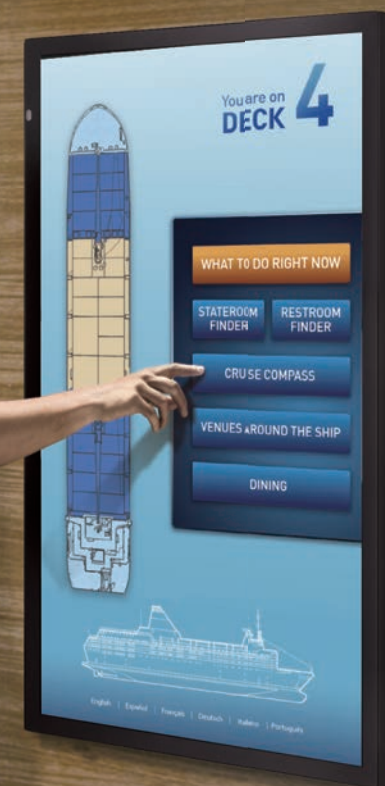# Enriched Customer Engagement with LG Touch Display

55TC3CD

The 55TC3CD provides a differentiated customer experience by offering advanced and precise touch performance as well as vivid colors with Ultra HD resolution. Based on a webOS smart signage platform in which a variety of solutions are easily applicable, it will keep customers fully entertained and leave them with a favorable impression of your brand.
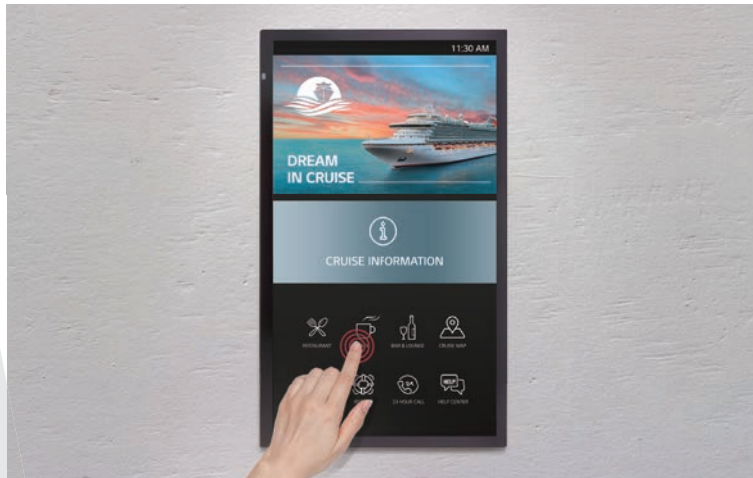
LG | Business Solutions

Enriched Customer Engagement with LG Touch Display
55TC3CD

High Touch Performance

Precise Touch Response

The screen accurately recognizes even the smallest touch points and instantly shows a response. This level of accuracy means that SIs can compose GUI icons in a variety of sizes on the 55TC3CD and users can fully enjoy their touch experience with no lagging.

Multi Touch with No Dead Zones

Capable of recognizing up to 40 point-touches at once, the screen provides users with a more realistic sense of touch. Unlike IR touch screens, the display accurately detects touch points even at the corners or edges of the display. This allows a variety of touch-based customer services to be provided throughout the entire screen.

* Additional software is required for touch performance.

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Enriched Customer Engagement with LG Touch Display
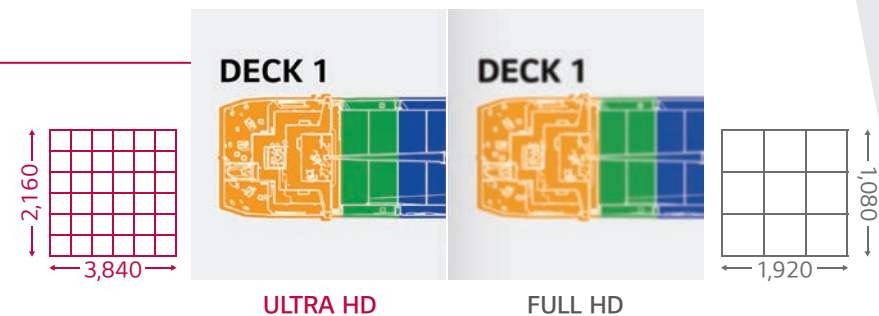## 55TC3CD

Superior Picture Quality

True Color, Wide View

LG IPS panel features a wide viewing angle to deliver clear content regardless of where meeting participants are seated. Each pixel in the IPS panel reproduces image colors true-to-life, without distortion.

Vivid Color Details with Ultra HD

The UHD resolution allows users to view details even when zooming in on the display, with four times higher definition than FHD. The 55TC3CD ensures stable UHD video playback with HEVC (High Efficiency Video Coding).

DECK 1

DECK 2

2,160

3,840

ULTRA HD

DECK 1

DECK 1

1,080

1,920

FULL HD

Enriched Customer Engagement with LG Touch Display
55TC3CD

Product Reliability

Fewer Scratch & Shatter Proof

When a user touches a screen directly, this can result in scratches on the screen or even damage to the glass. The 55TC3CD has an advanced tempered screen coating to minimize scratches. In addition, its anti-shatter glass is designed to minimize harm to the user, even in the event of an external shock.
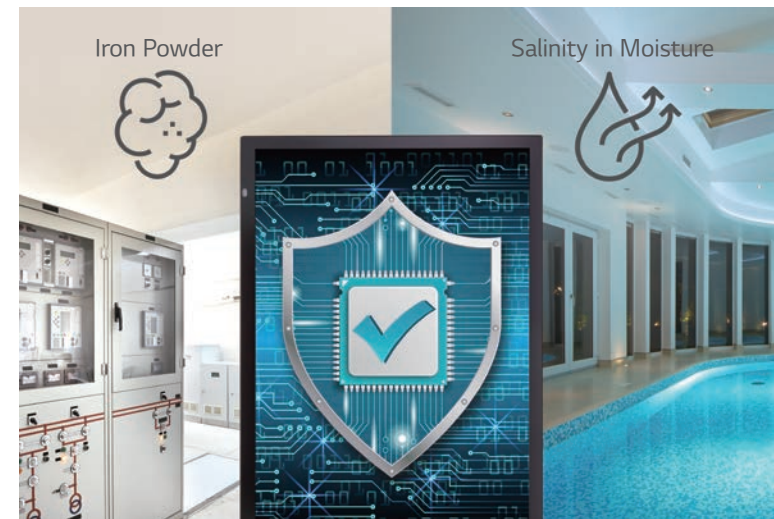

Conventional   55TC3CD

* The above image is for illustration-purposes only.

Conformal Coating

The product can be often unavoidably exposed to dust and water during maintenance. Conformal coating on the circuit board eliminates such circumstances by protecting it against dust, iron powder, humidity, etc.
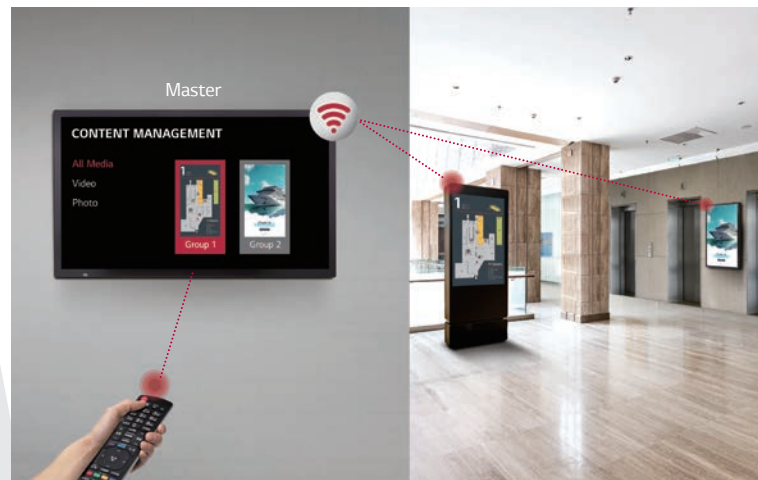

Iron Powder   Salinity in Moisture

Enriched Customer Engagement with LG Touch Display
55TC3CD

Easy Content Management

Embedded Group Manager

The embedded CMS* allows you to edit and play content, schedule a playlist and even group and control signages via remote control, without need for a separate PC. This makes content management much easier and user-friendly.
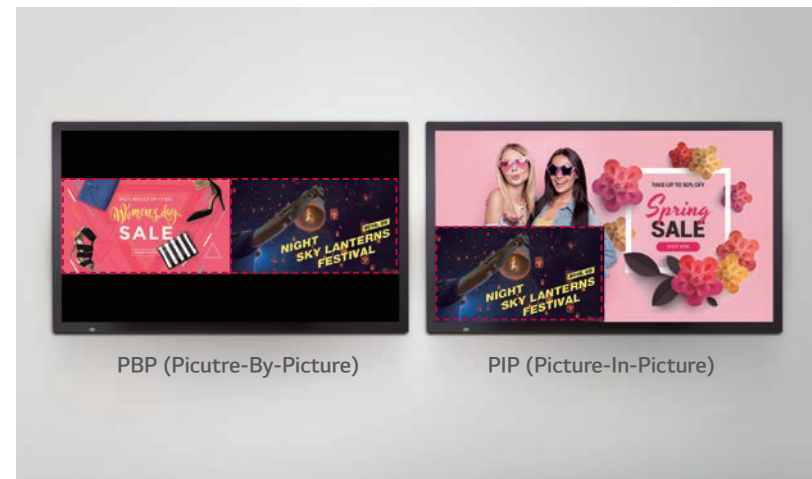

Multi Screen Mode

PBP (Picture-By-Picture) and PIP (Picture-In-Picture) enables up to two divided split screens in landscape or portrait display format enabling users to more flexibly allocate space for each content source.

PBP (Picutre-By-Picture) PIP (Picture-In-Picture)

* CMS: Content Management System
** The above image is for illustration-purposes only. All devices must be connected to the same network.

Enriched Customer Engagement with LG Touch Display
55TC3CD

High Compatibility

Various Sensor Applications

LG webOS smart signage platform easily supports connections with external sensors such as GPIO, NFC/RFID, temperature sensors, etc. via USB plug-in. The overall cost of ownership is reduced as there's no need to purchase additional software or media players.

Does not need a media player or Software.

USB

Optical Sensor | Temperature & Humidity | Pressure | NFC/RFID | GPIO
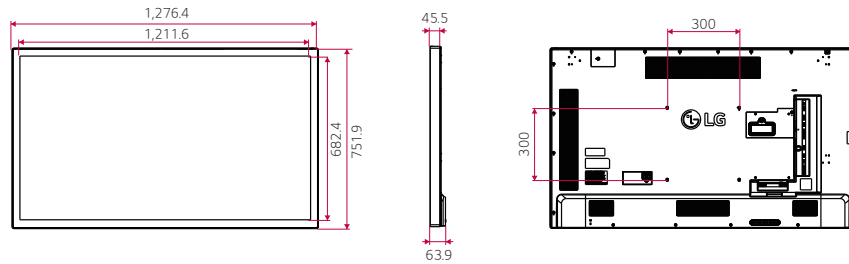
OPS Player Connectivity

The 55TC3CD provides an OPS (Open Pluggable Specification) Kit to connect a third-party OPS player. Users have the flexibility to choose any media player as long as it complies with the OPS.
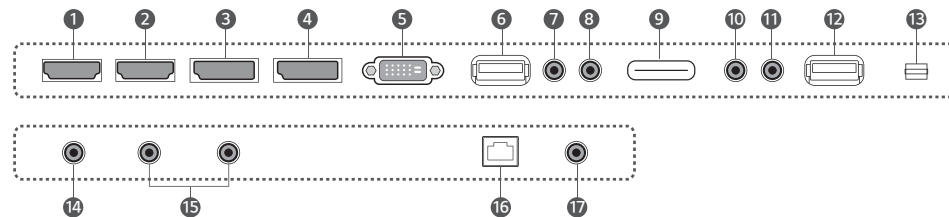

OPS Player

OPS Kit (Optional)

Dimension

55"

1,276.4
1,211.6
682.4
751.9
45.5
63.9
300
300

Connectivity

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

⑭ ⑮ ⑯ ⑰

① HDMI 1	⑥ USB 3.0	⑪ RS232C OUT	⑯ LAN
② HDMI 2	⑦ AUDIO IN	⑫ USB 2.0	⑰ IR & LIGHT SENSOR
③ DP IN	⑧ AUDIO OUT	⑬ TOUCH USB	
④ DP OUT	⑨ SD CARD	⑭ PIXEL SENSOR	
⑤ DVI-D IN	⑩ RS232C IN	⑮ SPEAKER OUT	

Specifications

55TC3CD

PANEL	Screen Size	55"
	Panel Technology	IPS
	Aspect Ratio	16 : 9
	Native Resolution	3,840 x 2,160 (UHD)
	Brightness (Typ.)	500 cd/m² (w/o Protection Glass)
	Viewing Angle (H x V)	178 x 178
	Response Time	8 ms (G to G)
	Surface Treatment	Low Haze 1%
	Life Time (Typ.)	50,000 Hrs
	Operation Hours	24 Hrs
	Orientation	Landscape & Portrait
CONNECTIVITY	Input	HDMI (2), DP, DVI-D, Audio, USB 3.0, USB 2.0 (Type A for Wi-Fi Dongle), SD Card
	Output	DP, Audio, External Speaker (L/R, 6ohm), Touch USB 2.0
	External Control	RS232C In/out, RJ45 In, IR&Light Receiver In, Pixel Sensor In
PHYSICAL SPECIFICATION	Bezel Color	Black
	Bezel Width	32.95 / 36.55 / 32.4 / 32.4 mm (T/B/R/L)
	Monitor Dimension (W x H x D)	1,276.4 x 751.9 x 63.9 mm
	Weight (Head)	29.1 kg
	Carton Dimensions (W x H x D)	1,406 x 203 x 870 mm
	Packed Weight	34.9 kg
	VESA™ Standard Mount Interface	300 x 300 mm
SPECIAL FEATURES		Temperature Sensor, Auto Brightness Sensor (Dongle Type), Tile Mode (Up to 15x15), ISM Method, DPM Select, DPM Wake Up, Energy Saving, Smart Energy Saving, File Play with USB, PIP/PBP (2), Internal Memory 8GB (System 4GB, Available 4GB), Wi-Fi Dongle Ready, USB Cloning, Contents Scheduling (USB, Internal Memory, SD Card), Wake on LAN, Fail Over, Mirroring, SoftAP, Beacon
ENVIRONMENT CONDITIONS	Operation Temperature	0°C to 40°C
	Operation Humidity	10% to 80%
POWER	Power Supply	100-240V~, 50/60Hz
	Power Type	Built-In Power
	Power Consumption — Typ./Max	140 W / 116 W
	Power Consumption — Smart Energy Saving	80 W
STANDARD (CERTIFICATION)	Safety	UL / cUL
	EMC	FCC Class "A"
	ErP / Energy Star	N/A / Yes (Energy Star 7.0)
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes
SOFTWARE COMPATIBILITY	Content Management Software	SuperSign CMS
	Control and Monitoring Software	SuperSign C*
ACCESSORIES	Basic	Remote Controller (2 Batteries Included), Power Cord, QSG, HDMI Cable (2M), Regulation Book, Phone to RS232C Gender, IR Dongle, Touch USB Cable
	Optional	Speaker (SP-5200), Media Player, Wall Bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), Wi-Fi Dongle (AN-WF500)
TOUCH	Touch Type	P-Cap
	Available Object Size for Touch	Ø6 mm↓
	Scan Time	10 ms ↓
	Accuracy	2 mm ± 0.2 mm
	Interface	USB 2.0
	Protection Glass Thickness	3.2T (Anti-Glare)
	Protection Glass Transmission	83%
	Operating Systme Support	Win 8.1 / 10, Linux (Kernel v3.0 above)
	Multi Touch Point	Max. 40 Points

* Software compatibility may change over time. Please contact LG sales representative for details.

ENERGY STAR
HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

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