Versatile Performance with a User-friendly Smart Platform

SM5KE

The SM5KE series provides dynamic content with clear picture quality, enhancing advertising effectiveness and helping to generate demand for your brand and products. LG webOS Smart Platform has not only been optimized to develop and run a variety of customized apps, but user convenience has been enhanced with intuitive UI and value-added functions.

LG | Business Solutions

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User-Friendly Smart Platform

Simple Set-up & Customization

The LG webOS smart signage platform supports HTML5 as a web-based platform and offers SDK (Software Development Kit), so SIs can easily build and execute their own apps. Also, it is easy to use with intuitive menu and usable without instructions, as all of signage-related functions can be indexed in one menu.

Remote Monitoring

Easy Customization

Embedded CMS

Built in Player

Embedded Content Management

The embedded CMS (Content Management System) allows you to edit and play content, schedule a playlist and even group and control signages via remote control, mouse or even mobile phone, without needing a separate PC or software. This makes content management much easier and user-friendly.

* The scenes are simulated for illustrative purposes. Actual GUI may differ from the accompanying image.
** All displays must be connected to the same network.

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Various Content Composition

Multi Screen Mode

PBP (Picutre-By-Picture) and PIP (Picture-In-Picture) feature gives a chance to compose up to 2 divided split screen on landscape or portrait display format. This gives great flexibility to users to allocate space for each content source.


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

Video Streaming

SM5KE series can play real-time streaming content by supporting various types of IP video streaming protocols such as RTSP/RTP/HLS and UDP Multicast*. It makes users feel easy to manage content as it is free from capacity limits for content playback, and provides live broadcasts in real time.

Streaming Server   Content Server
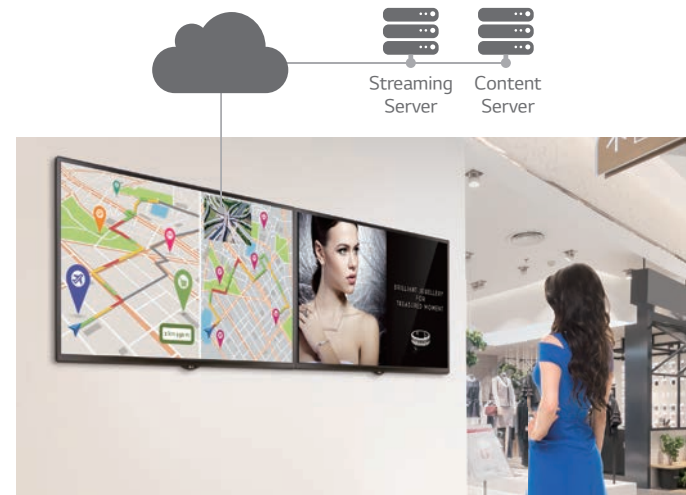
* RTSP (Real-Time Streaming Protocol)
  RTP (Real-Time Transport Protocol)
  HLS (HTTP Live Streaming)
  UDP (User Datagram Protocol) Multicast

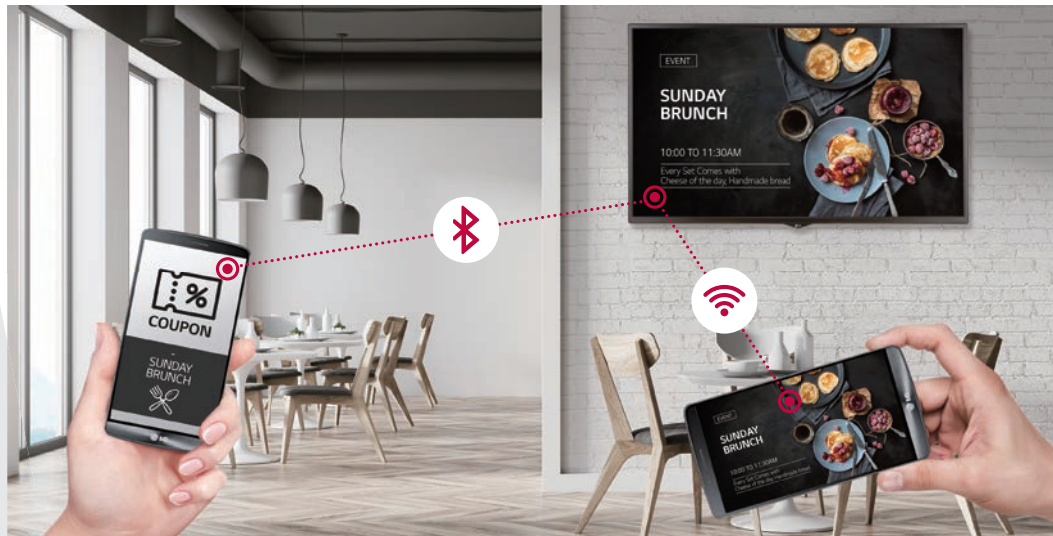# Versatile Performance with a User-friendly Smart Platform
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Wireless Solution

Real-time Promotion
With Beacon and Bluetooth Low Energy (BLE), shop managers can provide coupons and information in real-time.

Content Sharing
Content Mirroring among devices is more convenient on a Wi-Fi network.

Wireless Access Point
The SM5KE series operates as a virtual router which can be an wireless access point for mobile devices.

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Reliable Operation

Quick Web Access via Proxy Server

Web access speed and security can be improved by supporting proxy server. Managers can not only block unwanted websites, but also quickly access to resources using caches.

Web/Data Server

Untrusted Websites Blocked

Quick Access

Proxy Server
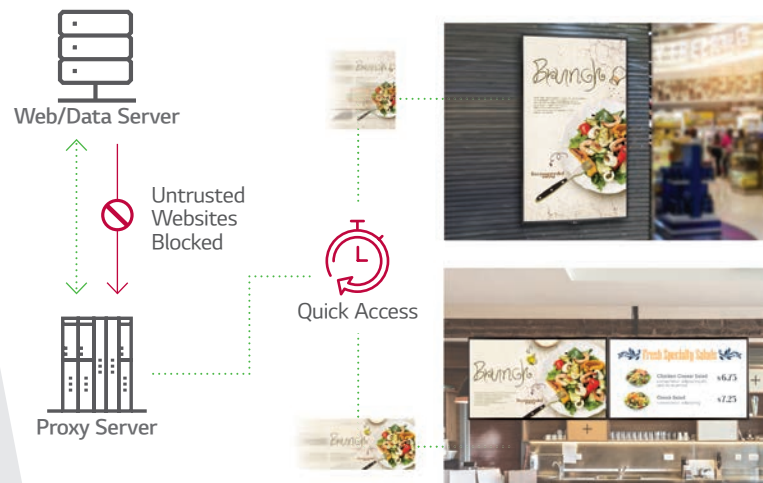
Secured Network Communication

HTTPS* protocol support ensures secure communication between clients and servers. Content or documents using HTTPS can be shared and displayed on digital signages, so owners can protect their critical business assets from unwelcome pirates.

Administrator

Server

Hacker

HTTPS | Certificate Signing

Internet

Certificate Verification

Shop

* HTTPS: Hypertext Transfer Protocol over Secure Socket Layer

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Value-added Offerings

Thermal Printer Supported

Users can easily enable the thermal printer solution* by plugging a USB into the display. It functions versatilely as a ticketing machine for various locations such as restaurants, movie theaters, banks and airports.

SM5KE   Printer

TICKET ▶

* Supported model: NIPPON PRIMEX (NP-3511, NP-3611)

Real-time Care Service

The maintenance gets easier and faster with an optional service Signage 365 Care, a cloud service solution provided by LG service. It remotely manages status of displays in client workplaces for fault diagnosis and remote-control services, ensuring the stable operation of a client's business.


Repair

Signage 365 care

Status, Usage Data
Monitoring / Fault Detection

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Industrial Design

Detachable Logo & Built-in Speaker

The detachable logo allows for installation in the desired orientation in landscape or portrait mode, making it easy for the user to arrange the signage. Also, sounds can be played from built-in speakers, giving advertisements greater impact.
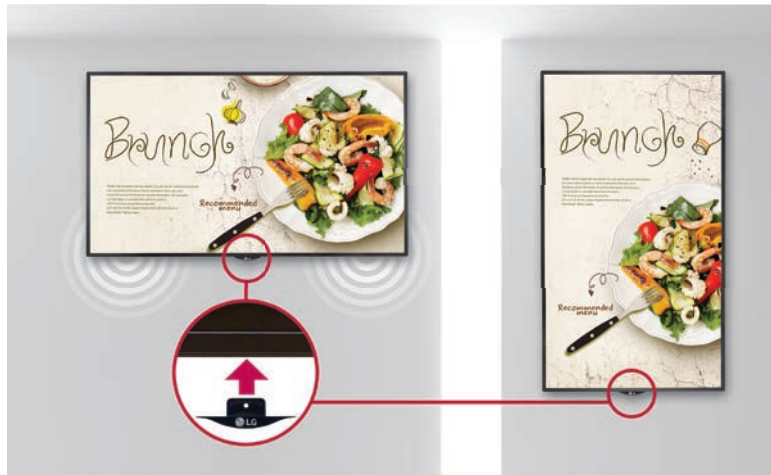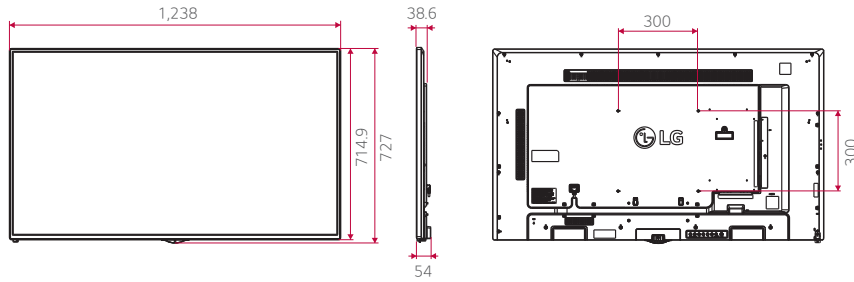

Conformal Coating

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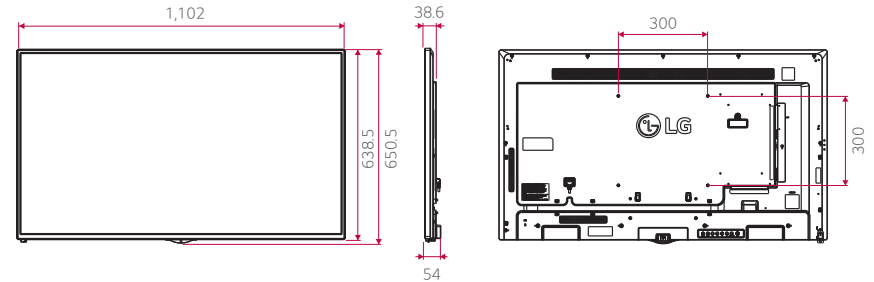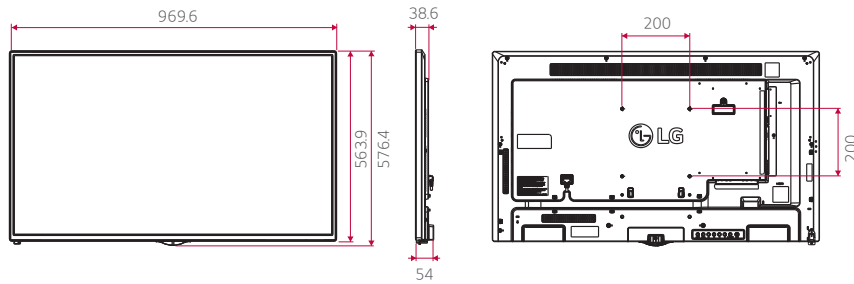

Iron Powder
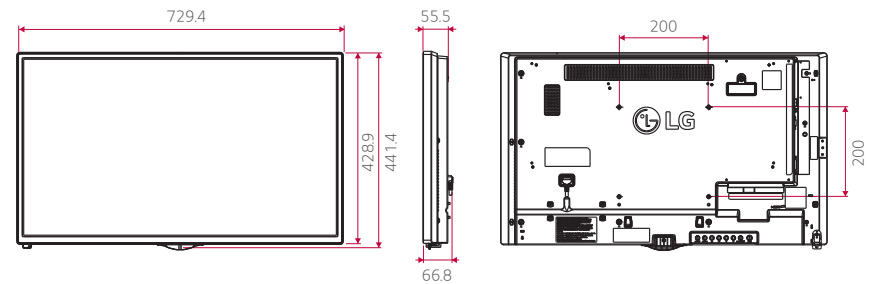
Moisture

Dimension

55"

1,238 · 714.9 · 727 · 38.6 · 54 · 300 · 300

49"

1,102 · 638.5 · 650.5 · 38.6 · 54 · 300 · 300

43"

969.6 · 563.9 · 576.4 · 38.6 · 54 · 200 · 200

32"

729.4 · 428.9 · 441.4 · 55.5 · 66.8 · 200 · 200

Connectivity

55" / 49" / 43" / 32"

❶	HDMI IN 1	❻	USB 3.0	⓫	HDMI IN 2
❷	DVI-D IN	❼	RS232C IN	⓬	HDMI IN 3
❸	DP IN	❽	RS232C OUT	⓭	IR & LIGHT SENSOR
❹	DP OUT	❾	AUDIO IN		
❺	LAN	❿	AUDIO OUT		

Specifications

		55SM5KE	49SM5KE	43SM5KE	32SM5KE
PANEL	Screen Size	55"	49"	43"	32"
	Panel Technology	IPS	IPS	IPS	IPS
	Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9
	Native Resolution	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)
	Brightness	450 cd/m^2	450 cd/m^2	450 cd/m^2	400 cd/m^2
	Contrast Ratio	1,100:1	1,100:1	1,100:1	1,100:1
	Viewing Angle (H x V)	178 x 178	178 x 178	178 x 178	178 x 178
	Response Time	12 ms (G to G BW), 9.0 ms (WOT)	12 ms (G to G BW), 10.1 ms (WOT)	12 ms (G to G BW), 9.4 ms (WOT)	10 ms (G to G BW), 7.1 ms (WOT)
	Surface Treatment (Haze)	Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 1% (Typ.))	Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 1% (Typ.))	Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 1% (Typ.))	Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 1% (Typ.))
	Life time (Typ.)	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs
	Operation Hours	24 Hrs	24 Hrs	24 Hrs	24 Hrs
	Orientation	Landscape & Portrait	Landscape & Portrait	Landscape & Portrait	Landscape & Portrait
CONNECTIVITY	Input	HDMI (3), DP, DVI-D, Audio, USB 3.0	HDMI (3), DP, DVI-D, Audio, USB 3.0	HDMI (3), DP, DVI-D, Audio, USB 3.0	HDMI (3), DP, DVI-D, Audio, USB 3.0
	Output	DP (SST), Audio (Off/Fixed/Variable)	DP (SST), Audio (Off/Fixed/Variable)	DP (SST), Audio (Off/Fixed/Variable)	DP (SST), Audio (Off/Fixed/Variable)
	External Control	RS232C In/out, RJ45 In, IR Receiver In	RS232C In/out, RJ45 In, IR Receiver In	RS232C In/out, RJ45 In, IR Receiver In	RS232C In/out, RJ45 In, IR Receiver In
MECHANICAL SPECIFICATION	Bezel Color	Black	Black	Black	Black
	Bezel Width	11.9 mm (T/R/L), 18 mm (B)	11.9 mm (T/R/L), 18 mm (B)	11.9 mm (T/R/L), 18 mm (B)	13 mm (T/R/L), 18 mm (B)
	Monitor Dimension (W x H x D)	1,238 x 714.9 x 54 mm	1,102.2 x 638.5 x 54 mm	969.6 x 563.9 x 54 mm	729.4 x 428.9 x 55.5 mm
	Weight (Head)	17.5 kg	14.3 kg	10.0 kg	5.4 kg
	Monitor with Optional Stand Dimensions (W x H x D)	1,238m x 773.4 x 219.6 mm	1102.2 x 696.8 x 219.6 mm	969.6 x 622.2 x 193 mm	729.4 x 481 x 154.2 mm
	Weight (Head+Stand)	20.8 kg	17.6 kg	12.5 kg	6.2 kg
	Carton Dimension (W x H x D)	1,330 x 807 x 170 mm	1,197 x 760 x 166 mm	1,052 x 650 x 123 mm	810 x 510 x 132 mm
	Packed Weight	21.7 kg	17.4 kg	12.6 kg	6.7 kg
	VESA™ Standard Mount Interface	300 x 300 mm	300 x 300 mm	200 x 200 mm	200 x 200 mm
KEY FEATURE		Internal Memory 8GB (System 4GB, Available 3.6GB), Built-in Wi-Fi, Temperature Sensor, Auto Brightness Sensor, Current Sensor, webOS 4.0, Embedded CMS, Fail Over, Image Customization, PIP/PBP(2), Screen Share, Video Tag (2), Play via URL, Gapless Playback, Tile Mode Setting (Up to 15x15), Setting Data Cloning, Firmware Update by Network, SNMP (Ver. 1.4), Control Manager, Crestron Connected®*, Extron IP Link, Smart Energy Saving, Beacon, HDMI-CEC (2)**, Built-in Speaker (10W+10W)			
ENVIRONMENTAL CONDITIONS	Operation Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
	Operation Humidity	10% to 80%	10% to 80%	10% to 80%	10% to 80%
POWER	Power Type	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz
	Power Supply	Built-In Power	Built-In Power	Built-In Power	Built-In Power
	Power Consumption — Typ. / Max.	100 W (TBD) / 115 W	85 W (TBD) / 105 W	75 W (TBD) / 95 W	60 W (TBD) / 85 W
	Power Consumption — Smart Energy Saving	70 W (TBD)	60 W (TBD)	55 W (TBD)	45 W (TBD)
CERTIFICATION	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1	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	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC
	ErP / Energy Star	N/A / Yes (Energy Star 7.0)	N/A / Yes (Energy Star 7.0)	N/A / Yes (Energy Star 7.0)	N/A / Yes (Energy Star 7.0)
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes	Yes	Yes	Yes
	External Media Player Attachable	Yes	Yes	Yes	Yes
SOFTWARE COMPATIBILITY	Content Management Software	SuperSign CMS	SuperSign CMS	SuperSign CMS	SuperSign CMS
	Control and Monitoring Software	SuperSign Control+/Control	SuperSign Control+/Control	SuperSign Control+/Control	SuperSign Control+/Control
ACCESSORIES	Basic	Remote Controller (2ea Batteries Included), Power Cord, QSG, HDMI Cable, Regulation Book, Phone to RS232C Gender, Memory Cover			
	Optional	Stand (ST-492T), Media Player, Wall Bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch Overlay (KT-T55E)	Stand (ST-492T), Media Player, Wall Bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch Overlay (KT-T49E)	Stand (ST-432T), Media Player, Wall Bracket (LSW230B), VESA Adapter (AM-B220S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch Overlay (KT-T43E)	Stand (ST-322T), Media Player, Wall Bracket (LSW230B), VESA Adapter (AM-B220S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch Overlay (KT-T32E)

* Network Based Control ** Compatibility may differ by equipment.

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