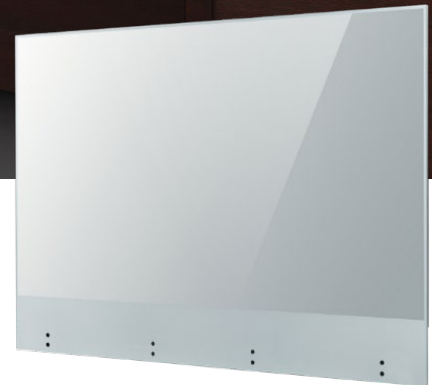




\* All images in this datasheet are for illustrative purposes only.



## Transparent OLED Touch Signage EW5TK-A

# See Beyond, LG Transparent OLED Touch Signage



Astonishing  
Transparency



Intuitive  
P-Cap Touch



Color with  
Great Depth



Product Reliability

### EW5TK-A

Screen Size	55"
Panel Technology	OLED
Native Resolution	1,920 × 1,080 (FHD)
Brightness (without glass)	400 nits (APL 25%) 150 nits (APL 100%)
Contrast Ratio	150,000 : 1
Response Time	1 ms (G to G), 8 ms (MPRT)
Portrait / Landscape	Yes / Yes

# A New Level of See-through View

Imagination becomes reality

LG Transparent OLED Signage illuminates spaces that once were hidden away behind the display, completely harmonizing with its surroundings.

Boasting vivid and clear colors with high transparency, this display provides visual enhancements to objects placed behind it, giving viewers an impressive "wow" factor.

Not only that, this display can respond to the viewer's touch, which has great potential for various applications where customer interactions are required.





## Accurate and Vivid Colors

Featuring self-lighting pixels, the display maintains vivid colors and high contrast ratio even when the display becomes transparent. It brings content to life from wide viewing angles, and the content blends into its surroundings virtually seamlessly and naturally.



## Intuitive P-Cap Touch

By adding P-Cap touch sensor film to the display, possibilities expand to various industries where customer interaction services are in demand. Users could enjoy its fascinating content using their fingertips with no lag.



## High Transparency

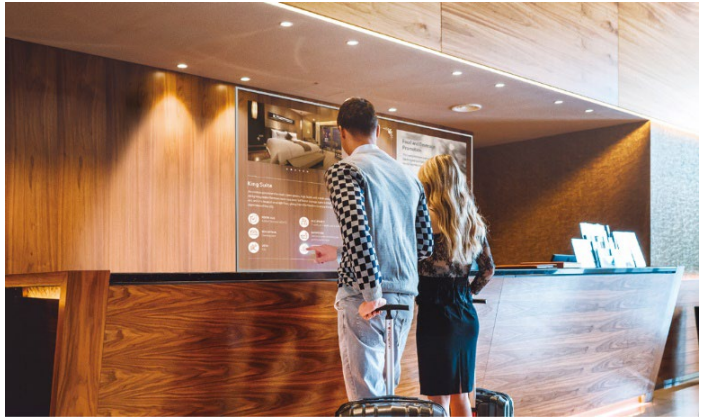
LG's OLED technology makes the Transparent OLED Touch Signage have slimmer structure without a backlight unit or a liquid crystal layer, achieving 33% transparency even with its P-Cap touch film. While clearly showing objects behind the screen, it overlays the relevant information in front, creating an amazing effect.



## Protective Tempered Glass

To prevent potential damage or scratches, the tempered front glass protects product from such external impacts, and its anti-shatter glass is designed to minimize risk in the event of extreme damage.

\* OCR: Optically Clear Resin



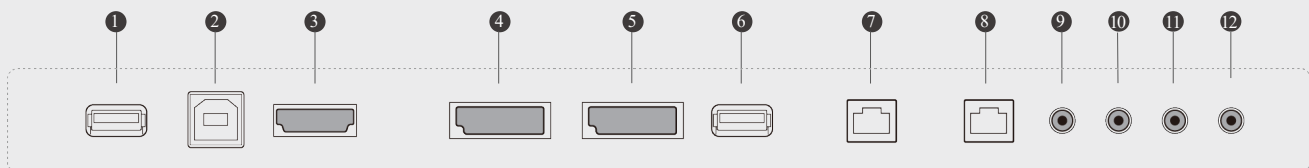
## Expandable Design

LG Transparent OLED Touch Signage is designed as a semi-assembled display, meaning you can install it in various ways to fit into existing structures and spaces. With a variety of forms of installation\*, it can complement virtually any venue in which it is installed.

\* Installation accessories are not supplied by LG.

\* All images are for illustrative purposes only.

## CONNECTIVITY



- 1 TOUCH USB IN
- 2 TOUCH OUT (PC)
- 3 HDMI IN

- 4 DP IN
- 5 DP OUT
- 6 USB IN (USB 2.0)

- 7 LAN IN
- 8 LAN OUT
- 9 IR IN

- 10 RS-232 C IN
- 11 RS-232 C OUT
- 12 AUDIO OUT

## SPECIFICATIONS

EW5TK-A			
Panel	Screen Size	55"	
	Panel Technology	OLED	
	Native Resolution	1,920 × 1,080 (FHD)	
	Brightness	150 / 400 nit (APL 100% / 25%, Without Glass)	
	Contrast Ratio	150,000 : 1	
	Dynamic CR <sup>1)</sup>	No	
	Color Gamut	BT709 120%	
	Viewing Angle (H × V)	178° × 178°	
	Color Depth	1.07 Billion Colors (10 bit (R))	
	Response Time	1 ms (G to G), 8 ms (MPRT)	
	Surface Treatment (Haze)	Hard Coating (2 H)	
	Operation Hours (Hours/Day)	18 / 7 (Moving Content Only)	
Portrait / Landscape	Yes / Yes		
Connectivity	Input	HDMI (HDCP 1.4), DP (HDCP 1.3), RS-232C In, RJ45 (LAN), IR In (External IR Receiver), USB 2.0 Type A, USB 2.0 Type A (Touch Control Board Only)	
	Output	DP Out, Audio Out, Touch USB (USB 2.0 Type B), RS-232C Out (w / IR Out), RJ45 (LAN)	
Mechanical Specification	Bezel Color	Matt Silver	
	Bezel Width	7.9 / 7.9 / 7.9 / 144.5 mm (T/R/L/B)	
	Weight (Head)	12.9 kg (Head) 3.4 kg (Signage Box)	
	Monitor Dimension (W × H × D)	1,225.5 × 832.9 × 7.4 mm (Head) 782.8 × 238.4 × 34.7 mm (Signage Box)	
Key Feature	Internal Memory (16 GB), Sensor (Temperature Sensor), webOS 4.0, Embedded CMS (Local Contents Scheduling, Group Manager), USB Plug & Play, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, 3 <sup>rd</sup> Party Compatibility (Crestron Connected <sup>2)</sup> ), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3)</sup> , SI Server Setting, Pro:Idiom		
Environment Conditions	Operation Temperature (°C)	32°F to 104°F / 0°C to 40°C	
	Operation Humidity	10% to 80%	
Power	Power Supply	AC 100-240 Vac, 50/60 Hz	
	Power Type	Built-in Power	
Power Consumption	Typ. / Max.	280 W / 300 W	
	BTU (British Thermal Unit)	955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)	
Certification	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1	
	EMC	FCC Class "A" / CE / KC	
	ErP / Energy Star	Yes / No	
Software Compatibility	SuperSign CMS, SuperSign Control / Control+, SuperSign Media Editor, LG ConnectedCare <sup>4)</sup>		
Language	English, French, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic		
Accessory	Basic	Remote Control, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS-232C Gender, MCX / Harness Cables (3,000 mm × 4 ea / 3,000 mm × 2 ea for Connection between Panel and Signage Box), HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage box), A to B Type USB Cable (Touch Out), Screw (M4 × L22, 12 ea / M4 Nut 12 ea / M3 × L5.5, 8 ea / M3 × L3.5, 20 ea), Shield Cover Assy', Rubber Damper 4 ea, Touch Cable Holder 2 ea, MCX Cable Holder 4 ea	
Special Feature	Touch	Available Object Size for Touch	≥ 0.12 mm
		Reponse Time	≤ 120 ms
		Accuracy	3.5 mm
		Interface	USB 2.0
		Active Pen Interface	N / A
		Protection Glass Thickness	3.0 T (Anti-Glare / Anti-Fingerprint)
		Protection Glass Transmission	84 % (Typ.)
		Operating System Support	Windows 8.1, Windows 10
Multi Touch Point	Max 10 Points		

<sup>1)</sup> The luminosity ratio of Full Black / Full White color on video input condition.

<sup>2)</sup> Network based control.

<sup>3)</sup> Compatibility may differ by equipment.

<sup>4)</sup> The availability can differ by region.

\* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.