Artistic Space Beyond Display, LG Wallpaper OLED Signage

EJ5E Series

This sophisticated OLED wallpaper display achieves the best possible picture quality, minimizing its presence by blending in with the wall. Minimal space is required for installation, which simplifies the process. The luxurious atmosphere generated with this display will provide customers with an extraordinary experience.

LG | Business Solutions

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Unrivaled Picture Quality

Perfect Black
Limitless contrast and the deepest blacks
Self-lighting pixels switch off completely to reproduce absolutes blacks with no light bleed, offering infinite contrast

Perfect Color
Accurate & stable color reproduction
Self-lighting pixels bring colors to life with superb accuracy.

Perfect Viewing Screen
Wide viewing angle
LG OLED Signage delivers awe-inspiring picture quality across the entire screen, even from wide viewing angles.

LCD   LG OLED Signage

LCD   LG OLED Signage

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Ultimate Elegance in Design

Perfect Design

LG's OLED technology unlocks the new worlds of design flexibility with unbelievably lightweight and slim display. The advantages the OLED display brings include easier installation, lighter weight, slimmer thickness and a more sleek appearance.
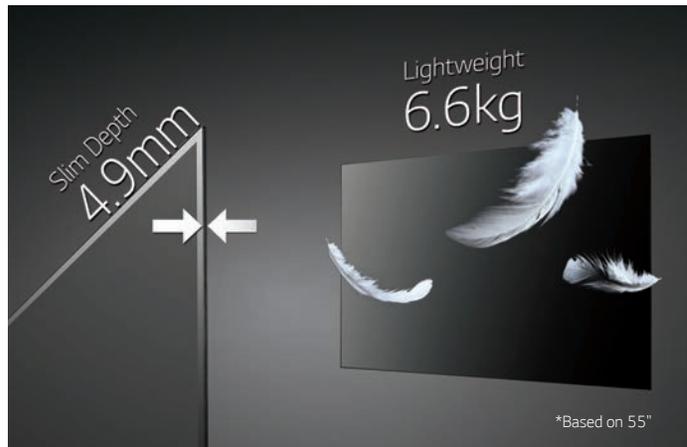
Hide in Plain Sight

The subtle edge of the wallpaper OLED blends in with the wall, giving audiences the sensation that content is being played directly within the wall itself. Integrating with and adding to a luxurious interior design, the wallpaper OLED is a stunning method for delivering advertisements and information.

Slim Depth 4.9mm

Lightweight 6.6kg

*Based on 55"

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Realizing an Immersive View

N×N Expandable Viewing Area

By tiling displays horizontally and vertically, the viewing area can be as large as users want. Expansive, large viewing areas deliver more impact because they provide an incredibly immersive viewing experience.
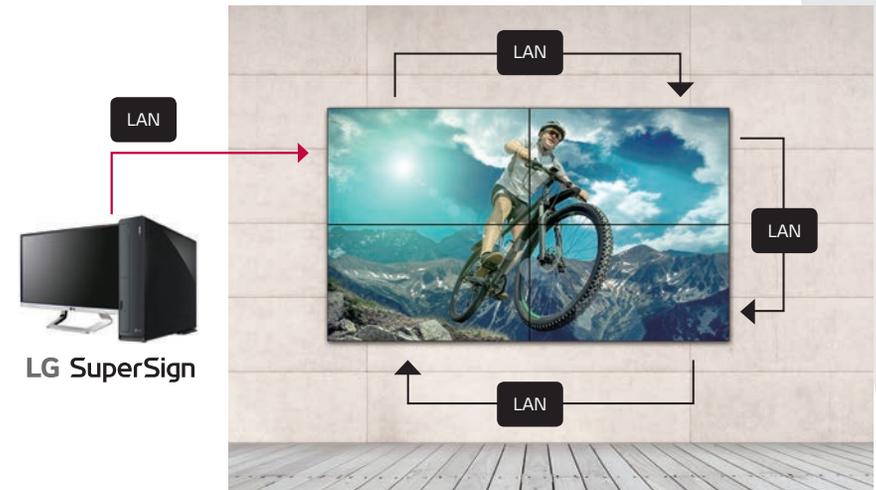
LAN Daisy Chain Management

A LAN daisy chain is supported, allowing you to execute centralized commands to control and monitor the displays and even update their firmware.

Seam (On-Bezel) 65"/55"
T+B: 18.8 mm / 16.3 mm
L+R: 16.6 mm / 10.6 mm

LAN

LG SuperSign

LAN
LAN
LAN
LAN

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Easy Installation

Wall Fixers Optimized for Simple Tiling

The installation process of the wallpaper OLED has become much easier. Once the dedicated "wall fixers" are installed, a display can be easily hung on them. Video wall tiling has become more convenient, thanks to the front installation feature, which departs from the conventional side-sliding method.
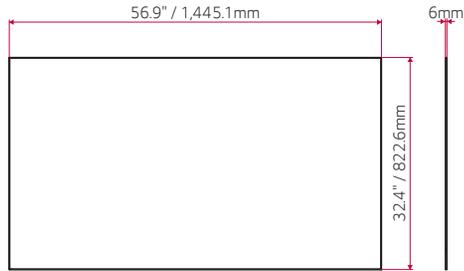
Enhanced Flexibility of Cables

As a result of in-depth analysis of use-case scenarios, improvements have been made to the flexibility of cables connecting the display to the signage box. These new cables are pliable enough to be easily embedded in a wall or other structures.
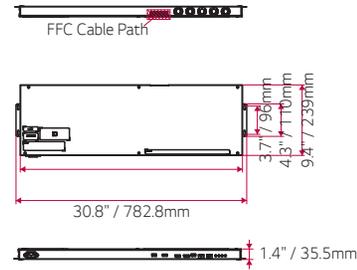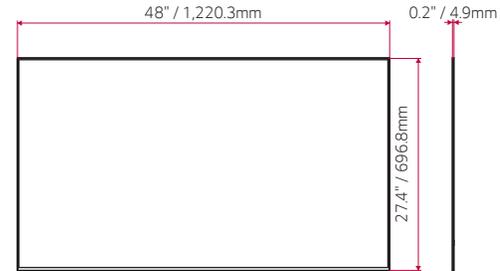
Conventional

EJ5E Series

Wall

Display

Common FFC Cables
(x 4)

Signage Box

Dimensions

65"

Head

56.9" / 1,445.1mm
6mm
32.4" / 822.6mm

Signage Box

FFC Cable Path
3.7" / 96mm
4.3" / 110mm
9.4" / 239mm
30.8" / 782.8mm
1.4" / 35.5mm

55"

Head

48" / 1,220.3mm
0.2" / 4.9mm
27.4" / 696.8mm

Signage Box
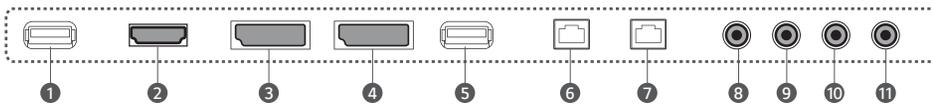
4.3" / 110mm
9.4" / 238.4mm
29.7" / 754mm
30.8" / 782.8mm
1.4" / 34.7mm
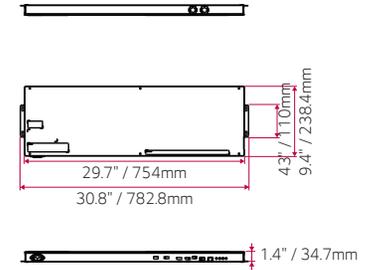
Connectivity (Signage Box)

65" / 55"

1. USB 2.0
2. HDMI IN
3. DP IN
4. DP OUT
5. USB 2.0
6. LAN IN
7. LAN OUT
8. IR IN
9. RS232C IN
10. RS232C OUT
11. AUDIO OUT

Specifications

		65EJ5E	55EJ5E
PANEL	Screen Size	65"	55"
	Panel Technology	OLED	OLED
	Aspect Ratio	16 : 9	16 : 9
	Native Resolution	3,840 x 2,160 (UHD)	1,920 x 1,080 (FHD)
	Brightness (Typ.)	400/150 nits (Average Picture Level 25%/100%)	400/150 nits (Average Picture Level 25%/100%)
	Viewing Angle (H x V)	178 x 178	178x178
	Response Time	1ms (G to G), 8ms (MPRT)	1ms (G to G), 8ms (MPRT)
	Surface Treatment (Haze)	Hard Coating (2H), Anti-reflection Treatment of the Front Polarizer (Reflectance Typ. 1.2%)	Hard Coating (2H), Anti-reflection Treatment of the Front Polarizer (Reflectance Typ. 1.2%)
	Life Time (Typ.)	30,000 Hrs	30,000 Hrs
	Operation Hours	12 Hrs / 7 Days * Moving Video Only	18 Hrs / 7 Days * Moving Video Only
	Orientation	Landscape & Portrait	Landscape & Portrait
CONNECTIVITY	Input	HDMI, DP, USB 2.0 (2)	HDMI, DP, USB 2.0 (2)
	Output	DP, Audio	DP, Audio
	External Control	RS232C In/out, RJ45 (LAN) In/out, IR In	RS232C In/out, RJ45 (LAN) In/out, IR In
PHYSICAL SPECIFICATION	Bezel Color	Black	Black
	Bezel Width	0.9 mm (Even) * Off-Bezel 8.1 mm (T), 10.7 mm (B), 8.3 mm (L/R) * On-Bezel	0.9 mm (Even) * Off-Bezel 5.3 mm (T/L/R),11.0 mm (B) * On-Bezel
	Dimension (W x H x D)	(Head) 56.9" x 32.4" x 0.2" / 1,445.1 x 822.6 x 6.0 mm (Signage Box) 30.8" x 1.4" x 9.4" / 782.8 x 35.5 x 239.0 mm	(Head) 48" x 27.4" x 0.2" / 1220.3 x 696.8 x 4.9 mm (Signage Box) 30.8" x 9.4" x 1.4" / 782.8 x 238.4 x 34.7 mm
	Weight	29.8 lbs / 13.5 kg (Set)	22 lbs / 10 kg (Set)
	Carton Dimensions (W x H x D)	62.6" x 38" x 8.1"/1,590 x 965 x 205 mm	53.1" x 33" x 9.8" / 1,350 x 837 x 250 mm
	Packed Weight	51.6" / 23.4 kg	50.5 lbs / 22.9 kg
SPECIAL FEATURES		Internal Memory (64GB), Temperature Sensor, Embedded CMS (USB Auto Playback, Local Contents Scheduling, Group Manager), Fail Over, Content Sync (RS232C, Local Network), OSD Rotation, Tile Mode Setting, Setting Data Cloning, Firmware Update by Network, SNMP, ISM Mode, Control Manager, Crestron Connected[1], DPM, PM Mode, Wake on LAN, Power on Delay, HDMI-CEC[2], SI Server Setting, webRTC	
ENVIRONMENT CONDITIONS	Operation Temperature Range	32°F ~ 104°F / 0°C ~ 40°C	32°F ~ 104°F / 0°C ~ 40°C
	Operation Humidity Range	10% ~ 80%	10% ~ 80%
POWER	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz
	Power Type	Built-In Power	Built-In Power
	Power Consumption Typ. / Max.	440 W / 478 W * 8 Color Bar Based	309 W / 318 W * 8 Color Bar Based
STANDARD (CERTIFICATION)	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1
	EMC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC
	ErP / Energy Star	Yes / No	Yes / No
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	No	No
	External Media Player Attachable	Yes	Yes
SOFTWARE COMPATIBILITY	Content Management Software	SuperSign CMS	SuperSign CMS
	Control and Monitoring Software	SuperSign Control+ / Control	SuperSign Control+ / Control
ACCESSORIES	Basic	Remote Controller, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS232C Gender, RS232 Cable (4p-4p), FFC Cables (for Connection Between Panel and Signage Box), DP Cable, LAN Cable, LC (VLC Cable), Wall Fixers, Wall Fixer Install Guide, Install Guide Sheets, Tapes (for Cabling and Dust Proof), Screws	
OTHER	Warranty	3-Year Limited Warranty (Parts and Labor)	
	UPC	7 19192 62401 6	7 19192 62402 3

1) Network Based Control   2) Compatibility may differ by equipment.