Specifications

	55VH7B
PANEL	
Screen Size	55
Panel Technology	IPS
Aspect Ratio	16: 9
Native Resolution	1920x1080 (FHD)
Brightness	700cd/m²
Contrast Ratio	1,400:1
Dynamic CR	500,000:1
Viewing Angle (HxV)	178x178
Response Time	8ms (G to G)
Surface Treatment	Hard coating (3H), Anti-reflection treatment of the front polarizer (Reflectance < 2%)
Lifetime (Typ.)	60,000 Hours
Guaranteed Operating Hour	24 Hours
Orientation	Portrait & Landscape
CONNECTIVITY	
Input	HDMI, DP, DVI-D, OPS, Audio, USB 2.0, USB3.0, RGB
Output	DP, Audio
External Control	RS232C, RJ45, IR Receiver
PHYSICAL SPECIFICATION	
Bezel Color	-
Bezel Width	0.9mm (Top/Bottom/Left/Right even bezel) / 1.8mm *B to B: Panel Bezel + Panel Bezel
Monitor Dimension (WxHxD)	1,211.4x682.2x86.5mm
Weight (Head)	18.6kg
Carton Dimensions (WxHxD)	1,353x855x263mm
Packed Weight	25.3kg
VESA™ Standard Mount Interface	600x400mm
SPECIAL FEATURES	Temperature Sensor, Tile Mode (up to 15x15), Natural Mode@Tile Mode, Energy Saving, Smart Energy Saving, File Play with USB, Internal Memory, Wi-Fi Dongle Ready, USB Cloning, Content Scheduling, Fail Over
ENVIRONMENTAL CONDITIONS	
Operating Temperature Range	0 ℃ to 40 ℃
Operating Humidity Range	10 % to 90 %
POWER	
Power Supply	100-240V~, 50/60Hz
Power Type	Built-in Power
POWER CONSUMPTION	
Typ.	220W
Smart Energy Saving	110W
STANDARD (CERTIFICATION)	
Safety	UL / cUL / CB / TUV / KC
EMC	FCC Class "A" / CE / KCC
ErP / Energy Star	NA / Yes (Energy Star 6.0)
MEDIA PLAYER COMPATIBILITY	
OPS Type Compatible	Yes
External Media Player Attachable	Yes (MP500/MP700)
SOFTWARE COMPATIBILITY	
SuperSign-W/Lite	Yes
SuperSign-C	Yes
ACCESSORY	
Basic	Remote Controller, Power Cable, DP Cable, Manual, IR Receiver, RS-232C Cable, LAN Cable, Guide Bracket, Screw
Optional	Wall Mount (Landscape: WM-L640V, Portrait: WM-P640V), OPS Kit (KT-OPSA), HDBaseT (EB-B100)

Connectivity

55VH7B

1. IR IN
2. RS-232C IN
3. RS-232C OUT
4. HDMI IN
5. DVI-D IN
6. DP IN
7. DP OUT
8. USB 2.0 IN
9. USB 3.0 IN
10. RGB/COMPONENT/AV IN
11. AUDIO IN
12. AUDIO OUT
13. LAN IN
14. LAN OUT

ENERGY STAR

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE
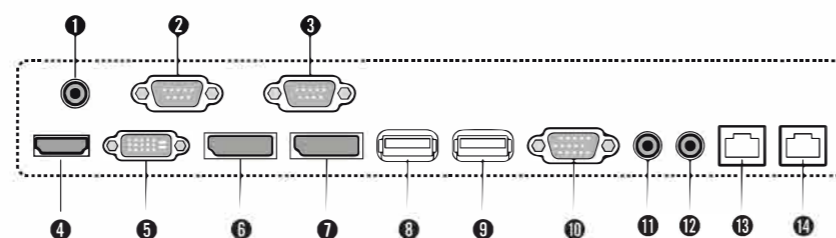
As a continuing policy of product development at LG Electronics, the design and specifications are subject to change. They may vary from model to model. Colour/shades may vary due to printing restrictions. E&OE.
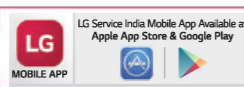
LG | Business Solutions

Artistic Immersion, Overwhelming Attractiveness
0.9mm Even Bezel Video Wall 55VH7B

With its borderless design, the VH7B series offers maximum immersion for video walls. Its quad-core SoC plays various types of content without the need of an extra media player due to its efficient management tools. The VH7B effectively raises customer awareness, particularly in areas with heavy foot traffic such as museums, galleries and large retail stores.
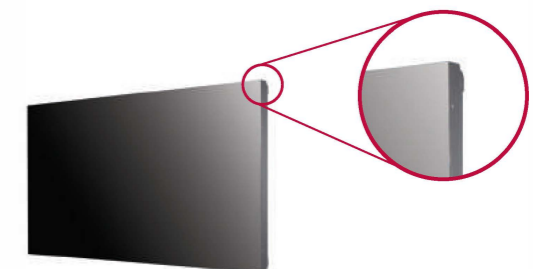
Key Features

Borderless Design

Narrowest Bezel
Borderless design with its 0.9mm even panel bezel* enables immersive and seamless viewing experiences on assembled video wall screens.

*Panel Bezel: The black matrix section where an image is not displayed on the front panel.

Smart Platform

Built-in SoC* and Synced Playback
The optimized built-in quad-core SoC in the VH7B can play various content formats and eliminates the need for an external media player. Using its built-in SoC, each display plays its video tile without lag for synchronized content playback.

CPU
1.2GHz Quad Core CPU

Memory
2.5GB double data 3 (DDR3) 32bit memory

GPU
550MHz video processor with full codec (WMV, MP4, HEVC, VP9, and H.264 capabilities)

Internal Memory
A storage of 8GB (4GB is occupied by system)

SoC
*System-on-Chip

webOS 2.0
The webOS 2.0 platform provides easy and convenient tools to create contents. LG's SDK* and technical supports make content development and management easier.

http://developer.lge.com/webOSSignage

*Software Development Kit

Screen Size
55

**IPS** | (icon) | 24h/7days | SuperSign™ | webOS 2.0

55VH7B

- Brightness: 700cd/m2
- Bezel: 0.9mm (T/B/L/R even bezel)
- Depth: 87mm
- Interface: HDMI / DVI / RGB / IR,
  Daisy-chain (DP, RS232C, RJ45)

Enhanced Content Management

LAN Daisy Chain Performance

A LAN daisy chain allows you to execute commands to control and monitor the screens and even update their firmware.

SuperSign™ W

Key Features

Superior Picture Quality
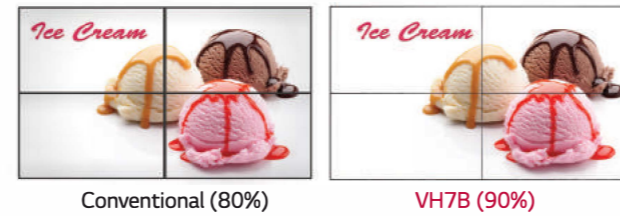
Clear Viewing Angle

The VH7B ensures clear picture quality even when installed in stacks of more than four. This is very favourable for the quantity of video walls installed in large spaces.

Even T/B/L/R angle of 45 degrees*

5m
3m
1m
45°
3 m
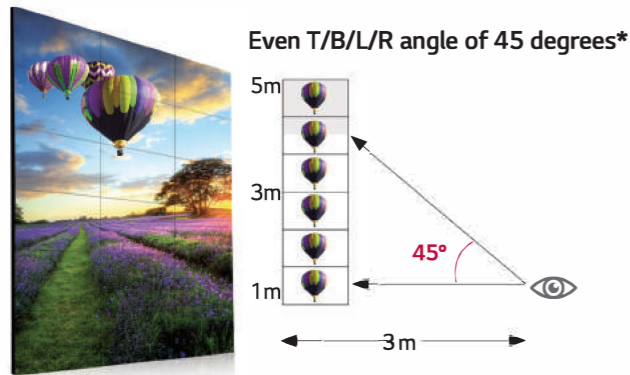
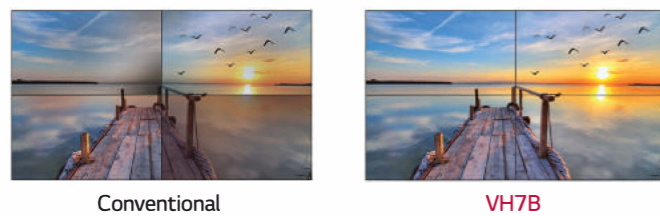*The angle from the center of the screen to have 50% of the initial luminance.

Uniform Brightness

LG's LED backlight technology guarantees high uniformity in brightness to ensure a clear picture. On other screens, certain spots may appear darker than others, but the new VH7B generates high visibility and a consistent brightness across the whole screen.

Conventional (80%) | VH7B (90%)

Convenient Options

Guide Bracket/Classified Port

A guide bracket is an attachment that ensures the video wall remains flat. The classified in/out port prevents errors when connecting to a daisy chain.

❶ Guide Bracket
❷ Classified In/Out Port
- Input: White
- Output: Green
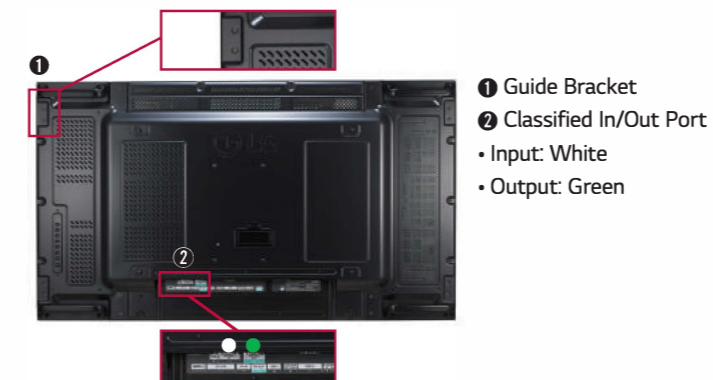
Control Buttons

With 8 control buttons, it's easy to operate various functions of the VH7B, such as controlling the OSD (On Screen Display) and changing the input source.

Input, Menu, Up/Down/Right/Left, Auto/Set, Power

Video Wall Image Creation

Through Video Wall Image Creation (VIC) technology, color and brightness differences are compensated in circuit part with an algorithm to make the panels into a same characteristic so that each video wall maintains the consistent white balance.

Conventional | VH7B

Image Gap Reduction

The VH7B includes an image improvement algorithm that can adjust to objects located in the boundary of bezel for a seamless viewing experience.
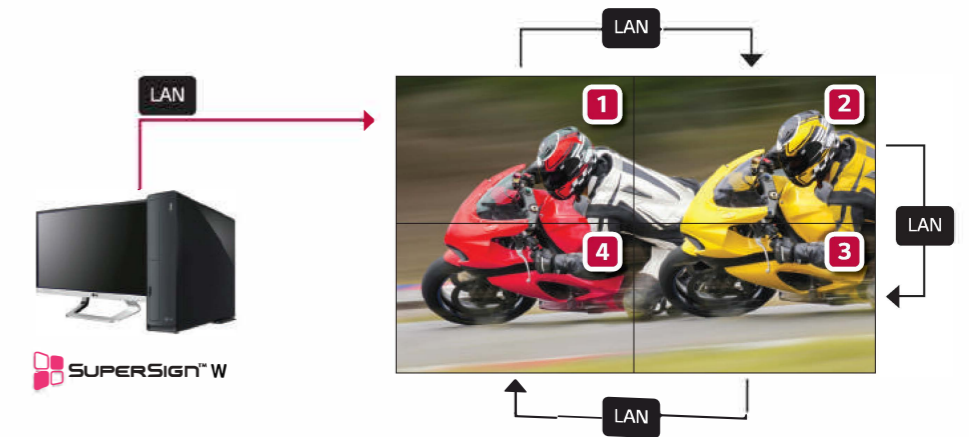

Conventional | VH7B

* This function is applied to models produced in February, 2016.

Dimension (unit: mm)

55
1,211.4x682.2x86.5mm /
18.6kg

1211.4 | 0.9 | 682.2 | 0.9 | 0.9 | 86.5 | 42.5 | 60.5 | 305.7 | 600 | 305.7 | 141.1 | 400 | 141.1 | 116 | 65.1 | 119.2