

▶ 55VH7B

55" Class (54.6" diagonal)



With its borderless design, the VH7B series offers maximum immersion for video walls. Engineered with efficient management tools such as quad-core System on Chip (SoC) which plays various types of content without the need for an external media player. The VH7B is perfect to effectively raise a customer's awareness, particularly in areas with heavy foot traffic such as museums, galleries, and large retail stores.

KEY FEATURES

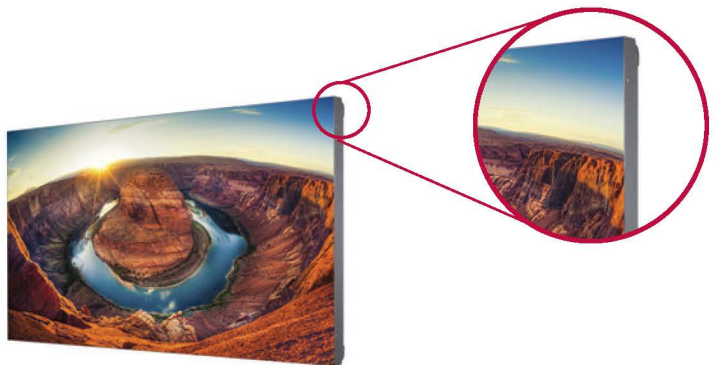
Borderless Design



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.



SoC

- 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 Software Development Kit (SDK) and technical supports make content development and management easier.



<http://developer.lge.com/webOSSignage>

Software

ADVANCED COLOR ADJUSTMENT

- Intuitive GUI in SuperSign C software allows measurement, color adjustment and brightness instantly on display
- Automatic white balancing of a videowall display when using a sensor



SuperSign C

REMOTE MONITORING AND CONTROL

Intuitive GUI-based Remote Monitoring & Control via the networks and RS232 connection feature in SuperSign C software.

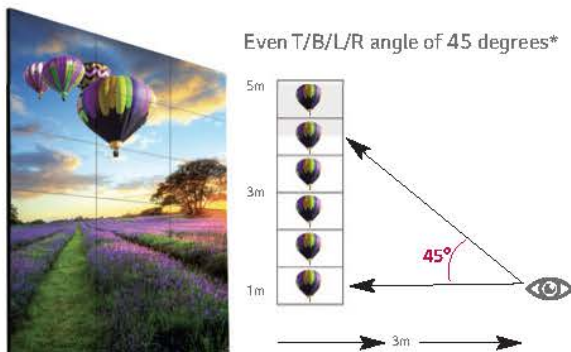


SuperSign C

Superior Picture Quality

CLEAR VIEWING ANGLE

The VH7B 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.



*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%)

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.

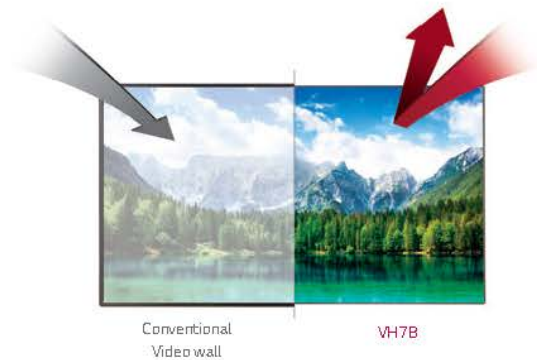


Conventional

VH7B

SHINE OUT

The VH7B is the perfect fit for window displays because it reflects sunlight for better visibility and a clearer image than conventional panels.



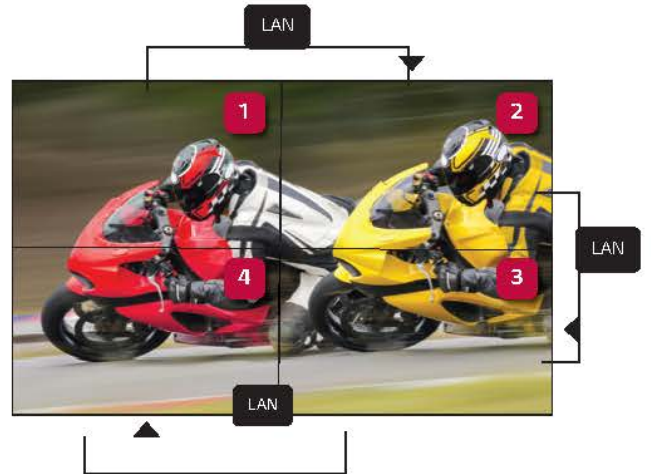
Conventional Video wall

VH7B

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.

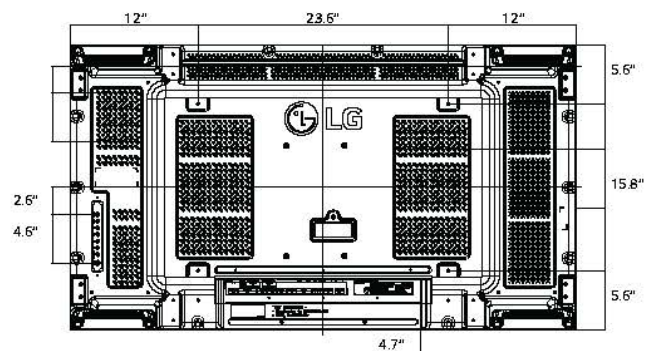
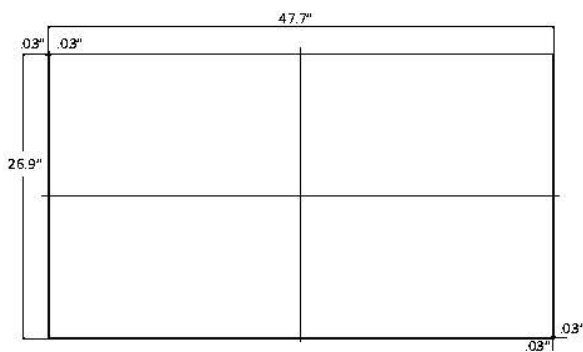


CONTROL BUTTONS

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

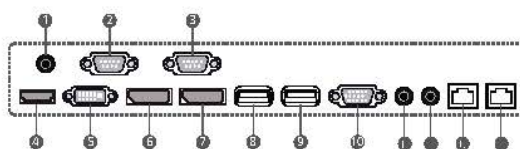


Dimensions



Rear Jack Panel

- 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



55VH7B

Extraordinary Premium Video Wall Panel

▶ 55VH7B

55" Class (54.6" diagonal)

PANEL	Model name	55VH7B	SPECIAL FEATURES	Model name	55VH7B	
PANEL	Screen Size	55" class (54.64" diagonal)	ENVIRONMENT CONDITIONS	File Play With USB	Yes	
	Panel Technology	IPS		Internal Memory	8GB (System 4GB + Available 4GB)	
	Aspect Ratio	16:9		Wi-Fi	WiFi Dongle Ready	
	Native Resolution	1920 x 1080 (FHD)		USB Cloning	Logo image download, Sent to USB, Receive from USB	
	Pixels (H x V x 3)	6,220,800		Contents Scheduling	USB, Internal memory	
	Brightness	700cd/m ²		Calibration Mode	Yes	
	Contrast Ratio	1,400:1		DST(Summertime Saving)	Yes	
	Dynamic CR	500,000:1		Sync Mode	Time sync, Content sync	
	Color Gamut	72%		PM Mode	Yes	
	Viewing Angle (H x V)	178 x 178		Framework Update (LAN)	Yes	
	Color Depth	1.06 Billion		Local Time Auto Setting	Yes	
	Response Time	8ms (G to G BW)		Still Image Diagnosis	Yes	
	Running Time	24Hr		HDMI-CEC	Yes	
Orientation	Portrait & Landscape	Wake On LAN	Yes			
INPUT	HDMI	HDMI	Digital Audio Input	Yes		
	DP	DP	Power On Delay	0 - 255		
	DVI-D	DVI-D	Pivot Mode	Yes		
	OPS	OPS	Content Rotation	0,90		
	Analog	RGB	OSD Portrait Mode	0,90		
	RS232C IN	Yes	Intelligent Auto	Yes		
	RJ45 In	Yes	Password Change	Yes		
	IR Receiver	Yes	SetID Setup	Manual, Auto		
	USB (USB3.0, USB2.0)	Yes (1) / Yes (1)	Configuration Setup	USB auto Playback		
	HDTV Formats	HDMI : 720p, 1080i, 1080p	Lock Mode	USB		
OUTPUT	DP Out	Yes (1), DP1.2a/HDCP1.3	Fail Over	USB, RGB, DVI, HDMI, Internal Memory		
	Audio Out	Yes	SuperSign Server Setup	Signage name, Server IP setting, Server IP Status		
	RS232C OUT	Yes	Media Share	Yes		
	RJ45 Out	Yes	Beacon	Yes		
	Temperature Sensor	Yes	Embedded Template	Yes		
SPECIAL FEATURES	Tile Mode	Yes (Up to 15x15)	Check Screen	Yes		
	Natural Mode @Tile Mode	Yes	OPS PC Power Control	Sync On, Sync On/Off, Disable		
	Source Selection	RGB, HDMI, DVI, DP, OPS, USB	POWER	Operation Temperature	32°F - 104°F	
	Brightness/Contrast/Backlight	Yes		Operation Humidity	10% - 90%	
	Position/Size	Yes	Power Supply	100-240V-, 50/60Hz		
	Auto Config/Phase	Yes	Power Type	Built-In Power		
	CABINET	Language (OSD)	English, French, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek	Typ	220W	
		ISM Method	Normal, Orbiter, inversion, White wash, User Image/Video, Washing Bar	Smart Energy Saving	110W	
		Advanced	Clear White, Dynamic Contrast, Dynamic Color, Noise Reduction, Gamma, Black Level, Skin color, Digital Noise Reduction	DPM	0.7W	
		Time	Clock, On/off Time, Sleep Timer, Power on Delay	Power Off	0.5W	
		Input Label	Yes (PC/DTV)	CERTIFICATION	Safety, EMC, ErP / ENERGY STAR®	UL / cUL / CB / TUV / KC / FCC Class "A" / CE / KCC / FCC Class "A" / CE / KCC
		Power On Status	Standby, PWR, LST		MEDIA PLAYER COMPATIBILITY	OPS Type Compatible
		Key Operation	IR operation, Local key operation	External Media Player Attachable		Yes (MP500/MP700)
		DPM Select	Yes	SuperSign-W lite	Yes	
		Energy Saving	Yes (Off / Minimum / Medium / Maximum / Screen Off)	SuperSign-C	Yes	
ACCESSORIES		Smart Energy Saving	Yes	OTHER	UPC	7 19192 19831 9
	WARRANTY	3-Year Limited Warranty Parts/Labor/Backlight Extended warranty options are also available				
		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), HD Base T(EB-B100)			

* SuperSign software is available at: <http://www.lg.com/us/commercial/video-walls>



LGsolutions.com



LG Electronics U.S.A., Inc.
HE B2B Division
2000 Millbrook Drive
Lincolnshire, IL 60069

Customer Service: 888.865.3026
www.LGsolutions.com/support

Contact your LG Regional Sales Representative:
Channel: 800.897.8871
Hospitality: 800.228.1236
E-mail: info@lgsolutions.com

SPEC_55VH7B_071517_PR

All screen images are simulated. Dimensions and weights are approximate. Design, features and specifications subject to change without notice.

© Copyright 2015 LG Electronics USA, Inc. All Rights Reserved. "LG Life's Good" is a registered trademark of LG Corp All other product and brand names are trademarks or registered trademarks of their respective companies.

Printed in the USA September 2015