Smart Video Wall with Ultra Narrow Bezel

VL5D

Video walls are key to differentiating your store's image, enriching the shopping experience of consumers, and promoting and displaying products. The 49VL5D is an optimum model for meeting such demands, with a smart platform that enhances operational efficiency. Using a webOS-based platform, it is possible to edit, change, and distribute content across hundreds of signage displays at any time without the need for dedicated media players.

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Immersive Viewing Experience
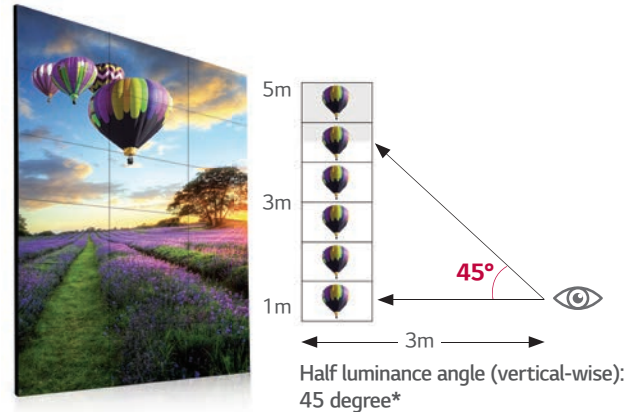
Ultra Narrow Bezel

The 3.5mm ultra narrow bezel size creates immersive and seamless viewing experiences on assembled video wall screens.

Bezel to Bezel 3.5mm
2.25mm (Left/Top)
1.25mm (Right/Bottom)

Wide Viewing Angle

Stable image reproduction is critical in video walls, as it is usually installed in places above eye level and is seen from various angles. Thanks to the IPS panel and the high half luminance angle, VL5D delivers the best picture quality from any viewer position.

5m
3m
1m

45°

3m

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

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

Consistent White Balance

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.
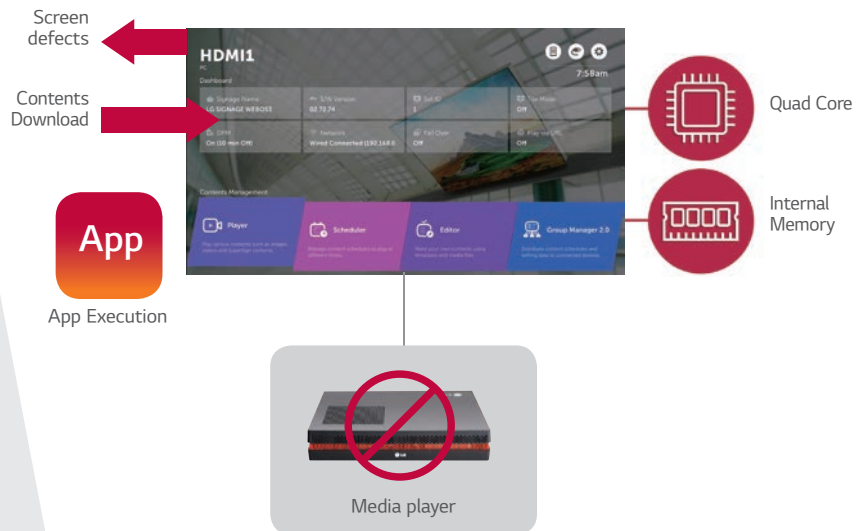

Conventional

49VL5D

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Smart Platform

High-Performance SoC with webOS

Quad Core SoC* can execute several tasks at the same time without a separate media player, saving TCO. Due to its internal memory, pre-loaded contents are displayed without external inputs. In addition, webOS platform enhances user convenience with intuitive UI and simple app development tools.
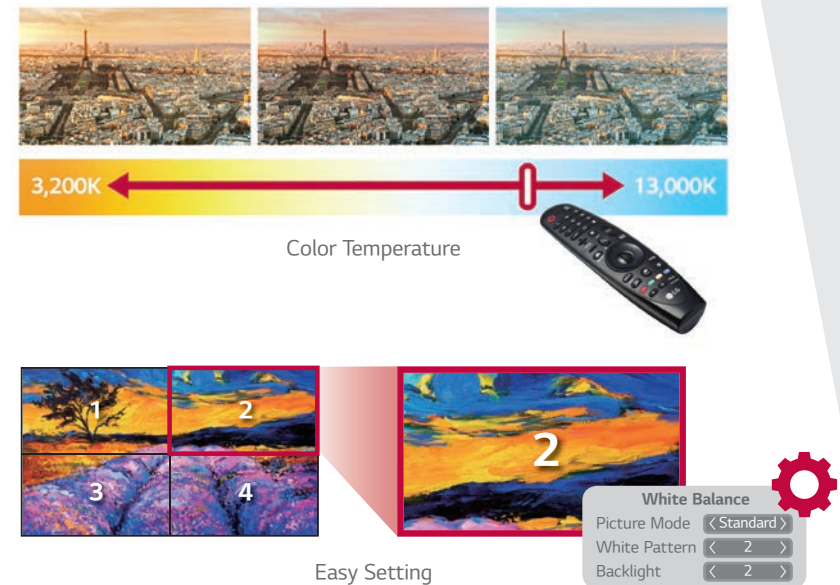
Screen defects

Contents Download

App

App Execution

Quad Core

Internal Memory

Media player

*System on Chip

Enhanced Usability

Dedicated Menu for Video Wall

Depending on the content, the color temperature of the screen can be easily adjusted by users with a remote control. Also, the settings for tile mode and white balance become more convenient because the dedicated menu is specialized based on the visual guide.
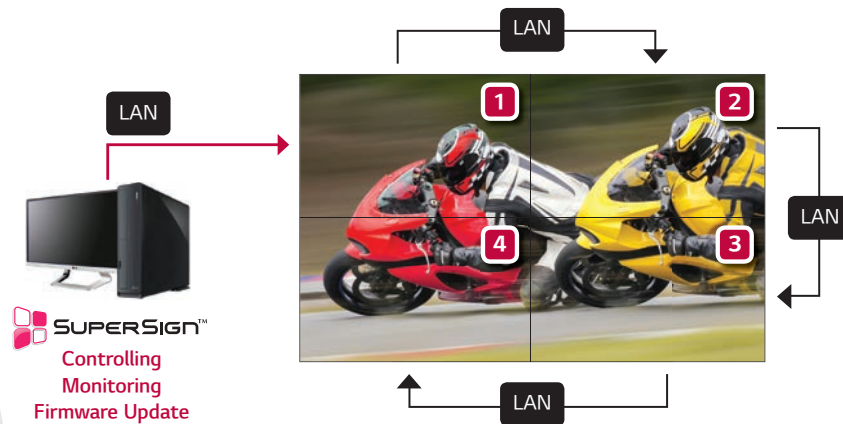
3,200K   13,000K

Color Temperature

Easy Setting

White Balance
Picture Mode ‹ Standard ›
White Pattern ‹ 2 ›
Backlight ‹ 2 ›

Smart Video Wall with Ultra Narrow Bezel
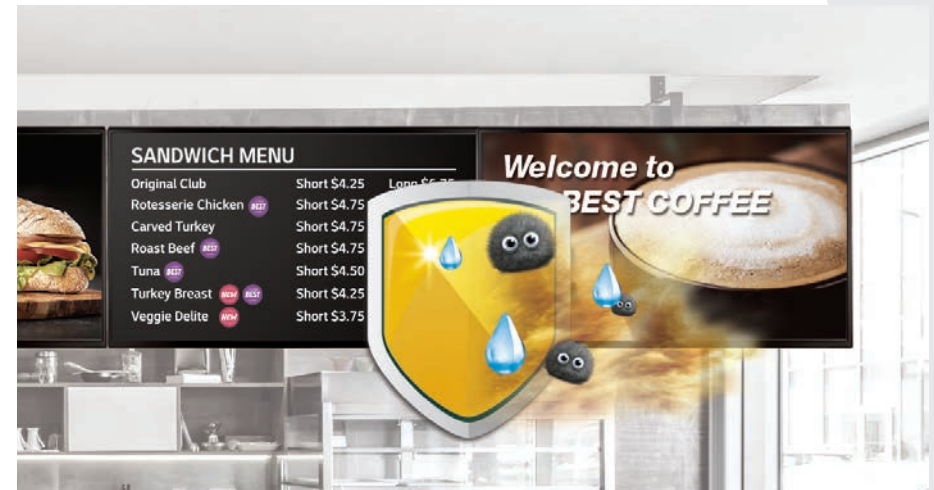## VL5D

Convenient Management

LAN Daisy Chain Supportive

The LAN daisy chain allows users to control and monitor signage, distribute content, and even update firmware all at once.
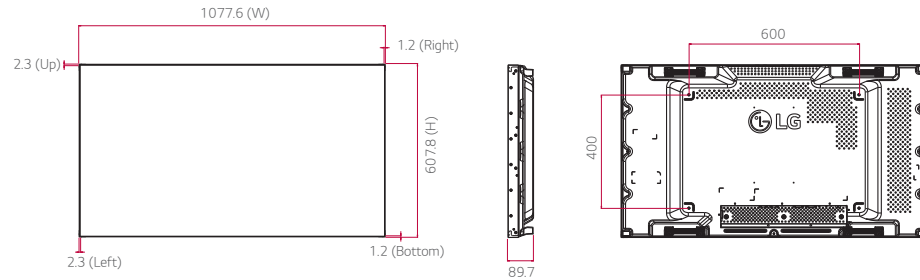

Dust & Humidity Protection

Conformal Coating Circuit board reliability is enhanced with conformal coating that protects against dust, iron powder, humidity and other harsh conditions.
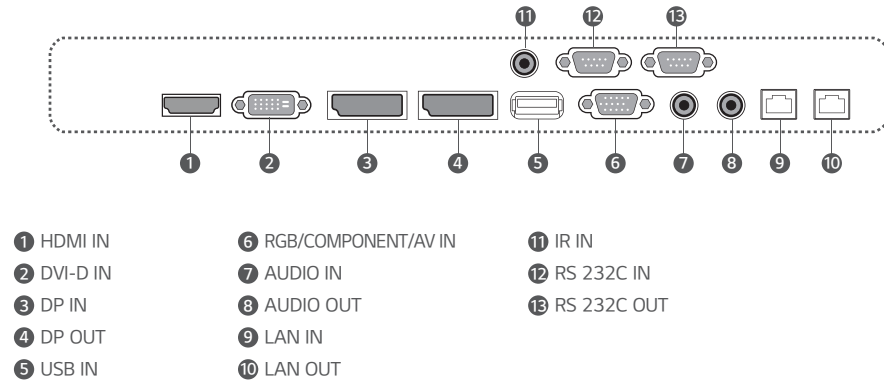
Dimension

49"

1077.6 (W)

1.2 (Right)

2.3 (Up)

607.8 (H)

2.3 (Left)

1.2 (Bottom)

89.7

600

400

Connectivity

① HDMI IN
② DVI-D IN
③ DP IN
④ DP OUT
⑤ USB IN

⑥ RGB/COMPONENT/AV IN
⑦ AUDIO IN
⑧ AUDIO OUT
⑨ LAN IN
⑩ LAN OUT

⑪ IR IN
⑫ RS 232C IN
⑬ RS 232C OUT

Specifications

VL5D

PANEL	Screen Size	49"
	Panel Technology	IPS
	Aspect Ratio	16:9
	Native Resolution	1,920 x 1,080 (FHD)
	Brightness	450 cd/m^2
	Contrast Ratio	1,300:1
	Viewing Angle (H x V)	178 x 178
	Response Time	8 ms (G to G)
	Surface Treatment	Hard Coating(3H), Anti-Glare Treatment of the Front Polarizer (Haze 10%)
	Operation Hours	24 Hrs
	Orientation	Landscape & Portrait
CONNECTIVITY	Input	HDMI, DP, DVI-D, RGB, Audio, USB 3.0
	Output	DP, Audio
	External Control	RS232C In/out, RJ45 In/out, IR Receiver In
PHYSICAL SPECIFICATION	Bezel Color	Black
	Bezel Width	2.3 mm (L/T) / 1.2 mm (R/B)
	Monitor Dimension (W x H x D)	1,077.6 x 607.8 x 89.7 mm
	Weight(Head)	17.8 kg
	Carton Dimensions (W x H x D)	1,214 x 778 x 263 mm
	Packed Weight	22.8 kg
	Handle	Yes
	VESA^{TM} Standard Mount Interface	600 x 400 mm
SPECIAL FEATURES		webOS 3.0+, Temperature Sensor, Tile Mode (up to 15x15), Natural Mode @Tile Mode, ISM Method, DPM Select, DPM Wake Up, Energy Saving, File Play with USB, Internal Memory 8GB (System 4GB + Available 4GB), USB Cloning, Contents Scheduling, Calibration Mode, Sync Mode, PM Mode, Wake on LAN, Pivot Mode, Fail Over, Media Share
ENVIRONMENT CONDITIONS	Operation Temperature Range	0°C to 40°C
	Operation Humidity Range	10% to 80%
POWER	Power Supply	100-240V~, 50/60Hz
	Power Type	Built-in Power
	Power Consumption — Typ.	93 W
	Power Consumption — Max	110 W
	Power Consumption — Smart Energy Saving	50 W
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC
	EMC	FCC Class "A" / CE / KCC
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	-
	External Media Player Attachable	Yes (MP500/MP700)
SOFTWARE COMPATIBILITY	Content Management Software	SuperSign Premium
	Control and Monitoring Software	SuperSign Link
ACCESSORIES	Basic	Remote Controller, Power Cable, DP Cable, Manual, IR Receiver, RS232C Cable, LAN Cable, Guide Bracket, Screws
	Optional	Wall Mount (Landscape: WM-L640V/ Portrait: WM-P640V)

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