

Artistic Immersion, Overwhelming Attractiveness

World Best Class Video Wall 55VH7B/VM5B



With its borderless design, the 55VH7B/VM5B series offers maximum immersion for video walls. Its quad-core SoC plays various types of content without the need for an extra media player due to its efficient management tools. The 55VH7B/VM5B effectively raises customer awareness, particularly in areas with heavy foot traffic such as museums, galleries, and large retail stores.

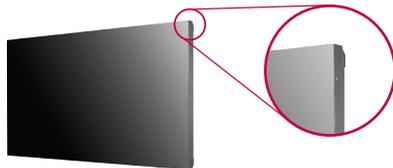
Key Features

Borderless Design



Narrow Bezel

Borderless design with its 0.9mm even panel bezel* and 1.8mm BtB(Bezel to Bezel)** size, verified by Nemko***, enables immersive and near seamless viewing experiences on assembled video wall screens.



*Panel Bezel :

The black matrix section where an image is not displayed on the front panel.

**BtB (Bezel to Bezel) :

Panel Bezel + Panel Bezel (Borderless type, no metal bezel)

***Nemko (Nogerois Elektriske Materiellkontroll) was established in 1933 as an institution for mandatory safety testing and national approval of electrical equipment to be marketed and sold in Norway. Since it was transformed into independent, self-owned foundation in 1991, it has provided worldwide testing and certification.



Smart Platform



Built-in SoC* and Synced Playback

The optimized built-in quad-core SoC in the 55VH7B/VM5B 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.



SoC

*System-on-Chip

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)

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

Artistic Immersion, Overwhelming Attractiveness

World Best Class Video Wall 55VH7B/VM5B



Screen Size

55"



55VH7B/VM5B

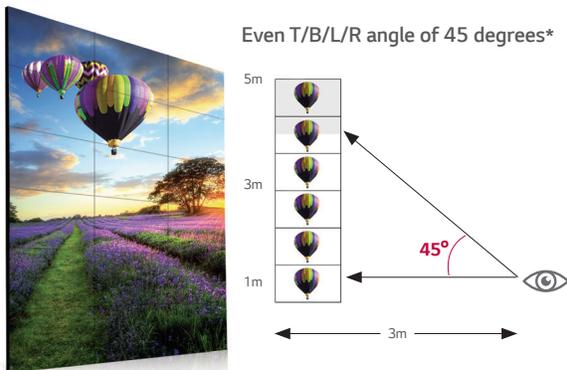
- Brightness : 55VH7B : 700cd/m²
55VM5B : 500cd/m²
- Surface Treatment :
 - 55VH7B-B : Hard coating(2H),
Anti-reflection treatment of the front polarizer (Reflectance <2%)
 - 55VH7B-H : Hard coating(3H),
Anti-glare treatment of the front polarizer (Haze 44%)
 - 55VM5B : Hard coating(2H),
Anti-glare treatment of the front polarizer (Haze 10%)
- Bezel : 0.9mm (T/B/L/R even bezel)
- Depth : 87mm
- Interface : HDMI / DVI / RGB / IR,
Daisy-chain (DP, RS232C, RJ45)

Key Features

Superior Picture Quality

Clear Viewing Angle

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



*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 55VH7B/VM5B generates high visibility and a consistent brightness across the whole screen.



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

55VH7B/VM5B

Image Gap Reduction

The 55VH7B/VM5B includes an image improvement algorithm that can adjust to objects located in the boundary of bezel for a seamless viewing experience.



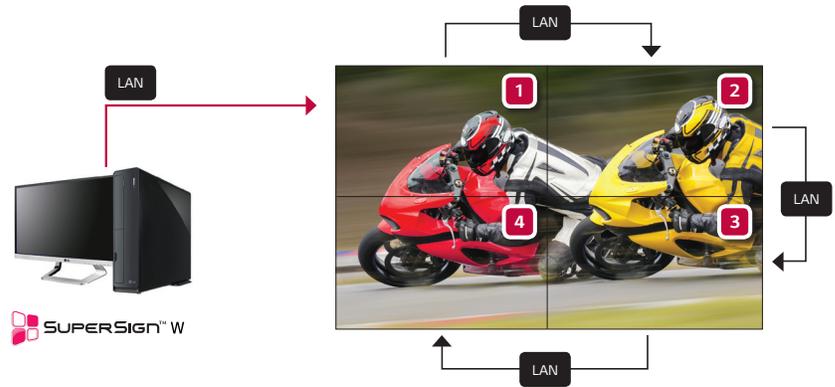
Conventional

55VH7B/VM5B

Enhanced Content Management

LAN Daisy Chain Performance

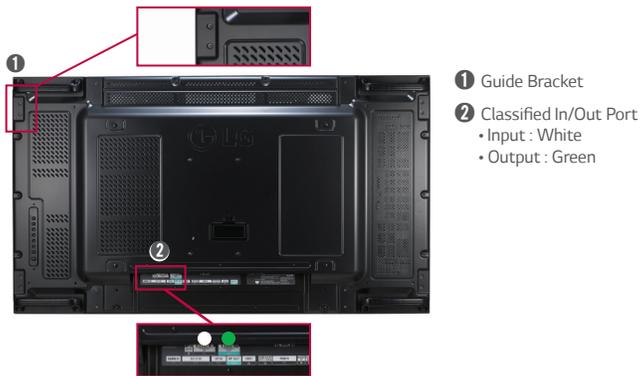
A LAN daisy chain allows you to execute commands to control and monitor the screens and even update their firmware.



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 a daisy chain.



Control Buttons

With 8 control buttons, it's easy to operate various functions of the 55VH7B/VM5B, such as controlling the OSD (On Screen Display) and changing the input source.



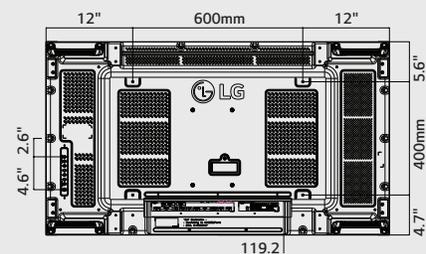
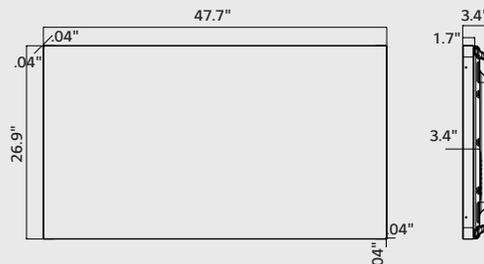
Input, Menu, Up/Down/Right/Left, Auto/Set, Power

Dimension

55"

47.7" x 26.9" x 3.4" /

41 lbs



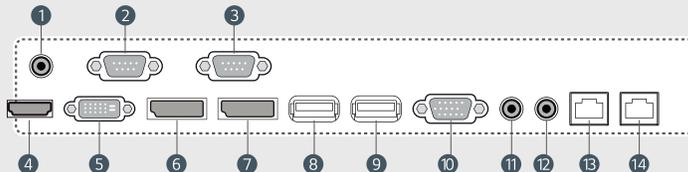
Specifications

| | 55VH7B | 55VM5B | |
|-----------------------------------|--|--|--|
| PANEL | Screen Size | 55 | |
| | Panel Technology | IPS | |
| | Aspect Ratio | 16 : 9 | |
| | Native Resolution | 1,920 x 1,080 (FHD) | |
| | Brightness | 700cd/m ² | 500cd/m ² |
| | Contrast Ratio | 1,400:1 | |
| | Dynamic CR | 500,000:1 | |
| | Viewing Angle (H x V) | 178 x 178 | |
| | Response Time | 8ms (G to G) | |
| | Surface Treatment | 55VH7B-B : Hard coating(2H), Anti-reflection treatment of the front polarizer (Reflectance <2%) 55VH7B-H : Hard coating(3H), Anti-glare treatment of the front polarizer (Haze 44%) | Hard coating(2H), Anti-glare treatment of the front polarizer (Haze 10%) |
| Life time (Typ.) | 60,000 Hours | | |
| Guranteed 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 (W x H x D) | 47.7" x 26.7" x 3.4" | |
| | Weight (Head) | 41 lbs | |
| | Carton Dimensions (W x H x D) | 53.3" x 85.5 x 263mm | |
| | Packed Weight | 55.8 lbs | |
| VESA™ Standard Mount Interface | 600 x 400mm | | |
| 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 | 32° F to 104° F | |
| | Operating Humidity Range | 10 % to 80 % | |
| POWER | Power Supply | 100-240V~, 50/60Hz | |
| | Power Type | Built-In Power | |
| POWER CONSUMPTION | Typ. | 160W | 150W |
| | Smart Energy Saving | 110W | 80W |
| 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 | OPS Kit (KT-OPSA), HDBaseT (EB-B100) | |
| OTHER | UPC | 7 19192 19831 9 | TBD |
| | WARRANTY | 3-Year Limited Warranty (Parts and Labor) Extended Warranties Available | |

Connectivity

55VH7B/VM5B

- 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



Download LG Commercial Display Mobile App



More info www.lgcommercial.com

YouTube youtube.com/c/LGCommercialDisplay

LG may make changes to specifications and product descriptions without notice.
Copyright © 2016 LG Electronics Inc. All rights reserved. "LG Life's Good" is a registered of LG Corp.
The names of products and brands mentioned here may be the trademarks of their respective owners.
LG_SPEC_55VH7B+VM5B_051633_PR

