LG UH5B Ultra HD Smart Platform

DIGISIGN

65UH5B
65" class (64.5" diagonal)

55UH5B
55" class (54.6" diagonal)

49UH5B
49" class (48.5" diagonal)

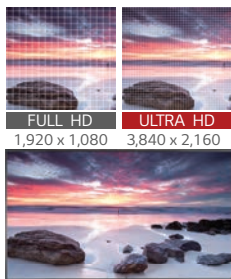IPS · SUPERSIGN · ENERGY STAR · webOS · 24hr/7days

The UH5B Series with webOS signage, allows for customized apps that are easy to create using LG's Software Development Kit. The built-in Wi-Fi and SoC reduces total cost of ownership, simplifies installation, and managing content is easy and convenient.

KEY FEATURES

ULTRA HD RESOLUTION (3840X2160)
Excellent energy-efficiency and cost-savings with the M+ panel*, which decreases power consumption by 31% compared to an RGB panel.

FULL HD
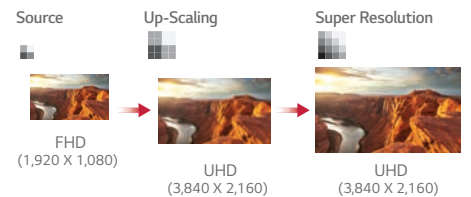1,920 x 1,080

ULTRA HD
3,840 x 2,160

High Efficiency Video Coding
Supports HEVC-based content which has the double data compression ratio than the H.264 so network traffic can be reduced by half.

Up-Scaling and Super Resolution
Up-scaling and Super Resolution technology enhance the quality of FHD content to near-UHD quality.

Source | Up-Scaling | Super Resolution

FHD
(1,920 X 1,080)

UHD
(3,840 X 2,160)

UHD
(3,840 X 2,160)

LOW POWER CONSUMPTION BY M+
Excellent energy-efficiency and cost-savings with the M+ panel*, which decreases power consumption by 31% compared to an RGB panel.

MAX 495W (RGB)

MAX 3260 (M+)

Reduced by 31%

Conventional

SoftAp
The UH5B with SoftAp software can operate as a wireless access point for mobile devices.

MIRRORING
Content sharing is convenient through a Wi-Fi network.
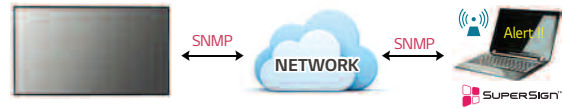
DIGITAL SIGNAGE MANAGEMENT ESSENTIALS

QUAD CORE SOC (SYSTEM-ON-CHIP)

The High Performance SoC can execute several tasks at the same time and provides smooth content playback
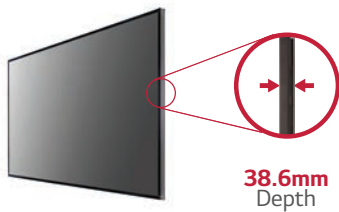
EASY MAINTENANCE WITH REAL TIME REMOTE MONITORING

When an alarm occurs, an e-mail notification is sent using SuperSign C or SI SW through the SNMP Protocol. In case of malfunctions or errors, real-time remote care is available

SLIM DESIGN | NARROW BEZEL

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
Depth

webOS

LG's webOS enabled displays feature an all-in-one hardware and software platform that allows software developers to install and run their software in a more simplified solution. This approach offers architecture that enables easy-to-build web-based apps across multiple platforms, This approach offers software architecture, including iOS®, Android® and Windows®. Using LG's SDK, integrators can construct their own ideal customized signage solution for their clients.

SuperSign — Digital Signage Solution

Run messages on up to 50 display screens in the form of a billboard without any additional hardware. Advertisements, information and broadcast content can be arranged on the same screen to attract attention and deliver specific messaging to your customer base.

LG SuperSign Lite Usage Example
Different layout and designs available.

Put your own content and message here

Display player's name, server IP setting, server IP status and video here
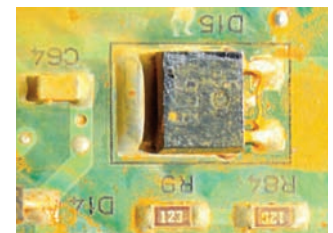
CONFORMAL COATING

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
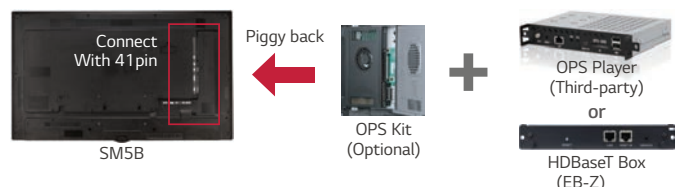
Without Conformal Coating

BEACON CONVENIENT SUPPORT

With BEACON and Bluetooth Low Energy (BLE) supported by UH5B, retail stores can provide coupons and information in real-time.

Receive BEACON Signal
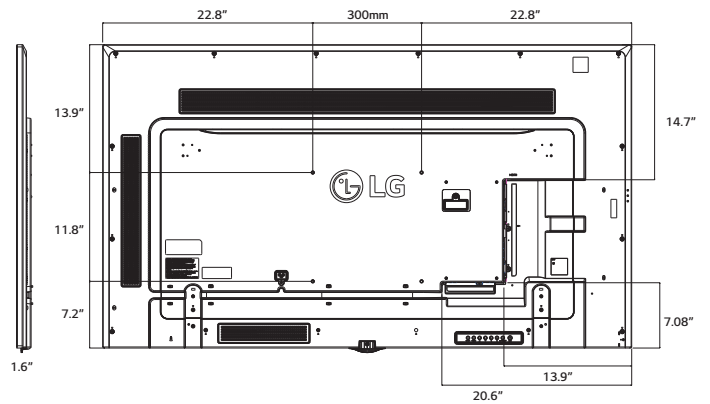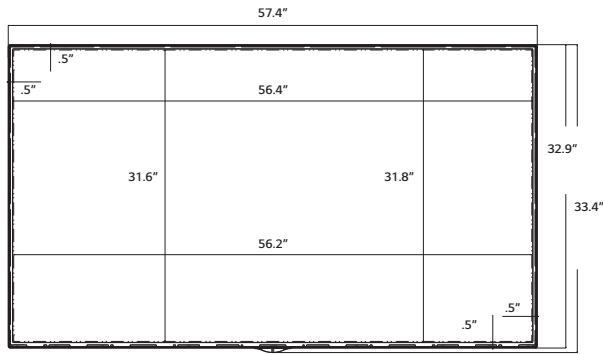
Retrive Coupon data

Provide a Coupon

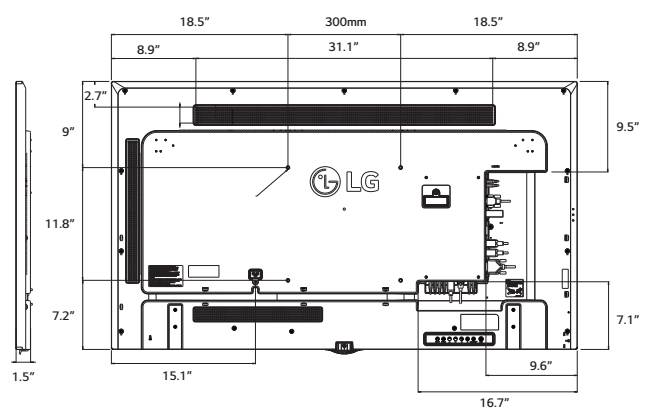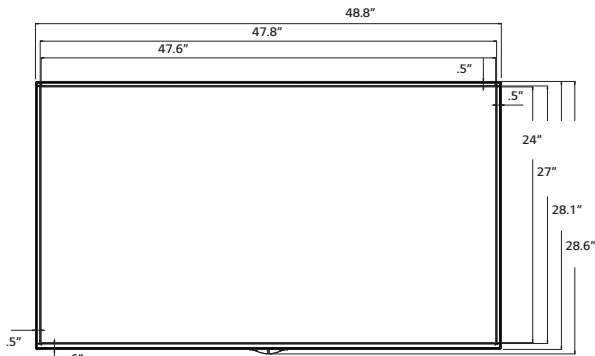## OPS (OPEN PLUGGABLE SPECIFICATION) KIT / HDBASET BOX

The UH5B 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

SM5B

OPS Kit (Optional)

OPS Player (Third-party)
or
HDBaseT Box (EB-Z)

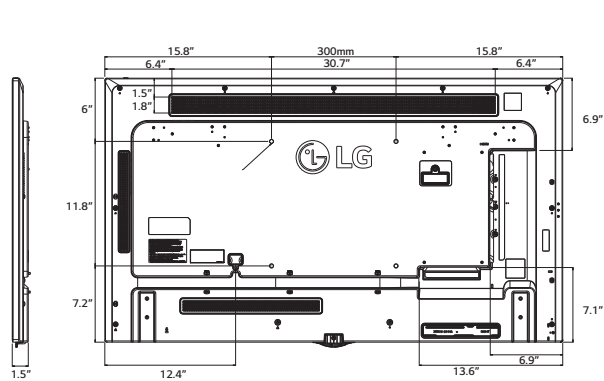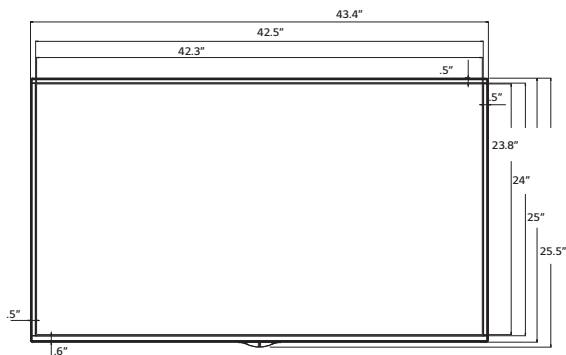**65UH5B**

55UH5B

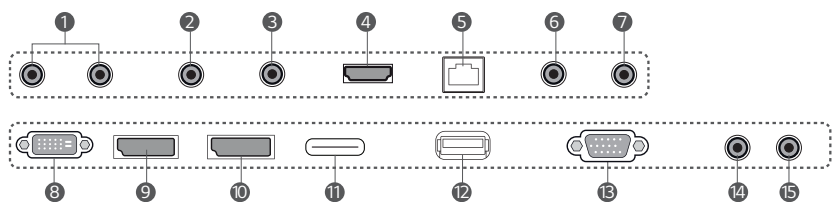**49UH5B**

① SPEAKER OUT
② IR & LIGHT SENSOR
③ PIXEL SENSOR
④ HDMI
⑤ LAN
⑥ AUDIO IN
⑦ AUDIO OUT
⑧ DVI-D IN
⑨ DP IN
⑩ DP OUT
⑪ SD Card
⑫ USB 3.0
⑬ RGB IN
⑭ RS-232C IN
⑮ RS-232C OUT

65/55/49UH5B Rear Jack Pack

UH5B
Ultra HD Smart Platform

▶ **65UH5B**
65" class
(64.5" diagonal)

▶ **49UH5B**
49" class
(48.5" diagonal)

▶ **55UH5B**
55" class
(54.6" diagonal)

	Model name	65UH5B	55UH5B	49UH5B
PANEL	Screen Size	65" class (64.5" diagonal)	55" class (54.6" diagonal)	49" class (48.5" diagonal)
	Panel Technology	IPS		
	Aspect Ratio	16 : 9		
	Native Resolution	3840 x 2160 (UHD)		
	Pixels (H x V x 3)	24,883,200		
	Brightness	500cd/m²		
	Contrast Ratio	1,000:1		
	Dynamic CR	4,000,000:1		
	Color Gamut	68%		
	Viewing Angle (H x V)	178° x 178°		
	Color Depth	1.06 Billion		
	Response Time	8ms (G to G)		
	Surface Treatment	Low Haze 1%		
	Life Time (Typical)	50,000 Hrs		
	Operation Hours	24 Hr		
	Orientation	Portrait & Landscape		
INPUT	HDMI	Yes (1), HDMI /HDCP2.2		
	DP	Yes (1), DP /HDCP1.3		
	DVI-D	Yes (1), HDCP2.2		
	RGB	Yes (1)		
	Audio In	Yes (1), RGB/DVI		
	RS232C IN	Yes (1)		
	RJ45	Yes (1)		
	IR Receiver	Yes (1)		
	Pixel Sensor	Yes (1)		
	USB (USB3.0)	Yes (1)		
	SD Card	Yes (SDHC/Full Size)		
	HDTV Formats	HDMI : 720p, 1080i, 1080p, 2160p		
OUTPUT	DP Out	Yes (1), SST/DP1.2a		
	Audio Out	Yes (1)		
	External Speaker Out	Yes (L/R), 6 ohm		
	RS232C OUT	Yes (1)		
SPECIAL FEATURES	Temperature Sensor	Yes		
	Auto Brightness Sensor	Yes		
	Cooling FAN	No		
	Tile Mode	Yes (Up to 15x15)		
	Natural Mode @Tile Mode	Yes		
	Source Selection	RGB, HDMI, DVI, DP, OPS, USB, SD Card		
	Brightness/Contrast/Backlight	Yes		
	Position/Size	Yes		
	Auto Config/Phase	Yes		
	Language (OSD)	English, French, German, Spanish, Italian, Korean , Chinese (Simplified), Chinese (Original), Portuguese (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portuguese (Europe), Dutch, Czech, Greek		
	ISM Method	Normal, White Wash, Color Wash, User image, User Video, Orbiter, Inversion, Washing Bar * Scheduling is supported additionally		
	Advanced	Dynamic Contrast, Dynamic Color, Color Gamut, Skin Color, Sky Color, Grass color, Gamma		
	Time	Clock, On/Off Timer, Auto Off, Automatic Standby		
	Input Label	Yes (PC/DTV)		
	Power On Status	Standby, PWR, LST		
	Key Operation	IR operation, Local key operation		
	DPM Select	Yes		
	DPM Wake Up	Yes (Analog: Sync only, Digital: Clock / Clock+Data selectable)		
	Energy Saving	Yes (Auto, Minimum, Medium, Maximum, Screen off)		
	Smart Energy Saving	Yes		
	File Play With USB	Yes		
	Internal Memory	8GB (System 4GB + Available 4GB)		
	Wi-Fi	802.11n combo built-in		
	USB Cloning	Logo image download, Sent to USB, Receive from USB		
	Contents Scheduling	USB, Internal memory, SD Card		
	Calibration Mode	Yes		
	DST	Yes		
	Sync Mode	Time sync, Content sync		
	PM Mode	Yes		
	Frameware Update (LAN)	Yes		
	Local Time Auto Setting	Yes		

	Model name	65UH5B	55UH5B	49UH5B
SPECIAL FEATURES	Overlay Touch	Yes ('15.May)		
	Still Image	Yes		
	HDMI-CEC	Yes		
	Wake On LAN	Yes		
	Digital Audio Input	Yes		
	Power On Delay	0 – 250		
	Pivot Mode	Yes		
	Content Rotation	0,90, 270		
	OSD Portrait Mode	0,90, 270		
	Intelligent Auto	Yes		
	Password Change	Yes		
	SetID Setup	Manual, Auto		
	Configuration Setup	USB auto Playback		
	Lock Mode	USB		
	Fail Over	USB, SD card, RGB, DP, OPS, DVI, HDMI, Internal Memory		
	SuperSign Server Setup	Signage name, Server IP setting, Server IP Status		
	Media Share	Mirroring, SoftAP		
	Beacon	On/Off		
	Embedded Template	Yes		
	Check Screen			
	OPS PC Power Control	Sync On, Sync On/Off, Disable		
ENVIRONMENT CONDITIONS	Operation Temperature	32 °F to104 °F		
	Operation Humidity	10 % to 80 %		
POWER	Power Supply	100-240V~, 50/60Hz		
	Power Type	Built-In Power		
	Typical	130W	116W	100W
	Smart Energy Saving	90W	80W	70W
	DPM	0.5W		
	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 Plus	Yes		
	Equalizer	Yes		
	Sound Mode	Standard, News, Music, Cinema, Sports, Game		
CERTIFICATION	Safety / EMC / ErP / ENERGY STAR ®	UL / cUL / CB / TUV / KC FCC Class "A" / CE / KCC Yes / No (ENERGY STAR 6.0)		
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes		
	External Media Player	Yes (MP500/MP700)		
SOFTWARE COMPATIBILITY	SuperSign-w lite	Yes		
	SuperSign-c	Yes		
CABINET	Bezel Color	Black		
	Bezel Width	12.1mm (T), 12.6mm (R/L), 15.7mm (B)		11.9mm (T), 12.4mm (R/L), 15.5mm (B)
	WxHxD	57.4" x 33.4" x 1.6"	48.8" x 28.6" x 1.5"	43.4" x 25.5" x 1.5"
	Weight	57.3lbs	36.6lbs	29.3lbs
	w/Optional Stand WxHxD	57.4" x 36.0" x 12.4"	48.8" x 31.1" x 11.7"	43.4" x 28.1" x 11.7"
	w/Optional Stand Weight	60.4lbs	39.9lbs	32.6lbs
	w/Optional Stand & Speakers (WxHxD)	57.4" x 36.1" x 12.4"	48.8" x 31.1" x 11.7"	43.4" x 28.1" x 11.7"
	w/Optional Stand & Speakers Weight	61.9lbs	41.4lbs	34.2lbs
	Carton (WxHxD)	61.5" x 38.2" x 7.5"	52.4" x 31.8" x 6.7"	47.1" x 29.9" x 6.5"
	Carton Weight	TBD	45.2lbs	36.6lbs
	VESA™ Compatible	300 mm x 300 mm		
ACCESSORIES	Basic	Remote Controller (include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, Memory cover		
	Optional	Speaker (SP-5200), Stand (ST-651T), Pixel sensor (KT-SP0), Media player, Wall bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HD Base T (EB-B100)		
OTHER	UPC	7 19192 19847 0	7 19192 19846 3	7 19192 19845 6
WARRANTY		3-Year Limited Warranty Parts/Labor/Backlight	Extended warranty options are also available		

IPS SUPERSIGN webOS 24hr/7days

All screen images are simulated. Dimensions and weights are approximate. Design, specifications, and features subject to change without notice.

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