ AUDIO IN	⓬ RS232C IN
❸ DVI-D IN	❽ AUDIO OUT	⓭ RS232C OUT
❹ DP IN	❾ LAN IN	
❺ DP OUT	❿ LAN OUT	

Specifications

55VH7E-H

Category	Item	Value
PANEL	Screen Size	55"
	Panel Technology	IPS
	Aspect Ratio	16 : 9
	Native Resolution	1,920 x 1,080 (FHD)
	Brightness (Typ.)	700 cd/m²
	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)	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
	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	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)

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

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