LG **SH7DB** High Performance, Simple Installation

▶ **55SH7DB**
55" class (54.6" diagonal)

▶ **49SH7DB**
49" class (48.5" diagonal)

▶ **42SH7DB**
42" class (41.9" diagonal)

IPS 24hr/7days Detachable Logo SuperSign™

With its narrow even bezel, LG SH7DB enables you to create landscape or portrait walls in multiple installation scenes. It is enhanced in reliability and maintenance by protecting the circuit board from dust, iron fillings and humidity, and by detecting screen failures with SuperSignTM Software. Supporting convenient content management, this series are suitable for installation environments such as airport, retail and multiplex etc.
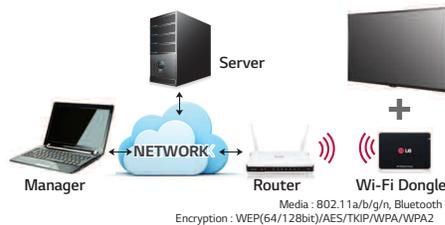
KEY FEATURES

CONVENIENT CONNECTIVITY SUPPORT

SIMPLE NETWORK MANAGEMENT PROTOCOL
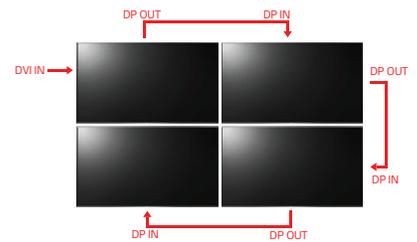SNMP support ensures convenient network management.

Display
SNMP
SNMP
SNMP
Control & Notification
Alert !!
NETWORK
Server
Manager
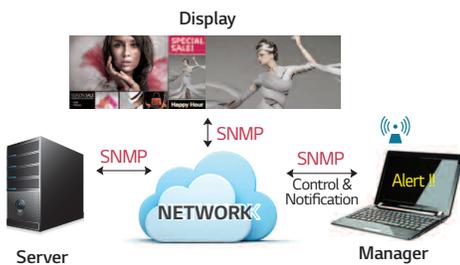
WI-FI SUPPORT
SH7DB Series support Wi-Fi USB dongle connection for convenient content distribution.

Server
Manager
NETWORK
Router
Wi-Fi Dongle
Media : 802.11a/b/g/n, Bluetooth
Encryption : WEP(64/128bit)/AES/TKIP/WPA/WPA2

DIGITAL INPUT TO DAISY CHAIN
Support DVI/HDMI digital signal turns to DP out.

DP OUT   DP IN
DVI IN
DP OUT
DP IN
DP IN   DP OUT

SCREEN MANAGEMENT MODE

ASPECT RATIO SUBSTANTIABILITY
Sustain the same resolution and picture quality while powering on/off by receiving EDID[1] through switch IC.

OFF ON

NG   SH7DB

1) Extended Display Identification Data.
* Installation Menu > LG Digital Signage > PM Mode

STAND-BY SCREEN*
Even without signal from the media player, the network does not turn off completely, so remote control is possible, which prevents unnecessary power usage and enables efficient management.

SCREEN OFF

Network ON

SCHEDULED SCREEN WASH
Prevent residual images with the screen transition feature..

** Installation Menu > ISM Method

DIGITAL SIGNAGE MANAGEMENT ESSENTIALS

SCREEN MANAGEMENT

SCREEN FAULT DETECTION
Detects screen failure and sends an alert log via email.

Exchange Rates

Self Diagnosis

Pixel Sensor

Screen Defects

Manager

SNMP

Managenmet
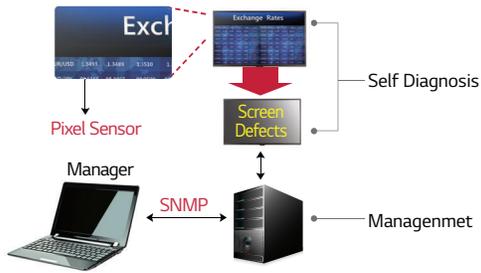
USB CONTENT SCHEDULING
Play and schedule contents with a USB connection-no server connection required.

jpg   USB   Audio

Today's brewed Coffee 1.75

mpeg4

*Supported Content Type : Video (MPEG1/2/4, H.264),
Audio(MP3, AC3, MPEG, AAC, HEAAC, LPCM), Image(JPEG, PNG, BMP)

PANEL ESSENTIALS

SLIM DESIGN | NARROW BEZEL
Slim

LG's monitors featuring a Direct-LED Backlight, have a stylishly slim design that fit perfectly into narrow spaces while ensuring high energy efficiency. The slim bezels are a perfect fit in confined areas and are easy to install.
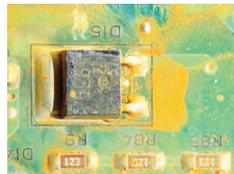
38.6mm

Bezel   **7.4mm**   Depth
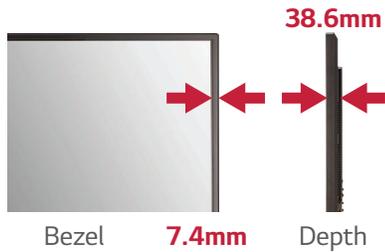
CONFORMAL COATING
Conformal coating helps protect against water, dust and iron powder deposits which accumulate in harsh environments, saving on expensive installation and added enclosure costs.
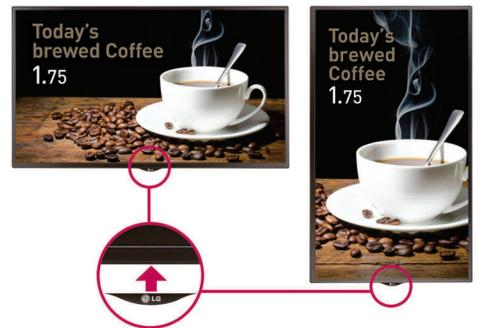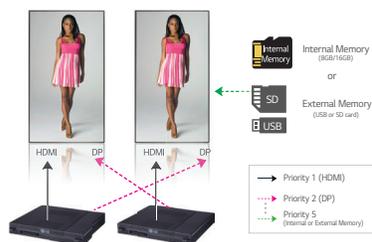
With Conformal Coating

Without Conformal Coating

DETACHABLE LOGO
Detachable Logo   LG

The detachable logo can be removed and repositioned to the desired setting. Perfect when using in Portrait Mode.

Today's brewed Coffee 1.75

Today's brewed Coffee 1.75

LG

ADVANCED FAILOVER
Fail Over

The enhanced failover function enables content in the internal memory to be displayed without dead spots when none of the external inputs are working. Monitor performs the signal switching automatically.

HDMI   DP   HDMI   DP

Internal Memory   Internal Memory (8GB/16GB)

or

SD   External Memory (USB or SD card)

USB

Priority 1 (HDMI)
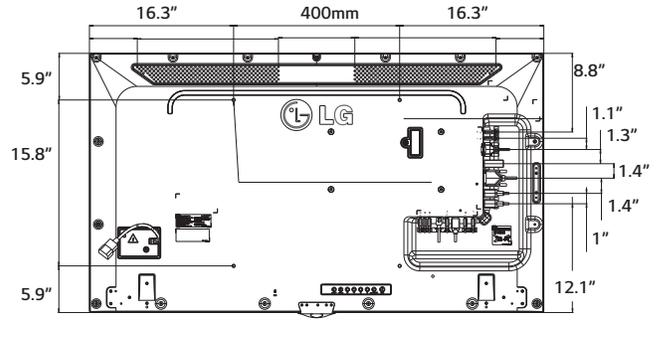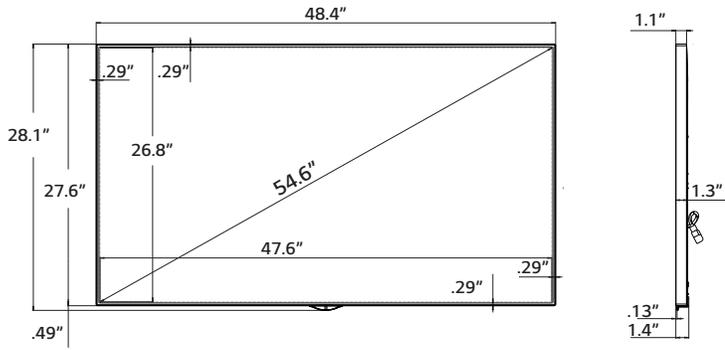Priority 2 (DP)
Priority 5 (Internal or External Memory)
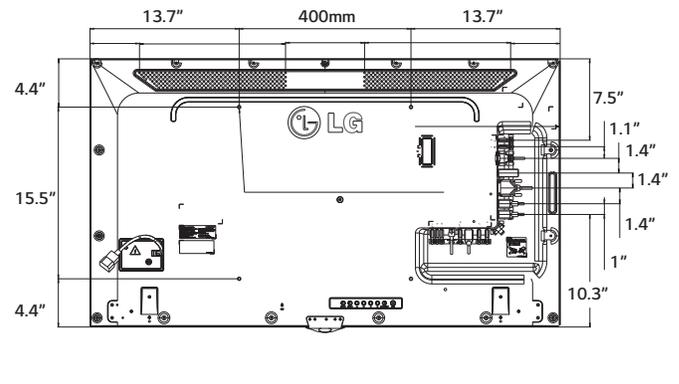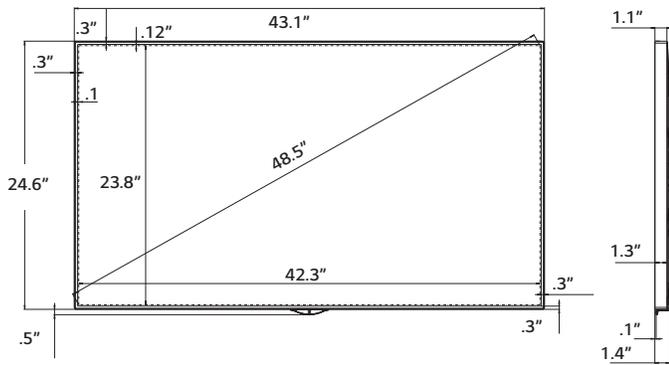
OPS (OPEN PLUGGABLE SPECIFICATION) KIT / HDBASET BOX
The SH7DB provides an OPS Kit to connect a third-party OPS player or HDBaseT box. Users have the flexibility to choose any media player as long as it complies with OPS.
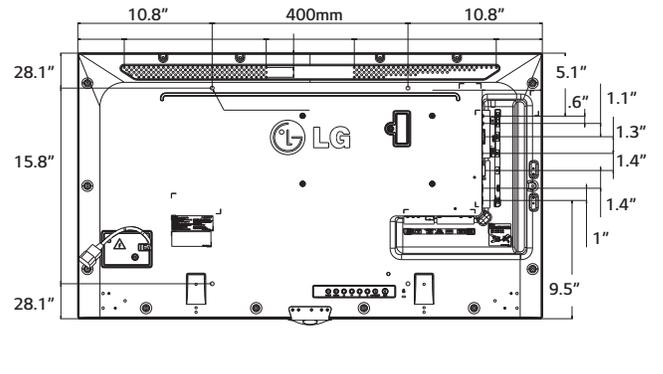
Connect With 41pin   Piggy back

SH7DB

OPS Kit (Optional)

OPS Player (Third-party)

or

HDBaseT Box (EB-Z)

55SH7DB

48.4"
1.1"
.29" .29"
28.1"
26.8"
27.6"
54.6"
47.6"
.29"
.29"
.49"
.29"
1.3"
.13"
1.4"

16.3"   400mm   16.3"
5.9"
8.8"
1.1"
1.3"
15.8"
1.4"
1.4"
1"
5.9"
12.1"

49SH7DB

.3"
.12"
43.1"
1.1"
.3"
.1
24.6"
23.8"
48.5"
42.3"
.3"
.5"
.3"
1.3"
.1"
1.4"

13.7"   400mm   13.7"
4.4"
7.5"
1.1"
1.4"
15.5"
1.4"
1.4"
4.4"
1"
10.3"

42SH7DB

37.4"
1.1"
.3"
.3"
21.9"
20.6"
41.9"
21.4"
36.5"
.3"   .3"
.5"
1.3"
.13"
1.4"

10.8"   400mm   10.8"
28.1"
5.1"
.6"
1.1"
1.3"
15.8"
1.4"
1.4"
1"
28.1"
9.5"
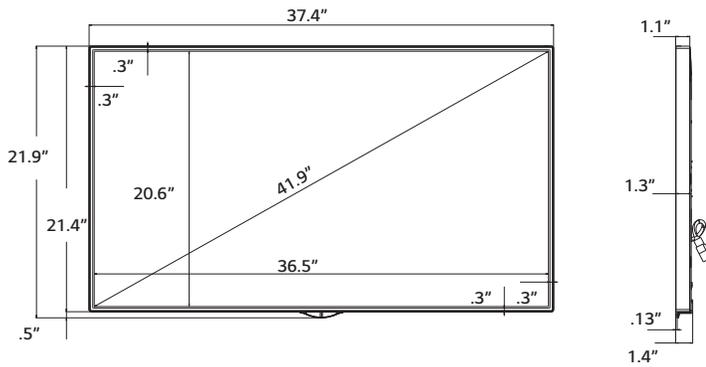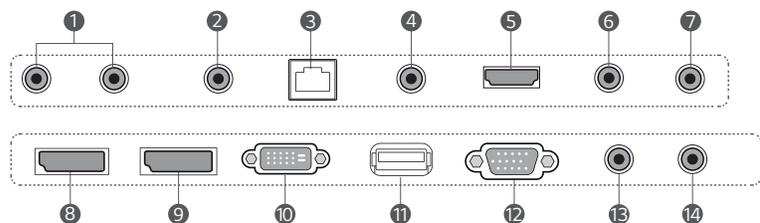
55/49/42SH7DB Rear Jack Pack

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

SH7DB
Standard Performance

▶ **55SH7DB**
55" class (54.6" diagonal)

▶ **42SH7DB**
42" class (41.9" diagonal)

▶ **49SH7DB**
49" class (48.5" diagonal)

PANEL	Model Name	55SH7DB	49SH7DB	42SH7DB
	Screen Size	55" class (54.6" diagonal)	49" class (48.5" diagonal)	42" class (41.9" diagonal)
	Panel Technology	IPS		
	Aspect Ratio	16:9		
	Native Resolution	1920 x 1080 (FHD)		
	Pixels (H x V x 3)	6,220,800		
	Brightness	700cd/m²		
	Contrast Ratio	1,300:1		
	Dynamic CR	500,000:1		
	Color Gamut	72%		
	Viewing Angle (H x V)	178˚ x 178˚		
	Color Depth	1.07 Billion		
	Response Time	8ms (G to G BW) Typical		
	Surface Treatment	Hard coating (3H), Anti-glare treatment of the front polarizer (Haze 10%)		
	Life Time (Typical)	50,000 Hrs min.		
	Operation Hours	24 Hr		
	Orientation	Portrait & Landscape		
INPUT	Digital	Yes		
	HDMI	Yes		
	DP	Yes		
	DVI	Yes		
	Audio	Yes		
	USB	Yes		
	HDTV Formats	HDMI : 720p, 1080i, 1080p		
OUTPUT	DP Out	Yes		
	Audio	Yes		
	External Speaker Out	Yes (L/R)		
	RS232C	Yes		
SPECIAL FEATURES	Auto Brightness Sensor	Yes		
	Tile Mode	Yes (Up to 15x15)		
	Natural Mode @Tile Mode	Yes		
	Source Selection	DVI-D, HDMI, Display Port, USB, OPS,RGB		
	Brightness/Contrast /Backlight	Yes		
	Position/Size	Yes		
	Auto Config/Phase	Yes		
	Language (OSD / USB PLAYBACK / MANUAL)	English, French, German, Spanish, Italian, Korean , Chinese (Simplified), Chinese (Original), Portuguese (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Portuguese (Europe), Dutch, Czech, Greek		
	ISM Method	Normal, White Wash, Color Wash, Orbiter, inversion, Washing Bar, User image		
	Advanced	Dynamic Contrast, Dynamic Color, Color Gamut, Skin Color, Sky Color, Grass color, Gamma		
	Time	Clock, On/Off Time, Auto Off, Automatic Standby		
	Input Label	Yes (PC/DTV)		
	Power On Status	Standard, PWR, LST		
	Key Operation	IR operation, Local key operation		
	DPM Select	Yes		
	DPM Wake Up	Yes		
	Energy Saving	Yes (Minimum, Medium, Maximum, Screen off)		
	Smart Energy Saving	Yes		
	File Play With USB	Yes		
	Wi-Fi	Dongle ready		
	USB Cloning	Logo image download, EzDownload, Sent to USB, Receive from USB		
	Easy Brightness Control	Yes		
	Contents Scheduling	USB		
	Calibration Mode	Yes		
	DS	Yes		
	Screen Off Schedule	Yes		
	Time Sync Clock	Yes		
	PM Mode	Yes		
	Holiday Schedule	Yes		

	Model Name	55SH7DB	49SH7DB	42SH7DB
SPECIAL FEATURES	Frameware Update (LAN)	Yes		
	Local Time Auto Setting	Yes		
	Still Image	Yes		
	HDMI-CEC	Yes		
	Limited Mode	Input source change, Menu Display, OSD Display		
	Power On Default	Input source, A/V Setting, Aspect Ratio		
	Wake On LAN	Yes		
	Digital Audio Input	Yes		
	Power On Delay	0 ~ 255		
	Pivot Mode	Yes		
	OSD Portrait Mode	0,90,270		
	Intelligent Auto	Yes		
	Password Change	Yes		
	SetID Setup	Manual, Auto		
	Configuration Setup	Splash upset Time, USB auto Playback, Screen saver Cube		
	Lock Mode	USB		
	Fail Over	USB, RGB, DVI, HDMI		
	SuperSign Server Setup	Player name, Server IP setting, Server IP Status		
	No Signal Image (Up to 5MB)	Yes		
	OPS PC Power Control	Sync On, Sync On/Off, Disable		
ENVIRONMENT CONDITIONS	Operation Temperature	32 °F to 104 °F		
	Operation Humidity	10 % to 80 %		
POWER	Power Supply	100-240V~, 50/60Hz		
	Power Type	Built-In Power		
POWER CONSUMPTION	Typical	140W	125W	110W
	Smart Energy Saving	95W	80W	60W
	DPM	0.7W (DP)		
	Power Off	0.5W		
AUDIO	Balance	Yes		
	Audio Power	20W (10W x 2) for External Speaker		
	Speaker On/Off	Yes		
	Clear Voice II	Yes		
	Virtual Surround	Yes		
	Equalizer	Yes		
	Sound Mode	Standard, News, Music, Cinema, Sport, Game		
CERTIFICATION	Safety / EMC / ErP / ENERGY STAR ®	UL / cUL / CB / TUV / KC / FCC Class "A" / CE / KCC / Yes / Yes (ENERGY STAR 6.0)		
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes		
	External Media Player Attachable	Yes (MP500/MP700)		
SOFTWARE COMPATIBILITY	SuperSign-w lite	Yes		
	SuperSign-c	Yes		
CABINET	Bezel Color	Black		
	Bezel Width	7.4mm (T/L/R/U even)		
	(W x H x D)	48.4" x 28.1" x 1.3"	43.1" x 25.1" x 1.3"	37.4" x 21.9" x 1.3"
	Weight	45.6lbs	34.4lbs	27.6lbs
	w/Optional Stand (WxHxD)	48.4" x 30.6" x 11.7"	43.1" x 27.6" x 11.7"	37.4" x 24.3" x 11.7"
	w/Optional Stand Weight	48.7lbs	37.5lbs	30.6lbs
	w/Optional Stand & Speakers (WxHxD)	48.4" x 30.6" x 11.7"	43.1" x 27.6" x 11.73"	37.4" x 24.3" x 11.7"
	w/Optional Stand & Speakers Weight	50.5lbs	39.2lbs	32.4lbs
	Carton (WxHxD)	52.4" x 32.1" x 6.9"	47.1" x 29.9" x 5.3"	41.1" x 25.4" x 5"
	Carton Weight	55.6lbs	41.2lbs	32.6lbs
	VESA™ Compatible	400mm x 400mm		
	Temperature Sensor	Yes		
ACCESSORIES	Basic	Remote Controller (include battery 2 each), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver		
	Optional	SP-2100 (External Speaker), ST-200T, LSW440S, AN-WF500 (WiFi USB Dongle), KT-OPSA (OPS Kits), KT-SP0 (Pixel Sensor)		
OTHER	UPC	7 19192 19748 0	7 19192 19747 3	7 19192 19746 6
WARRANTY		3-Year Limited Warranty Parts/Labor/Backlight	Extended warranty options are also available		

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