Interactive Touch Signage That Creates Engaging Experiences

55TC3CG-H

The 55TC3CG-H provides opportunities to engage your audience with a smooth writing experience, impressive viewing angles and vivid Ultra HD resolution. With the webOS 4.1 smart signage platform, this model can host a variety of custom and off-the-shelf solutions for wayfinding, health protocol instructions, interactive announcements, videos and advertising.
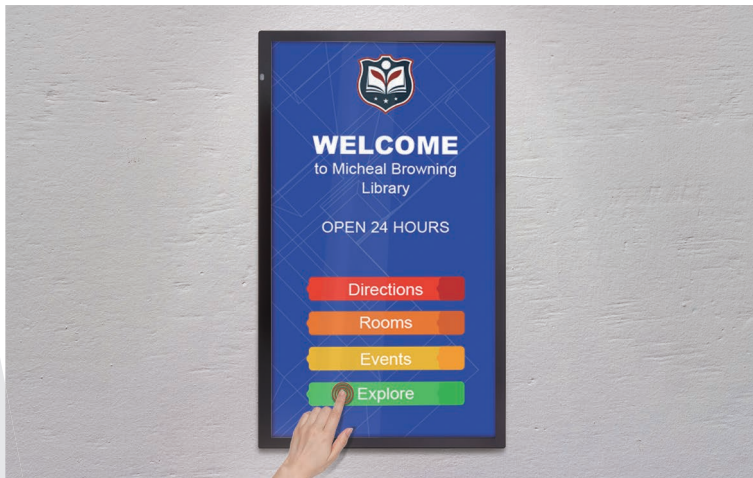
Financial District

▶ Touch to Navigate

LG | Business Solutions

Interactive Touch Signage That Creates Engaging Experiences
55TC3CG-H

High Touch Performance

Precise Touch Response

The screen accurately recognizes extremely small touch points and instantly shows a response. This means that SIs can compose GUI icons in a variety of sizes on the 55TC3CG-H-H 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 multiple users a smooth and natural sense of touch. Unlike infrared touch screens, the 55TC3CG-H 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.

* Simulated images are for illustrative purposes only

Interactive Touch Signage That Creates Engaging Experiences
55TC3CG-H

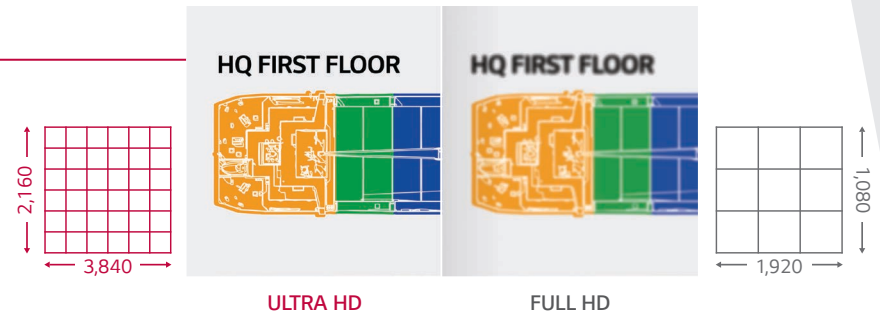## Excellent Picture Quality

Beautiful 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 gorgeous image colors that people can see even at extremely wide viewing angles.

Vivid Details with Ultra HD

Ultra High Definition resolution allows users to view details even when zooming in on the display, with four times higher definition than Full HD. The 55TC3CG-H ensures stable UHD video playback with HEVC (High Efficiency Video Coding).

2,160 × 3,840
ULTRA HD

1,080 × 1,920
FULL HD

* Simulated images are for illustrative purposes only

Interactive Touch Signage That Creates Engaging Experiences
55TC3CG-H

Product Reliability

Fewer Scratch & Shatter Proof

Touch screens in public spaces can be scratched in heavy use or even abuse situations. The 55TC3CG-H 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 the product being subject to abuse.

Conventional   55TC3CD

Conformal Coating

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

Iron Powder   Salinity in Moisture

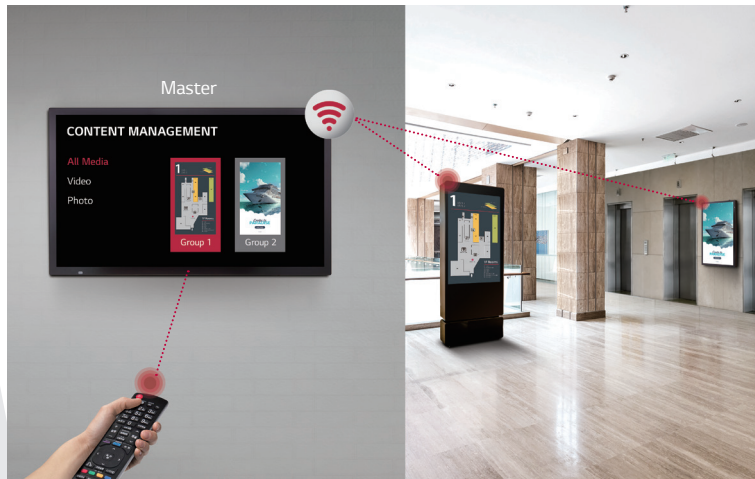* Simulated images are for illustrative purposes only

Interactive Touch Signage That Creates Engaging Experiences
55TC3CG-H

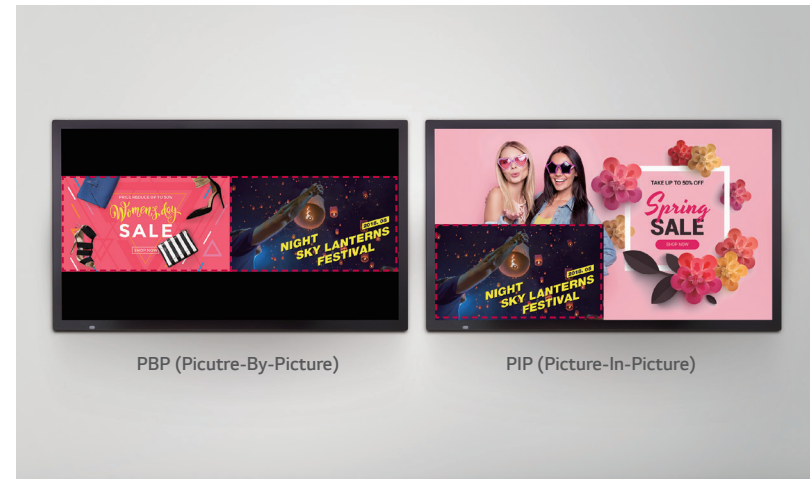### Easy Content Management

Embedded Group Manager

The embedded content management systemv 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)

* Simulated images are for illustrative purposes only

Interactive Touch Signage That Creates Engaging Experiences
55TC3CG-H

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. With webOS smart signage, there's no need to purchase additional software or media players.
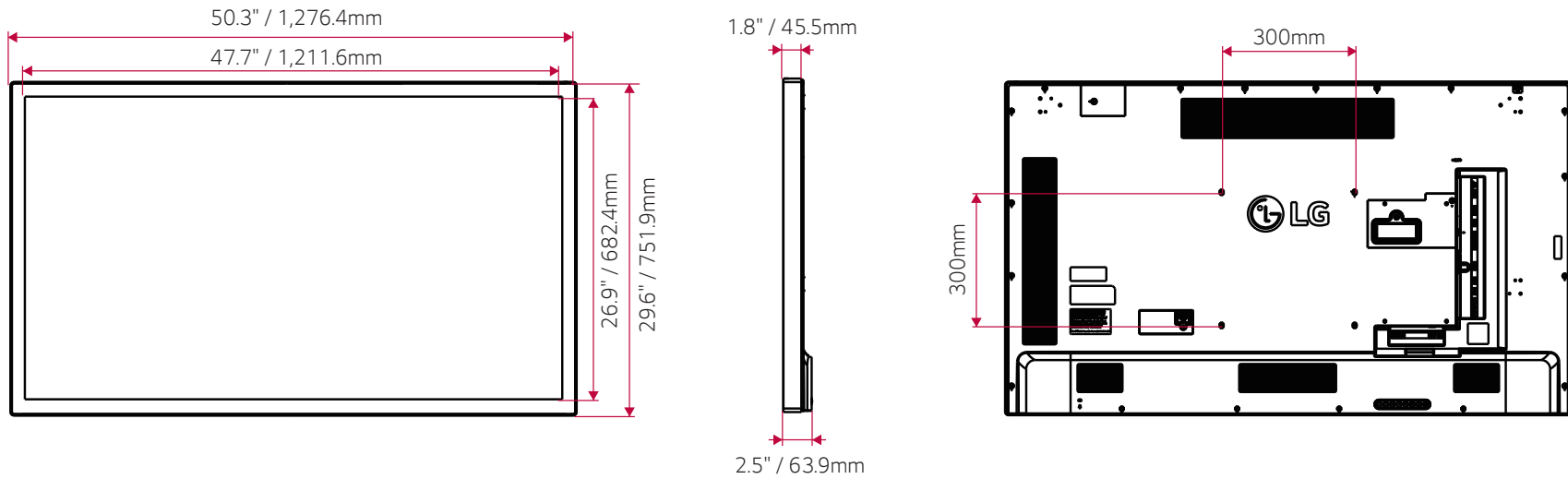
OPS Player Connectivity

The 55TC3CG-H 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.
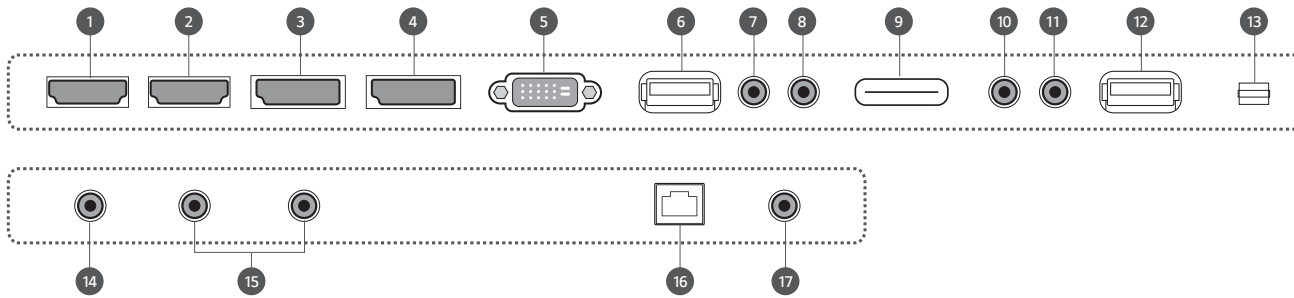

* Simulated images are for illustrative purposes only

Dimension

55"

50.3" / 1,276.4mm
47.7" / 1,211.6mm
26.9" / 682.4mm
29.6" / 751.9mm

1.8" / 45.5mm
2.5" / 63.9mm

300mm
300mm

Connectivity

No.	Description	No.	Description	No.	Description	No.	Description
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

DISPLAY		55TC3CG-H
DISPLAY	Screen Size	55"
	Panel Technology	IPS
	Back Light Type	Edge
	Aspect Ratio	16:9
	Native Resolution	3840 x 2160 (UHD)
	Refresh Rate	60 Hz
	Brightness	350 nits (typ)
	Contrast Ratio	1100:1
	Color gamut	NTSC 72%
	Viewing Angle(H x V)	178° X 178°
	Response Time	8ms (G to G)
	Surface Treatment (Haze)	28%
	Lifetime Operation	50,000 Hrs (min)
	Operation Hours (Hours/Day)	24/7
	Orientation	Portrait or Landscape
TOUCH PANEL	Available object size for touch	≥ 6 mm
	Reponse 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 System Support	Win 8.1, Win 10, Linux (Kernel v3.0 above)
	Multi touch point	Max 40 Points
CONNECTIVITY	HDMI	Yes (2), HDCP2.2/1.4
	DP	Yes (1), HDCP2.2/1.3
	RS232C IN	Yes (1)
	RJ45(LAN)	Yes (1)
	IR IN	Yes (1)
	USB	USB2.0 Type A(2)
	DP Out	Yes (1), Input HDMI1/2/DP/OPS
	Audio Out	Yes (1)
	Touch USB	USB2.0 Type-B (1)
	External Speaker Out	Yes (6ohm)
	RS232C OUT	Yes (1)
	OPS type compatible	Yes (Piggyback)
MECHANICAL	Bezel Color	Black
	Bezel Width	33.5 / 33.4 / 33.4 / 38 mm
	Weight	78.0 lbs / 34.5 kg
	Shipping Weight	87.7 lbs / 39.8 kg
	Monitor Dimension(W x H x D)	"50.3 x 29.6 x 1.8 in / 1276.4 x 751.9 x 44.9 mm"
	Shipping Dimensions (W x H x D)	"55.5 x 34.6 x 8.1 in / 1410 x 880 x 207 mm"
	VESATM Standard Mount Interface	300 x 300
	Power Consumption (Smart Enegy Saving)	74W
	Power Consumption (DPM / Power Off)	Less than 0.5W
HARDWARE FEATURES	Internal Memory	8GB (System 4GB + Available 3.6GB)
	Temperature Sensor	Yes
	Auto Brightness sensor	Yes
	Local Key Operation	Yes
	Operation Temperature	"32°F to 104°F / 0°C to 40°C"
	Operation Humidity	10% to 80%

		55TC3CG-H
SOFTWARE FEATURES	webOS Signage	Version 4.1
	Local Contents Scheduling	Yes
	Group Manager	Yes
	USB Plug & Play	Yes
	Fail over	Yes
	Booting Logo Image	Yes
	No Signal Image	Yes
	RS-232C Sync	Yes
	Local Network Sync	Yes
	PIP	Yes
	PBP	Yes
	Video Tag	Yes
	Play via URL	Yes
	Screen Rotation	Yes
	External Input Rotation	Yes
	Gapless Playback	Yes
	Tile Mode Setting	Yes
	Setting Data Cloning	Yes
	SNMP	Yes
	ISM Method	Yes
	Auto Set ID	Yes
	Status Mailing	Yes
	Control Manager	Yes
	Crestron Inside	Yes
	Smart Energy Saving	Yes
	PM mode	Yes
	Wake on LAN	Yes
	HDMI-CEC	Yes
	SI Server Setting	Yes
	webRTC	Yes
	Pro:Idiom	Yes
ELECTRICAL	Power Supply	AC 100-240V~, 50/60Hz
	Power Type	Built-In Power
	Power Consumption (Typ)	105W
	Power Consumption (Max)	145W
	Power Consumption (Smart Enegy Saving)	74W
	Power Consumption (DPM / Power Off)	Less than 0.5W
CERTIFICATIONS	FCC (Regulatory)	FCC Class "A" (NRTL)
	ErP (Environmental)	EPA 8.0
"LG SOFTWARE & SERVICES*"	SuperSign CMS	Yes
	SuperSign Control / Control+	Yes
	Signage365Care	Yes
WARRANTY & OTHER	Standard Warranty	3 Years Parts & Labor
	UPC	7 19192 64134 1
	Basic Accessories	Power Cord 1.55 M*1, USB Cable (Type A-Type B) 1.8 M*1, HDMI Cable 3 M*1, User Manual, QSG, Remote Controller(include battery 2ea), RS232C cable, IR Receiver , Magnet Sheet(3ea)
	Optional Accessories	"Wall bracket(LSW350B), VESA Adapter(AM-B330S), OPS Kit(KT-OPSF), SP-5200"

* LG SuperSign CMS, Control+ and Signage365Care are optional paid Software/Services

SPEC_55TC3CG-H_112109_LR

LG | Business Solutions