A I R ⚛ W A V E

Specifications

		55VH7B	55VM5B	49VH7C	49VM5C
PANEL	Screen Size	55"	55"	49"	49"
	Panel Technology	IPS			
	Aspect Ratio	16 : 9			
	Native Resolution	1,920 x 1,080 (FHD)			
	Brightness	700 cd/m²	500 cd/m²	700 cd/m²	500 cd/m²
	Contrast Ratio	1,400:1	1,400:1	1,300:1	1,300:1
	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(2 H), Anti-reflection treatment of the front polarizer (Reflectance <2 %) 55VH7B-H : Hard coating(3 H), Anti-glare treatment of the front polarizer (Haze 44 %)	Hard coating(2 H), Anti-glare treatment of the front polarizer (Haze 10 %)	Hard coating (2 H), Anti-glare low reflection treatment of the front polarizer (Haze 3 % (Typ))	Hard coating (3 H), Anti-glare treatment of the front polarizer (Haze 10 %)
	Guranteed Operating Hour	24 Hours			
	Orientation	Portrait & Landscape			
CONNECTIVITY	Input	HDMI, DP, DVI-D, OPS, Audio, USB 2.0, USB 3.0, RGB			
	Output	DP, Audio			
	External Control	RS232C, RJ45, IR Receiver			
PHYSICAL SPECIFICATION	Bezel Color	-			
	Bezel Width	0.9 mm (Top/Bottom/Left/Right even bezel) / 1.8 mm *B to B : Panel Bezel + Panel Bezel			
	Monitor Dimension (W x H x D)	1,211.4 x 682.2 x 86.5 mm	1,211.4 x 682.2 x 86.5 mm	1,075.6 x 605.8 x 86.2 mm	1,075.6 x 605.8 x 86.2 mm
	Weight (Head)	18.6 kg	18.6 kg	17.5 kg	17.5 kg
	Carton Dimensions (W x H x D)	1,353 x 855 x 263 mm	1,353 x 855 x 263 mm	1,214 x 775 x 263 mm	1,214 x 775 x 263 mm
	Packed Weight	25.3 kg	25.3 kg	23.2 kg	23.2 kg
	VESA™ Standard Mount Interface	600 x 400 mm			
SPECIAL FEATURES		Temperature Sensor, Tile Mode (up to 15 x 15), Natural Mode@Tile Mode, Energy Saving, Smart Energy Saving, File Play with USB, Internal Memory (8 GB, System 4 GB + Available 4 GB), Wi-Fi Dongle Ready, USB Cloning, Content Scheduling, Fail over (USB, RGB, DVI, HDMI, Internal Memory)			
ENVIRONMENTAL CONDITIONS	Operating Temperature Range	0 °C to 40 °C			
	Operating Humidity Range	10 % to 80 %			
POWER	Power Supply	100-240V~, 50/60Hz			
	Power Type	Built-In Power			
POWER CONSUMPTION	Typ.	220 W	150 W	TBD	120 W
	Smart Energy Saving	110 W	80 W	TBD	70 W
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC			
	EMC	FCC Class "A" / CE / KCC			
	ErP / Energy Star	NA / Yes (Energy Star 7.0)			
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes			
	External Media Player Attachable	Yes (MP500/MP700)			
SOFTWARE COMPATIBILITY	SuperSign W/Lite	Yes			
	SuperSign C	Yes			
ACCESSORIES	Basic	Remote controller, Power cable, DP cable, Manual, IR receiver, RS-232C cable, LAN cable, Guide bracket, Screws			
	Optional	Wall mount (Landscape: WM-L640V, Portrait: WM-P640V), OPS kit (KT-OPSA), HDBaseT (EB-B100)			

Connectivity

55VH7B/VM5B, 49VH7C/VM5C

❶ IR IN
❷ RS-232C IN
❸ RS-232C OUT
❹ HDMI IN
❺ DVI-D IN
❻ DP IN
❼ DP OUT
❽ USB 2.0 IN
❾ USB 3.0 IN
❿ RGB/COMPONENT/AV IN
⓫ AUDIO IN
⓬ AUDIO OUT
⓭ LAN IN
⓮ LAN OUT

ENERGY STAR
HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE
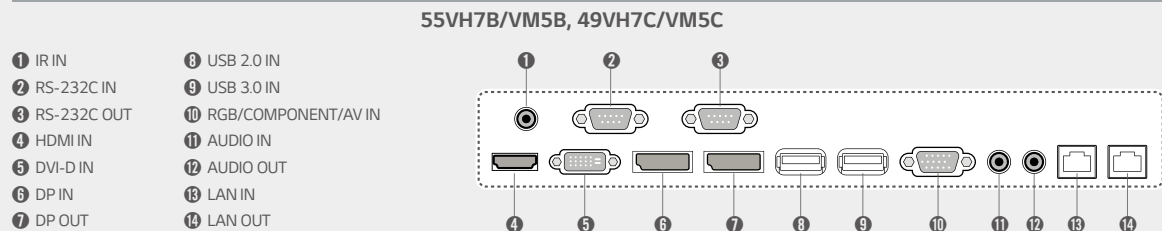
Learn more www.lg.com/b2b or www.lgcommercial.com
youtube.com/c/LGCommercialDisplay

LG Life's Good

Artistic Immersion, Overwhelming Attractiveness
World Best Class Video Wall 55VH7B/VM5B, 49VH7C/VM5C
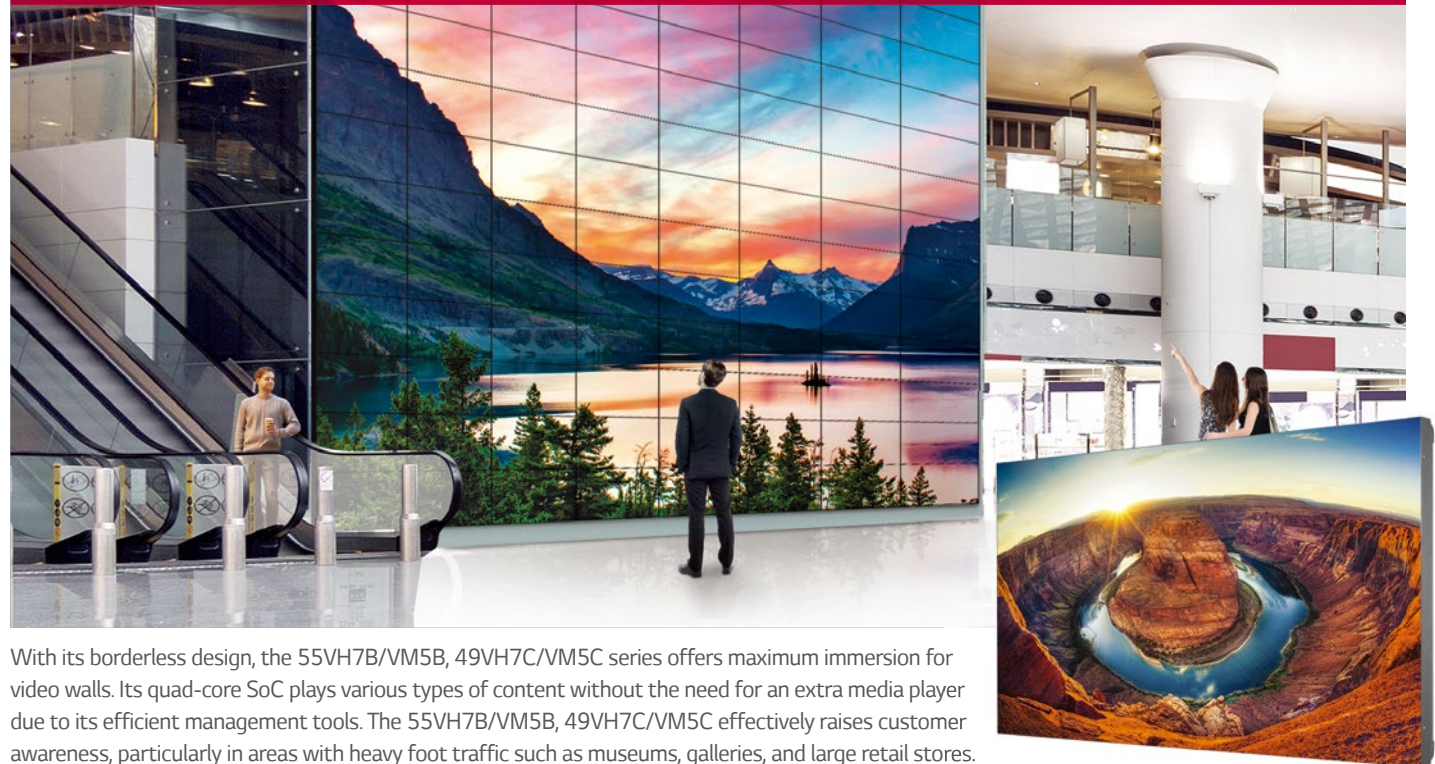
With its borderless design, the 55VH7B/VM5B, 49VH7C/VM5C series offers maximum immersion for video walls. Its quad-core SoC plays various types of content without the need for an extra media player due to its efficient management tools. The 55VH7B/VM5B, 49VH7C/VM5C effectively raises customer awareness, particularly in areas with heavy foot traffic such as museums, galleries, and large retail stores.
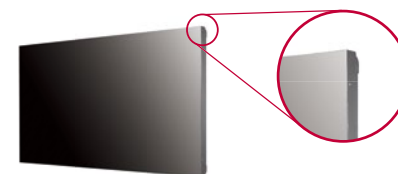
Key Features

Borderless Design

Narrow Bezel

Borderless design with its 0.9 mm even panel bezel* and 1.8 mm BtB (Bezel to Bezel)** size, verified by Nemko***, 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.
**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.

Nemko

Smart Platform

Built-in SoC* and Synced Playback

The optimized built-in quad-core SoC in the 55VH7B/VM5B, 49VH7C/VM5C 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
1.2 GHz Quad Core CPU
Memory
2.5 GB double data 3 (DDR3) 32 bit memory
GPU
550MHz video processor with full codec (WMV, MP4, HEVC, VP9, and H.264 capabilities)
Internal Memory
A storage of 8 GB (4 GB is occupied by system)

webOS

The webOS 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

LG Life's Good

Artistic Immersion, Overwhelming Attractiveness
World Best Class Video Wall 55VH7B/VM5B, 49VH7C/VM5C

Screen Size
49", 55"

**55VH7B/VM5B, 49VH7C/VM5C**
- Brightness: 55VH7B/49VH7C: 700 cd/m², 55VM5B/49VM5C: 500 cd/m²
- Surface Treatment:
  - 55VH7B-B: Hard coating(2 H), Anti-reflection treatment of the front polarizer (Reflectance <2 %)
  - 55VH7B-H: Hard coating(3 H), Anti-glare treatment of the front polarizer (Haze 44 %)
  - 55VM5B: Hard coating(2 H), Anti-glare treatment of the front polarizer (Haze 10 %)
  - 49VH7C: Hard coating (2 H), Anti-glare low reflection treatment of the front polarizer (Haze 3 % (Typ))
  - 49VM5C: Hard coating(3 H), Anti-glare treatment of the front polarizer (Haze 10 %)
- Bezel: 0.9 mm (T/B/L/R even bezel)
- Depth:
  - 55VH7B/VM5B: 86.5 mm
  - 49VH7C/VM5C: 86.2 mm
- Interface: HDMI / DVI / RGB / IR, Daisy-chain (DP, RS232C, RJ45)

IPS | 24hr/7days | SuperSign™ | webOS

Key Features

Superior Picture Quality

Clear Viewing Angle
The 55VH7B/VM5B, 49VH7C/VM5C ensures clear picture quality even when installed in stacks of more than four. This is very favorable for the quantity of video walls installed in large spaces.

Half luminance angle (vertical-wise): 45 degree*

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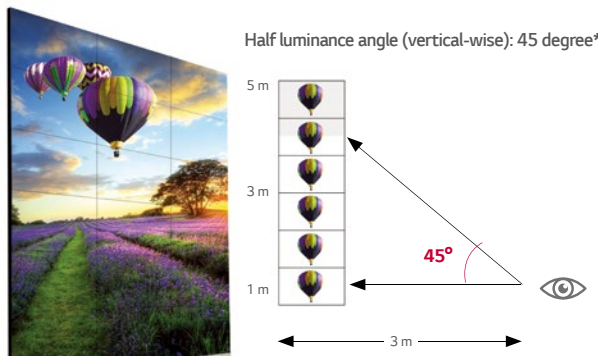
*The angle from the center of the screen to have 50 % of the initial luminance.

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, 49VH7C/VM5C generates high visibility and a consistent brightness across the whole screen.

Conventional (80 %)

55VH7B/VM5B, 49VH7C/VM5C (90 %)

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.
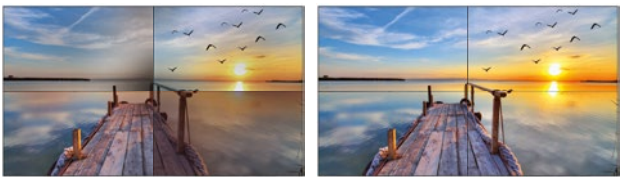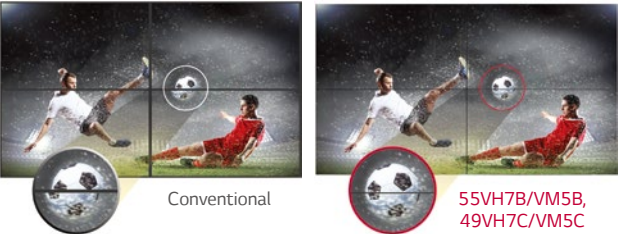
Conventional

55VH7B/VM5B, 49VH7C/VM5C

Image Gap Reduction
The 55VH7B/VM5B, 49VH7C/VM5C includes an image improvement algorithm that can adjust to objects located in the boundary of bezel for a seamless viewing experience.
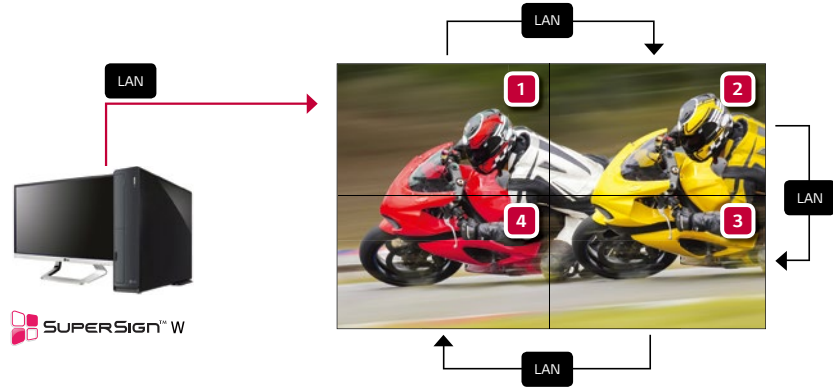
Conventional

55VH7B/VM5B, 49VH7C/VM5C

Enhanced Content Management
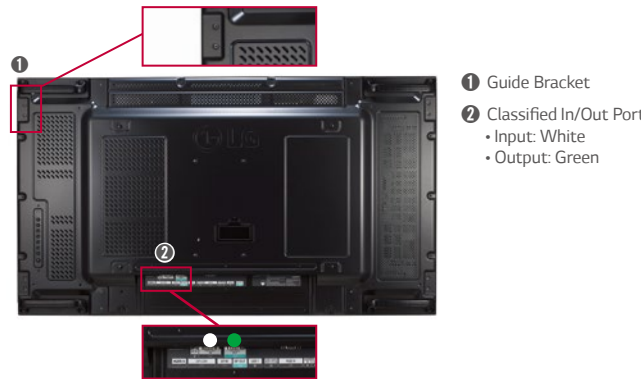
LAN Daisy Chain Performance
A LAN daisy chain allows you to execute commands to control and monitor the screens and even update their firmware.

SuperSign™ W

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.

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

Control Buttons
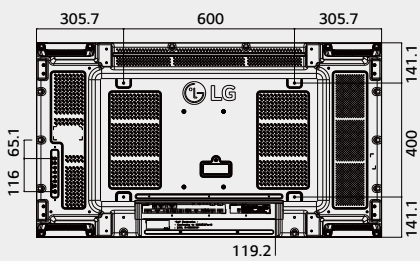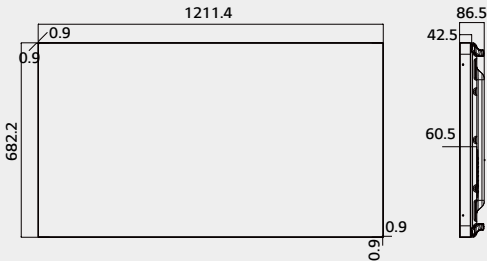With 8 control buttons, it's easy to operate various functions of the 55VH7B/VM5B, 49VH7C/VM5C, such controlling the OSD (On Screen Display) and changing the input source.

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

Dimension (unit : mm)

55"
1,211.4 x 682.2 x 86.5 mm
18.6 kg

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

49"
1,075.6 x 605.8 x 86.2 mm
17.5 kg

1075.6 | 0.9 | 86.2 | 42.2 | 237.8 | 600 | 237.8
605.8 | 60.2 | 116 | 119.8 | 116 | 102.9 | 400 | 102.9
82