Specifications

SH7DB Series

SH7DB Series		55SH7DB	49SH7DB	42SH7DB
	Screen Size	55	49	42
PANEL	Panel Technology	IPS (PD)		
	Aspect Ratio	16 : 9		
	Native Resolution	1,920 x 1,080 (FHD)		
	Brightness	700cd/m²		
	Contrast Ratio	1,300:1		
	Dynamic CR	500,000:1		
	Viewing Angle (H x V)	178 x 178		
	Response Time (typ.)	8ms (G to G BW)		
	Surface Treatment	Hard coating (3H), Anti-glare treatment of the front polarizer (Haze 10 % (Typ.))		
	Guaranteed Operating Hour	24 Hours		
	Orientation	Portrait & Landscape		
CONNECTIVITY	Input	HDMI, DP, DVI-D, RGB, Audio, USB		
	Output	DP, Audio, External Speaker		
	External Control	RS232C (In/Out), RJ45, IR Receiver, Pixel Sensor (Optional)		
PHYSICAL SPECIFICATION	Bezel Color	Black		
	Bezel Width	7.4mm (T/R/L/U even)	7.4mm (T/R/L/U even)	7.4mm (T/R/L/U even)
	Monitor Dimension (W x H x D)	1,230 x 701 x 29mm	1,095 x 625 x 29mm	949 x 543 x 29mm
	Weight (Head)	20.7kg	15.6kg	12.5kg
	Weight (Head + Stand)	22.1kg	17kg	13.9kg
	Monitor with Optional Stand & Speaker Dimensions (W x H x D)	1,230 x 776 x 298mm	1,095 x 700 x 298mm	949 x 618 x 298mm
	Weight (Head + Stand + Speaker)	22.9kg	17.8kg	14.7kg
	Carton Dimensions (W x H x D)	1,330 x 815 x 174mm	1,197 x 760 x 134mm	1,045 x 645 x 127mm
	Packed Weight	25.2kg	18.7kg	14.8kg
	VESA™ Standard Mount Interface	400 x 400mm		
SPECIAL FEATURES		USB Content Scheduling, Conformal Coating, SNMP Support, Wi-Fi Ready (Dongle), Power Management modes (Sustain Aspect Ratio/Stand-by Screen, etc.), No Signal Image setting, Enhanced ISM (Image Sticking Minimization) Mode, Holiday Schedule/Local Time Auto Setting, Fail-over (USB, RGB, DVI, HDMI), Wake on LAN, DVI/HDMI to DP out		
ENVIRONMENTAL CONDITIONS	Operating Temperature Range	0 ℃ to 40 ℃	0 ℃ to 40 ℃	0 ℃ to 40 ℃
	Operating Humidity Range	10 % to 80 %	10 % to 80 %	10 % to 80 %
POWER	Power Supply	100-240V~, 50/60Hz		
	Power Type	Built-In Power		
POWER CONSUMPTION	Typ.	140W	125W	110W
	Smart Enegy Saving	95W	80W	60W
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC		
	EMC	FCC Class "A" / CE / KCC		
	ErP / Energy Star	NA / Yes (Energy Star 6.0)		
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes	Yes	Yes
	External Media Player Attachable	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes (MP500/MP700)
SOFTWARE COMPATIBILITY	SuperSign-W/Lite	Yes		
	SuperSign-C	Yes		
ACCESSORY	Basic	Remote Controller (2 batteries included), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver		
	Optional	SP-2100 (External Speaker), ST-200T, LSW440S, AN-WF500 (Wi-Fi USB Dongle), KT-OPSA (OPS Kits), KT-SP0 (Pixel Sensor)	SP-2100 (External Speaker), ST-200T, LSW440S, AN-WF500 (Wi-Fi USB Dongle), KT-OPSA (OPS Kits), KT-SP0 (Pixel Sensor)	SP-2100 (External Speaker), ST-200T, LSW440S, AN-WF500 (Wi-Fi USB Dongle), KT-OPSA (OPS Kits), KT-SP0 (Pixel Sensor)

Connectivity
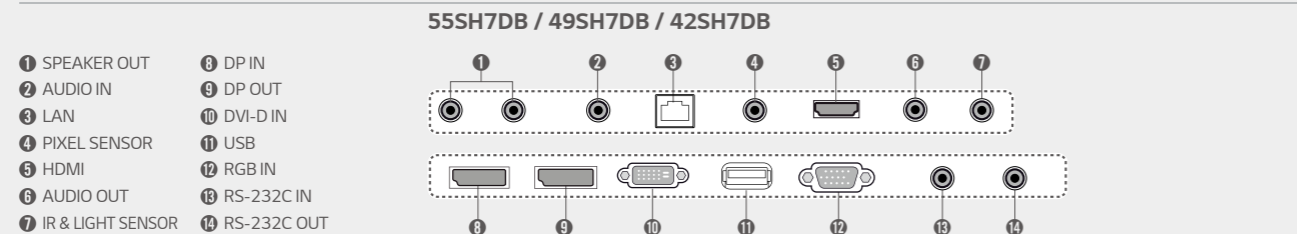
55SH7DB / 49SH7DB / 42SH7DB

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

Simplified Installation and Convenient Maintenance

Standard Performance SH7DB Series

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 SuperSign™ Software. Supporting convenient content management, this series are suitable for installation environments such as airport, retail and multiplex etc.

Key Features

Simplified Installation

Narrow Even Bezel
Slim, sleek and stylish design, SH7DB has advantages for portrait and video wall scene

Left/Right/Top/Bottom : 7.4mm   28.8mm   Depth
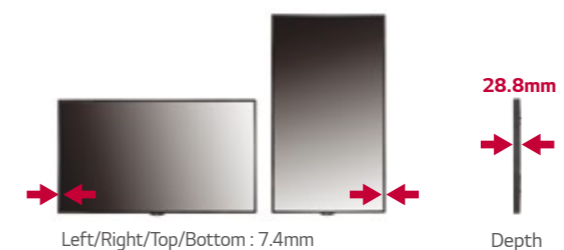
Detachable Logo
Portrait mode allows the logo to be positioned in the desired setting.

Supportive Convenience

OPS* & HDBaseT Compatibility
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 the OPS.

Connect With 41-pin   Piggy back

SH7DB   OPS Kit (Model : KT-OPSA / Optional)   OPS Player (Third-party) or HDBaseT Box (EB-B100)

*OPS : Open Pluggable Specification

Dust & Humidity Protection

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

Simplified Installation and Convenient Maintenance
Standard Performance SH7DB Series

Screen Sizes
55"/49"/42"

SH7DB Series
- Brightness : 700cd/m^2
- Bezel : Top/Left/Right/Bottom 7.4mm
- Depth : 28.8mm
- Special : Wi-Fi Dongle Ready, SuperSign W/C/M
- Local Time Auto Setting
- DP / HDMI / DVI / RGB / RS232C / RJ45 / IR (DP1.2 daisy-chain)

IPS | 700cd/m^2 | 24hr/7days | SuperSign™

Advanced Failover
Enables content to be displayed without dead spots when none of the external inputs is working. The monitor performs the signal switching automatically.

Dispaly 1 | Dispaly 2

USB | USB

USB Memory | USB Memory

HDMI DP | HDMI DP

→ Priority 1 (HDMI)
→ Priority 2 (DP)
→ Priority 3 (N/A)
→ Last Priority (USB Memory)

Key Features

Convenient Connectivity Support

Simple Network Management Protocol
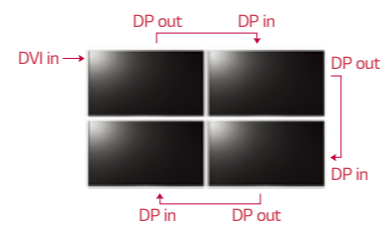SNMP support ensures convenient network management.

Display

SNMP | SNMP | SNMP

NETWORK

Control & Notification | Alert !

Server | Manager
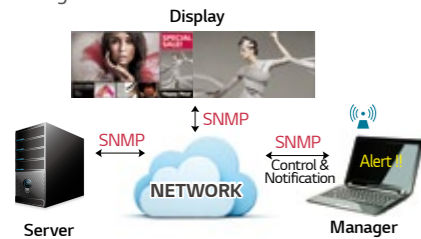
Wi-Fi Support
SH7DB Series support Wi-Fi USB dongle connection for convenient content distribution.

Server

Manager | NETWORK | Router | Wi-Fi Dongle

Media : 802.11a/b/g/n, Bluetooth
Encryption : WEP(64/128bit)/AES/TKIP/WPA/WPA2
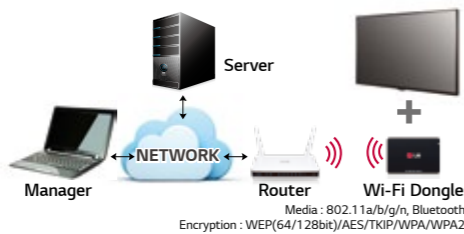
Digital input to Daisy Chain
Support DVI/HDMI digital signal turns to DP out.

DP out | DP in
DVI in →
DP out
DP in
DP in | DP out

Screen Management Mode

Aspect Ratio Sustainability*
Sustain the same resolution and picture quality while powering on/off by receiving EDID[1] through switch IC.

OFF | ON

NG | SH7DB
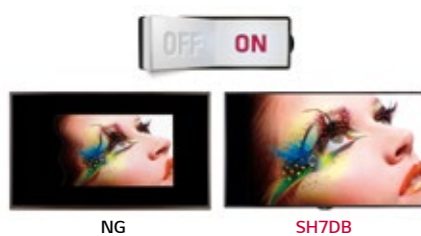
1) Extended Display Identification Data.
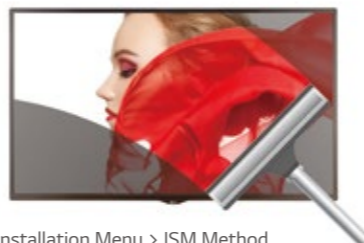* Installation Menu > LG Digital Signage > PM Mode

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**
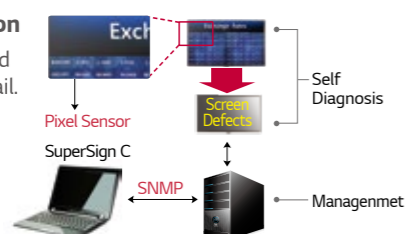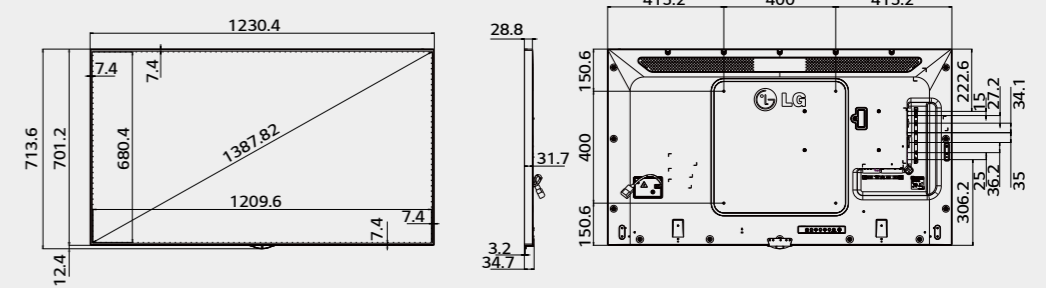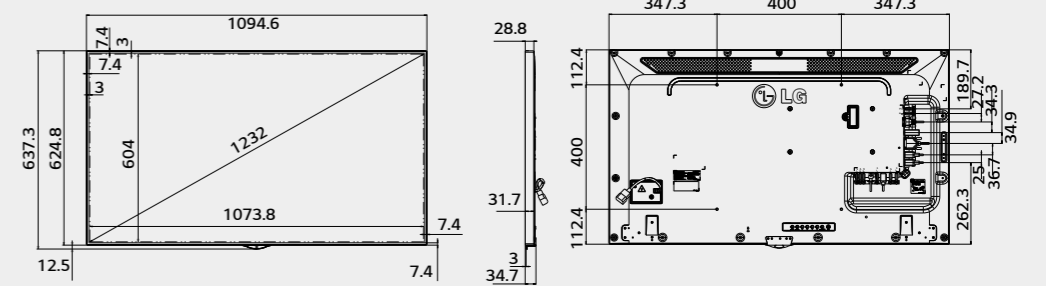Prevent residual images with the screen transition feature.

** Installation Menu > ISM Method

Content Management

Screen Fault Detection
Detects screen failure and sends an alert log by email.

Exch

Pixel Sensor | Screen Defects | Self Diagnosis

SuperSign C | SNMP | Managenmet

USB Content Scheduling
Play and schedule contents with a USB connection-no server connection required.

Image | USB | Audio

Video

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

Dimension (unit : mm)

55"
1,230 x 701 x 29 / 20.7kg

1230.4 | 28.8 | 415.2 | 400 | 415.2
713.6 | 701.2 | 680.4 | 1387.82 | 150.6 | 400 | 222.6 | 127.2 | 34.1
1209.6 | 31.7 | 150.6 | 306.2 | 36.2 | 35
12.4 | 7.4 | 7.4 | 3.2 | 34.7

49"
1,095 x 625 x 29 / 15.6kg

1094.6 | 28.8 | 347.3 | 400 | 347.3
637.3 | 624.8 | 604 | 1232 | 112.4 | 400 | 189.7 | 34.3 | 34.9
1073.8 | 31.7 | 112.4 | 262.3 | 36.3 | 367
12.5 | 7.4 | 3 | 34.7

42"
949 x 543 x 29 / 12.5kg

948.7 | 28.8 | 274.4 | 400 | 274.4
555.2 | 542.8 | 521.96 | 1064.67 | 71.4 | 400 | 128.7 | 27.1 | 34.1
927.94 | 31.7 | 71.4 | 241.6 | 36.3 | 35
12.4 | 7.4 | 7.4 | 3.2 | 34.7