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.

LG | Business Solutions

INTERNATIONAL CONFERENCE ON INFORMATION DISPLAY

ON INFORMATION L

Artistic Immersion, Overwhelming Captivation
55VH7E-H

Achieving Incredible Immersion

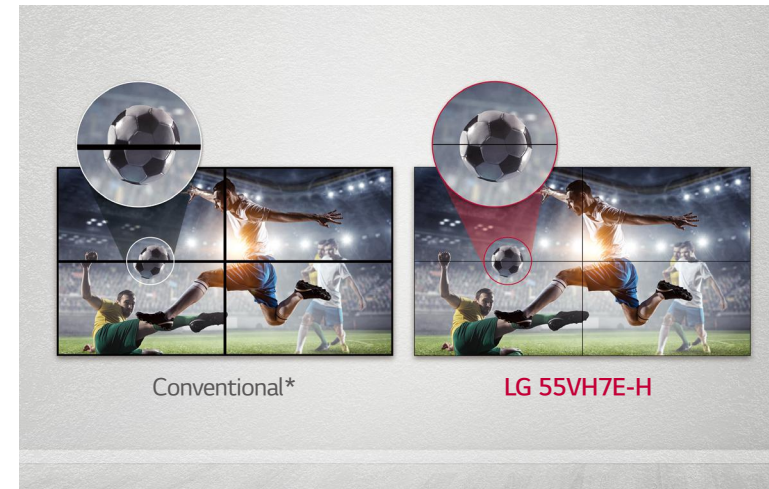### Seamless Large Screens with Extreme-Narrow Bezel

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.

0.9mm
0.9mm

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.

Artistic Immersion, Overwhelming Captivation
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.

Artistic Immersion, Overwhelming Captivation
55VH7E-H

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.

Content Playback

AI-New
BE AS POWERFUL
AS YOU CAN BE

SoC   WebOS

File Upload / Download
App Execution
Network Connection
Periodic Task

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.

IP Video Streaming   Multi Video Tags

LIVE

A scholarship application

Library room rental reservation

Check graduation schedule / list

THE DAILY NEWS
Public goods goes under the hammer!

CSS Effect

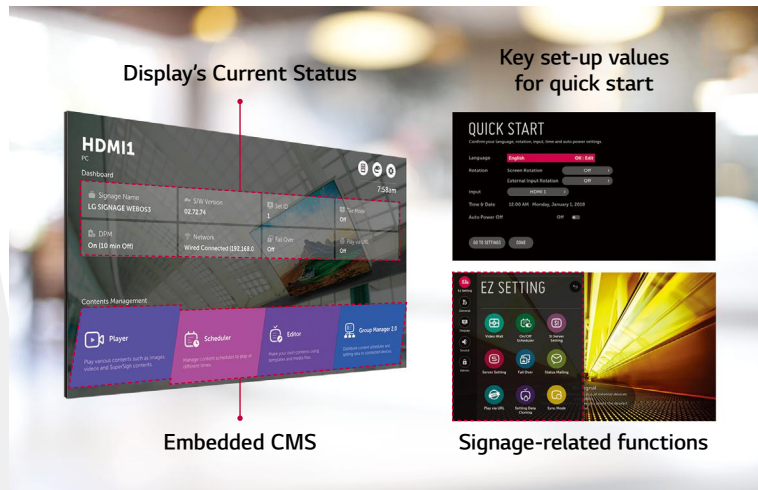* Supported protocols: RTSP, RTP, HLS, UDP Multicast

Artistic Immersion, Overwhelming Captivation
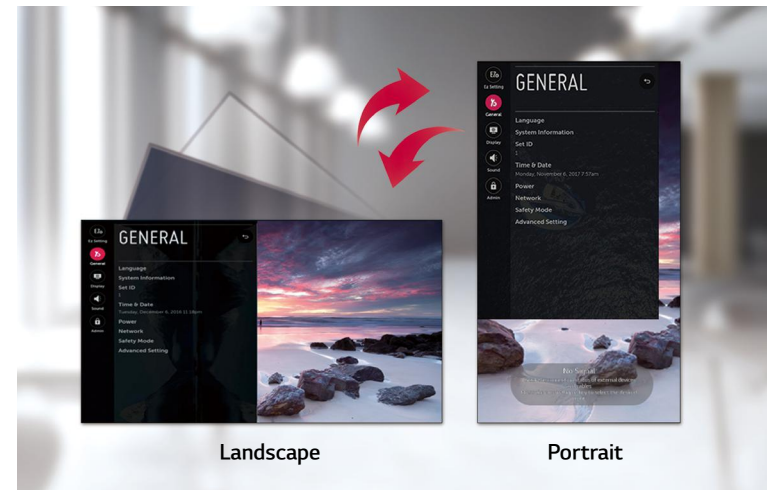## 55VH7E-H

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.
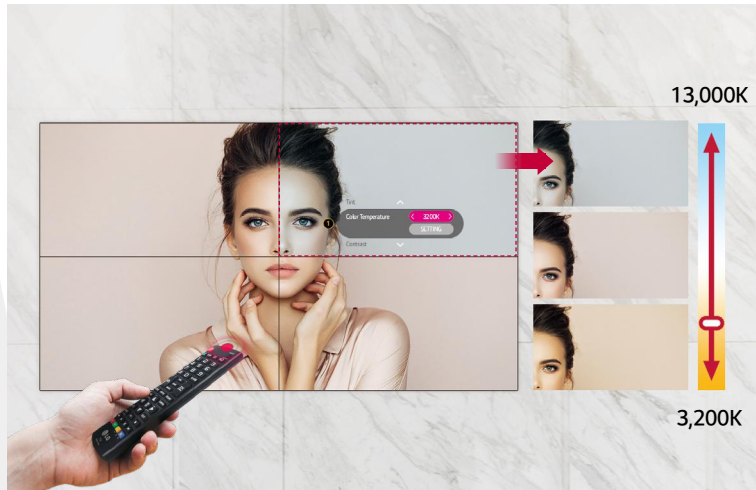

Landscape

Portrait

Artistic Immersion, Overwhelming Captivation
55VH7E-H
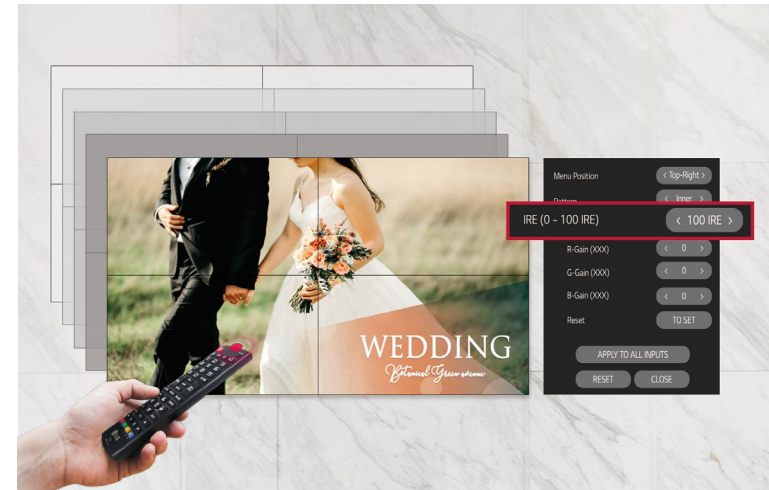
User Convenience

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.

13,000K

3,200K

WEDDING

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.
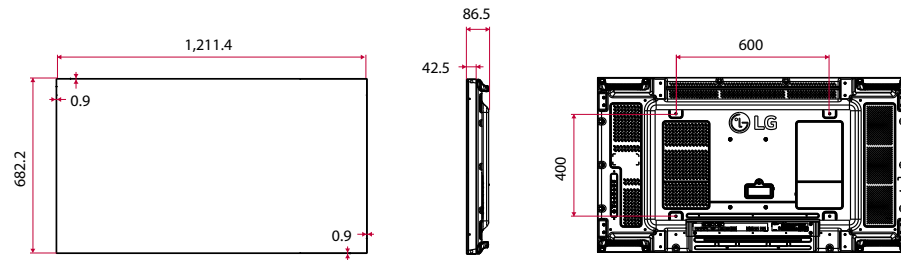

LG SuperSign

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.

Repair

Signage 365Care

Status, Usage Data
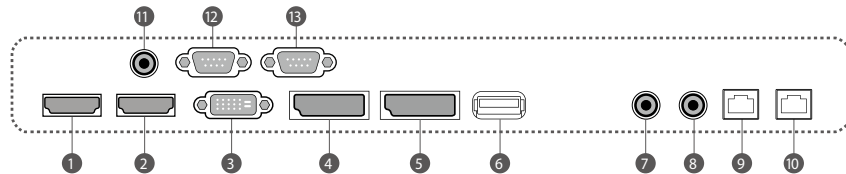
Monitoring / Fault Detection

* 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

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

PANEL	Screen Size	55"
	Panel Technology	IPS
	Native Resolution	1,920 × 1,080 (FHD)
	Brightness (Typ.)	700 nit
	Contrast Ratio	1,200 : 1
	Dynamic CR [1]	500,000 : 1
	Color Gamut	NTSC 72 %
	Viewing Angle (H × V)	178 × 178
	Color Depth	1.06 Bilion Colors (10 bit)
	Response Time	8 ms (G to G)
	Surface Treatment	Haze 44 %
	Operation Hours (Hours / Day)	24 / 7
	Portrait / Landscape	Yes / Yes
CONNECTIVITY	Input	HDMI (2), DP, DVI-D, Audio, USB 2.0 Type A
	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 Bezel)
	Monitor Dimension (W × H × D)	1,211.4 × 682.2 × 86.5 mm
	Weight (Head)	18.6 kg
	Handle	Yes
	VESA ™ Standard Mount Interface	600 × 400 mm
KEY FEATURE		Internal Memory (8 GB), Temperature Sensor, Current Sensor, Local Key Operation, webOS 4.0, Embedded CMS (Local Contents Scheduling, Group Manager), USB Plug & Play, Fail Over, Background Image (Booting Logo Image, No Signal Image), Sync Mode (RS-232C Sync, Local Network Sync), Video Tag (2), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 ×15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, Crestron Connected [2], Smart Energy Saving, PM Mode, Wake on LAN, HDMI-CEC [3], SI Server Setting, webRTC, Pro:Idiom, W/B Setting by Grey Scale, Scan Inversion
ENVIRONMENT CONDITIONS	Operation Temperature	0 ℃ to 40 ℃
	Operation Humidity	10 % to 80 %
POWER	Power Supply	AC 100 - 240 V ~, 50 / 60 Hz
	Power Type	Built-In Power
	Power Consumption — Typ. / Max.	220 W / 260 W
	Power Consumption — BTU (British Thermal Unit)	751 BTU / Hr (Typ.), 887 BTU / Hr (Max.)
CERTIFICATION	Safety	CB / NRTL
	EMC	FCC Class "A" / CE / KC
	ErP	Yes (EU Only)
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes (Piggyback)
SOFTWARE COMPATIBILITY		SuperSign CMS, SuperSign Control / Control+, SuperSign WB, SuperSign Media Editor, Signage365Care [4]
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), OPS Kit (KT-OPSF)

[1] The luminosity ratio of Full Black / Full White color on video input condition.
[2] Network based control
[3] Compatibility may differ by equipment.
[4] The availability can differ by region.
* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.

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

LG | Business Solutions