

Standard Performance SM5KC Series

Smart Platform with a Powerful Embedded System-on-Chip



The SM5KC Series, webOS signage, allows for customized apps that are easy to create using LG's Software Development Kit. The built-in Wi-Fi and SoC reduce the total cost of ownership and simplify installation, allowing you to manage content more conveniently. The SM5KC series strengthens capability in supporting various network-based protocols.

Built-in Speaker Model (10W x10W)

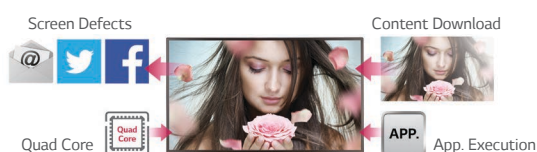
Key Features

Smart Platform



Quad Core SoC*

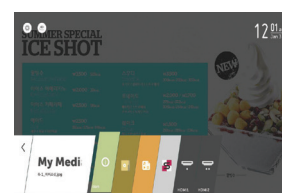
The high-performance SoC can execute several tasks at the same time and provides smooth content playback.



*System-on-Chip

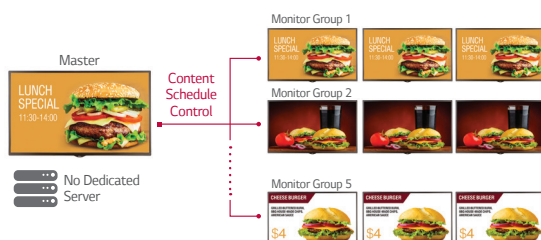
webOS 3.0

The webOS 3.0 platform provides powerful and convenient creation tools, including app development materials.



Group Manager

Content can be created, distributed and controlled by a signage without a dedicated PC or server.



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

PBP (Picture-By-Picture) and PIP (Picture-In-Picture) features enable you to compose various layouts for several digital devices.

PBP (Picture-By-Picture)



PIP (Picture-In-Picture)



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Screen Sizes
65"/55"/49"/43"/32"



SM5KC Series

- Brightness : 450 cd/m² (32" 400 cd/m²)
- Bezel : Top/Left/Right 0.5" mm (Bottom 0.7" 0 mm)
- Depth : 56.5 mm (65"), 54 mm (55", 49", 43"), 55.5 mm (32")
- Interface : HDMI, DVI, DP, RGB, RJ45, IR, RS232C, SD Card, USB
- Built-in Speaker : 10W + 10W



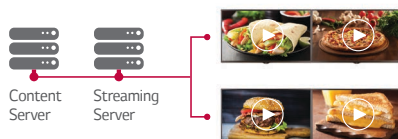
webOS 3.0

Key Features

Support Network Protocol

IP Streaming Protocol

Various types of IP video streaming protocol are supported, such as RTSP/RTP, MMS, HLS and MPEG-2 TS*.



*RTSP (Real-Time Streaming Protocol),
RTP (Real-time Transport Protocol),
MMS (Microsoft Media Server), HLS (http live streaming)

Secure Communication Protocol

By supporting HTTPS* protocol, communication between server and signage is more secure.



*HTTPS: Hypertext Transfer Protocol over Secure Socket Layer

Proxy Server

Web access speed and security can be improved by supporting Proxy Server (A server that acts as an intermediary for requests from clients seeking resources from other servers.)



Built-in Wi-Fi

Mirroring

Content sharing is more convenient on a Wi-Fi network.



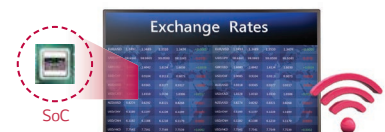
Soft AP

The SM5KC with Soft AP software can operate as a wireless access point for mobile devices.



Simple Installation

Installation has been simplified by removing the external media player and Ethernet/RS232C cables.



Wi-Fi: (removing Ethernet or RS232C cables)
802.11n (2.4 GHz/5 GHz)

Supportive Convenience

BEACON

With BEACON and Bluetooth Low Energy (BLE) supported by SM5KC*, retail stores can provide coupons and information in real time.



* SM5KC is enhanced to support ibeacon** and Eddystone***
** iBeacon: Bluetooth Low Energy beacon profile released by Apple in 200.5"
*** Eddystone: Bluetooth Low Energy beacon profile released by Google in 2015

Enhanced Maintenance

Dust & Humidity Protection

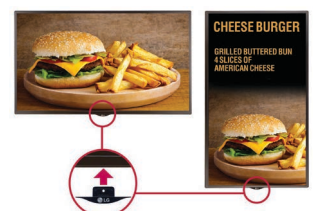
Circuit board reliability is enhanced with conformal coating that protects against dust, iron powder, humidity and other harsh conditions.



Industrial Design

Detachable logo

The detachable logo allows for installation in the desired orientation: landscape or portrait mode.



Standard Performance SM5KC Series

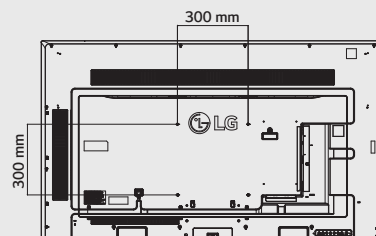
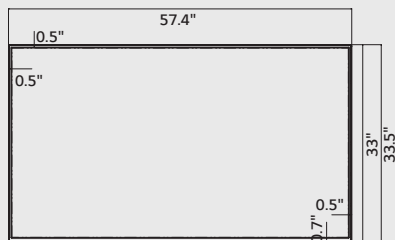
Smart Platform with a Powerful Embedded System-on-Chip

Dimension

65"

57.4" x 33" x 2.2" /

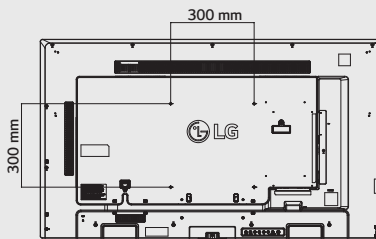
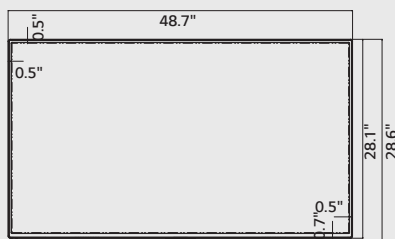
61.5 lbs



55"

48.7" x 28.1" x 2.1" /

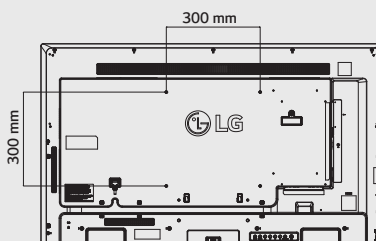
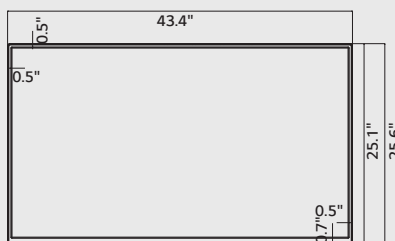
38.6 lbs



49"

43.4" x 25.1" x 2.1" /

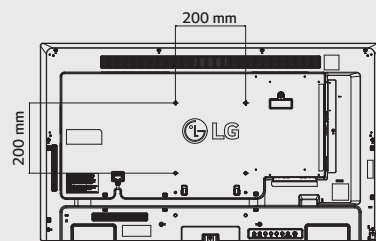
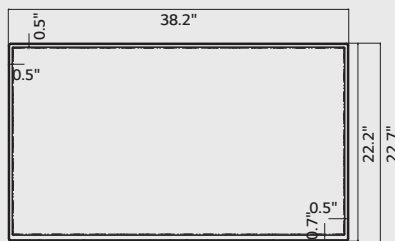
31.5 lbs



43"

38.2" x 22.2" x 2.1" /

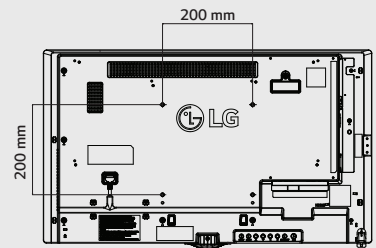
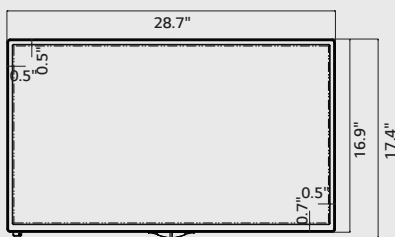
22 lbs



32"

28.7" x 16.9" x 2.2" /

1.9 lbs



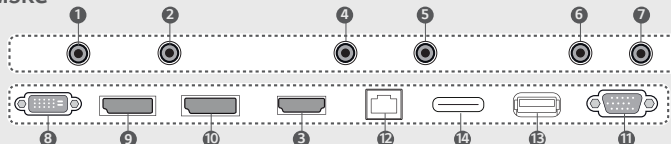
Specifications

SM5KC Series		65SM5KC	55SM5KC	49SM5KC	43SM5KC	32SM5KC
PANEL	Screen Size	65"	55"	49"	43"	32"
	Panel Technology	IPS				
	Aspect Ratio	16 : 9				
	Native Resolution	1,920 x 1,080 (FHD)				
	Brightness	450 cd/m ²				400 cd/m ²
	Viewing Angle (H x V)	178 x 178				
	Response Time	10 ms (G to G BW), 7.6 ms (WOT)	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	Hard coating (3H), Anti-glare treatment of the front polarizer (Haze 1 % (Typ.))				
	Life time (Typ.)	50,000 hrs (Typ.)				
	Guaranteed Operating Hour	24 hrs				
CONNECTIVITY	Orientation	Portrait & Landscape				
	Input	HDMI, DP, DVI-D, RGB, Audio, SD card, USB 3.0				
	Output	DP, Audio				
PHYSICAL SPECIFICATION	External Control	RS232C in/out, RJ in, IR Receiver, Pixel Sensor				
	Bezel Color	Black				
	Bezel Width	0.5" mm (T/R/L), 0.7" mm (B)	0.5" mm (T/R/L), 0.7" mm (B)	0.5" mm (T/R/L), 0.7" mm (B)	0.5" mm (T/R/L), 0.7" mm (B)	0.5" mm (T/R/L), 0.7" mm (B)
	Monitor Dimension (W x H x D)	57.4" x 33" x 2.2"	48.7" x 28.1" x 2.1"	43.4" x 25.1" x 2.1"	38.2" x 22.2" x 2.1"	28.7" x 16.9" x 2.2"
	Weight (Head)	61.5 lbs	38.6 lbs	31.5 lbs	22 lbs	0.5" lbs
	Weight (Head + Stand)	73 lbs	45.9 lbs	38.8 lbs	27.6 lbs	0.5" lbs
	Monitor with Optional Stand & Speaker Dimensions (W x H x D)	57.4" x 35.4" x 11.6"	48.7" x 30.4" x 8.6"	43.4" x 27.4" x 8.6"	38.2" x 24.5" x 7.6"	28.7" x 18.9" x 6.1"
	Carton Dimensions (W x H x D)	61.5" x 38.5" x 7.5"	52.4" x 31.6" x 6.7"	47.1" x 29.9" x 6.5"	41.4" x 25.6" x 4.8"	31.9" x 20.1" x 5.2"
	Packed Weight	74.5 lbs	47.8 lbs	38.4 lbs	27.8 lbs	14.8 lbs
	VESA™ Standard Mount Interface	300 x 300 mm	300 x 300 mm	300 x 300 mm	200 x 200 mm	200 x 200 mm
SPECIAL FEATURES		Temperature Sensor, Auto Brightness Sensor, Tile Mode (Up to 15x15), DPM wake up, Energy Saving, Smart Energy Saving, File Play with USB, PIP/PBP (2), Internal Memory (8 GB), USB Cloning, Easy Brightness Control, Holiday Schedule, Limited Mode, Wake on LAN, Fail over, Mirroring, SoftAP, BEACON, Embedded Template				
ENVIRONMENTAL CONDITIONS	Operating Temperature	32°F to 104°F	32°F to 104°F	32°F to 104°F	32°F to 104°F	32°F to 104°F
	Operating Humidity	10% to 80%	10% to 80%	10% to 80%	10% to 80%	10% to 80%
POWER	Power Supply	100-240 V~, 50/60 Hz				
	Power Type	Built-In Power				
	Power Switch	No				
POWER CONSUMPTION	Typ.	120 W	100 W	85 W	75 W	60 W
	Smart Energy Saving	85 W	70 W	60 W	55 W	45 W
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC				
	EMC	FCC Class "A" / CE / KCC				
	ErP / Energy Star	N/A / Yes (Energy Star 7.0)				N/A / N/A
	Audio Power	20 W (10 W x 2) for Internal Speaker (6 ohm)				
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes				
	External Media Player Attachable	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes (MP500/MP700)	No
SOFTWARE COMPATIBILITY	SuperSign W/Lite	Yes				
	SuperSign C	Yes				
ACCESSORIES	Basic	Remote Controller (included 2ea batteries), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, Memory cover				
	Optional	Speaker (SP-5000), Stand (ST-652T), Pixel sensor (KT-SPO), Media player, Wall bracket (LSW350B), VESA Adapter (AMB330S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch overlay (KT-T651)	Speaker (SP-5000), Stand (ST-492T), Pixel sensor (KT-SPO), Media player, Wall bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch overlay (KT-T550)	Speaker (SP-5000), Stand (ST-492T), Pixel sensor (KT-SPO), Media player, Wall bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch overlay (KT-T490)	Speaker (SP-5000), Stand (ST-432T), Pixel sensor (KT-SPO), Media player, Wall bracket (LSW230B), VESA Adapter (AM-B220S), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch overlay (KT-T430)	Speaker (SP-5000), Stand (ST-322T), Pixel sensor (KT-SPO), Wall bracket (LSW230B), OPS Kit (KT-OPSA), HDBaseT (EB-B100), Touch overlay (KT-T320)

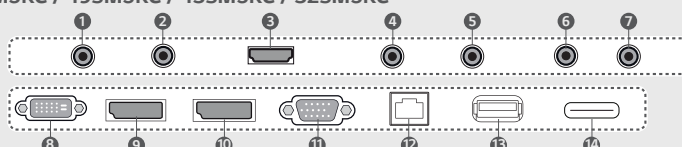
Connectivity

- ① IR & LIGHT SENSOR
- ② PIXEL SENSOR
- ③ HDMI
- ④ RS-232C IN
- ⑤ RS-232C OUT
- ⑥ AUDIO IN
- ⑦ AUDIO OUT
- ⑧ DVI-D IN
- ⑨ DP IN
- ⑩ DP OUT
- ⑪ RGB IN
- ⑫ LAN
- ⑬ USB 3.0
- ⑭ SD

65SM5KC



55SM5KC / 49SM5KC / 43SM5KC / 32SM5KC



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