UHD Signage | UH7F Series

LG UHD Signage Provides Information Effectively

The UH7F series is a UHD signage that has been optimized for various indoor environments.
It features superior UHD quality, slim design, external dust protection, and various convenience for users.
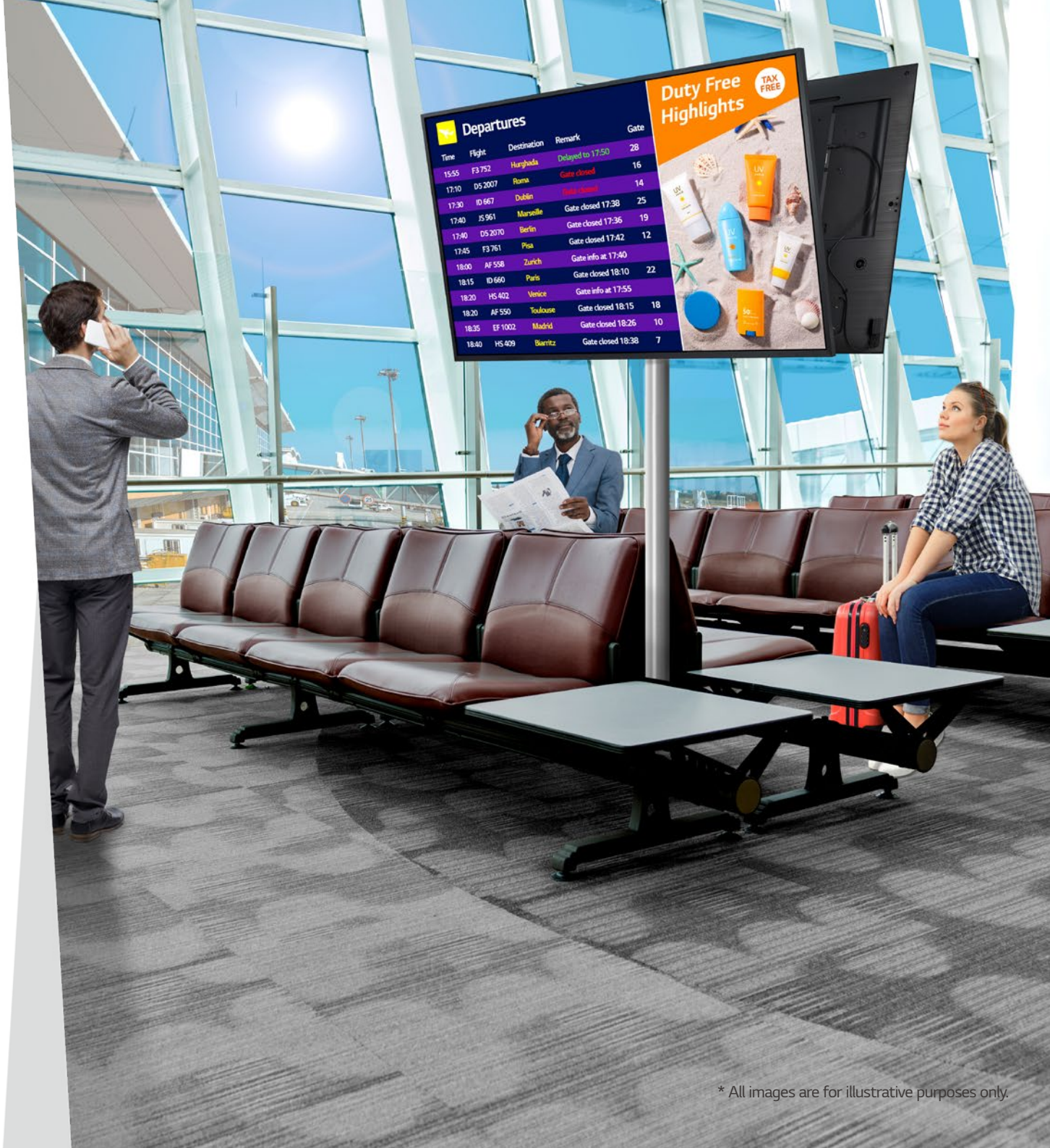
4K UHD Superb Picture Quality

Sleek and Practical Design

Product Reliability

Easy Installation

LG | Business Solutions

SUPERB PICTURE QUALITY
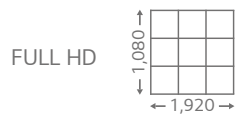
ULTRA HD Resolution

With the resolution that is 4 times higher than FHD, it makes the color and details of the contents more vivid and realistic. In addition, the wide viewing angle applied with LG IPS Panel, provides clear contents with no distortion.

FULL HD
1,080
1,920

ULTRA HD
2,160
3,840

High Efficiency Video Coding

The UH7F series supports HEVC* which efficiently compresses/decompresses high-capacity UHD contents, playing ultra-high quality videos with half the network traffic when compared to the existing H.264 codec.

H.264   HEVC

* HEVC : High Efficiency Video Coding

SLEEK AND PRACTICAL DESIGN

Narrow Bezel & Slim Depth

The UH7F series has a smaller bezel size and thickness, which saves space and enables easy installation. In addition, it increases the immersive experience from the screen and provides a sophisticated design, improving the décor of the space where the product is installed.
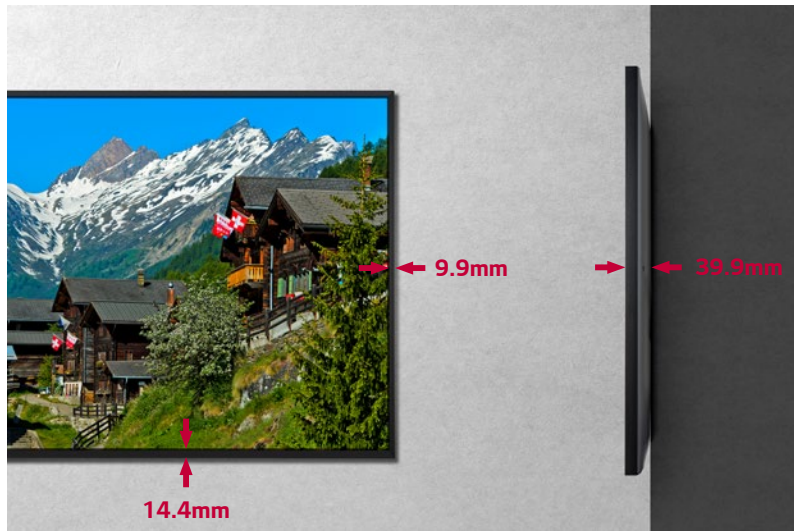
Detachable Logo and Built-in Speaker

The UH7F series is equipped with a new transparent logo which is well organized with surroundings. Also, its removable feature gives users flexibility for installation. Contents will be enriched with sound effects from built-in speakers, without the need for purchasing or installing external speakers.

IP5x Certified Design

The IP5x Dust-Proof Certification ensures that the product is completely protected from dust, eliminating the risk of performance degradation.


30° Tilting Installation

When a display is installed at high places, it is usually tilted for the user's comfort viewing. In consideration of this, the UH7F series supports the installation with 30 degrees of tilt*.

* Tilt installation of up to 30 degrees facedown is supported.
  (in conditions within 30℃ temperature, 50% humidity)

EASY INSTALLATION

Auto Screen Rotation

The UH7F series automatically detects its orientation (landscape or portrait mode) in the initial installation step, so manual rotation set-up process isn't required. The direction of OSD and background contents will be already set when you turn on a display at first.
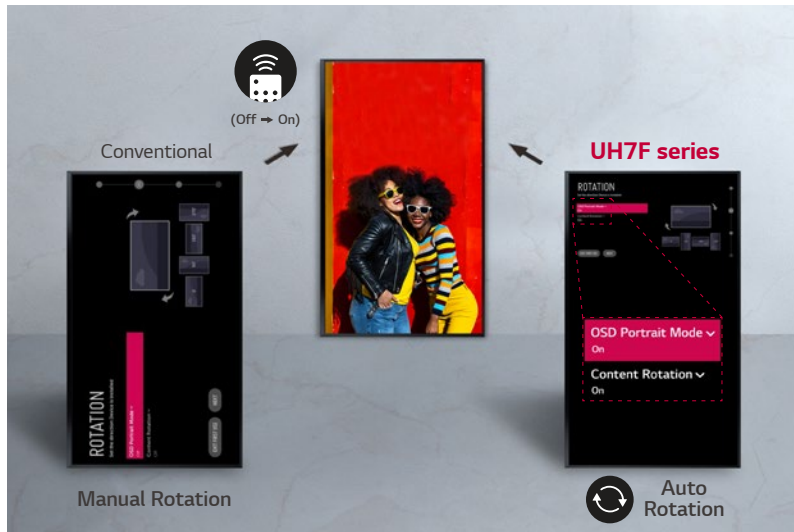
Fine Adjustment

The UH7F series is equipped with a "horizontal sensor" which shows users how the device is tilt, so that it can be precisely installed.

USER CONVENIENCE
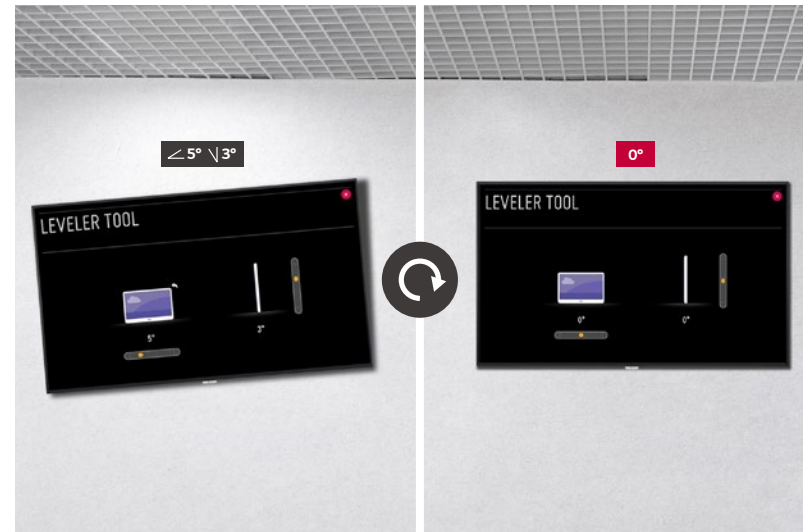
Remote Monitoring

The UH7F series can email notifications to users when there is a problem, such as tilting of the product by external impact, so users can operate the product in a safer manner as they can get the information about the problem right away.

Simple Accessibility

Unlike previous models where various buttons have to be pressed for control, the UH7F series provides a single joystick to easily facilitate power on/off, input/setting operation, volume control, etc.
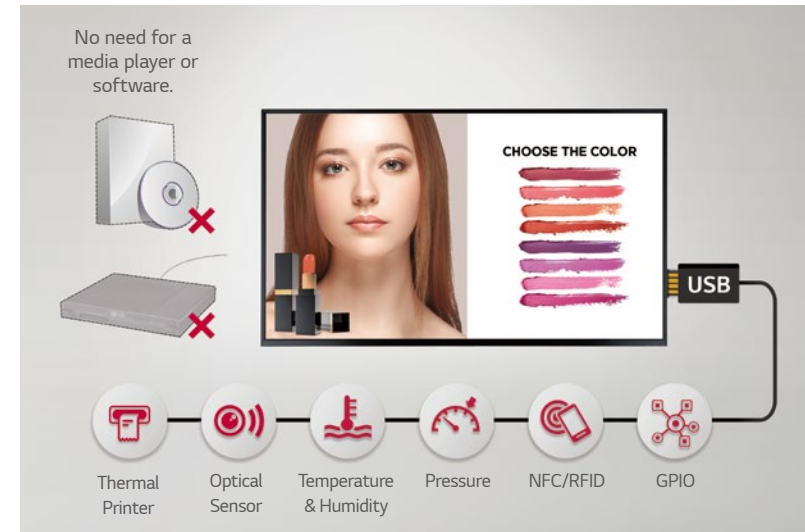
High-Performance with webOS

Built-in Quad Core SoC can execute several tasks at once while providing smooth content playback without the need for a media player. Also LG webOS platform enhances user convenience with intuitive GUI and simple app development tools.

Software Development Kit   SCAP Libraries   Sample Applications

Various Sensor Applications

LG webOS smart signage platform easily supports connections with external sensors such as GPIO, NFC/RFID, temperature sensors, etc, via USB plug-in. The overall cost for maintenance is reduced as there's no need to purchase additional software or media players for creating value-added solutions.

No need for a media player or software.

CHOOSE THE COLOR

USB

Thermal Printer   Optical Sensor   Temperature & Humidity   Pressure   NFC/RFID   GPIO

SMART FUNCTION

Compatibility with AV Control System

The UH7F series has been certified Crestron Connected® for high compatibility with professional AV controls to achieve seamless integration and automated control*, boosting business management efficiency.

* Network based control

Compatibility with Video Conference System

For the optimum visual meeting, the UH7F series has certified its compatibility with Cisco System that offers powerful and integrated control* for a smarter video conference, eliminating a waste of time for setting up the picture quality or changing input on incoming calls.
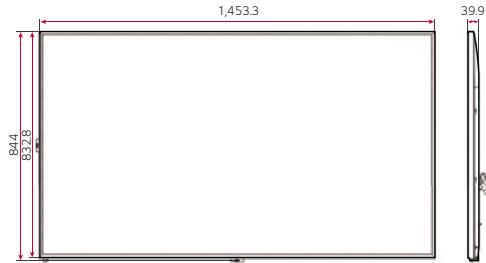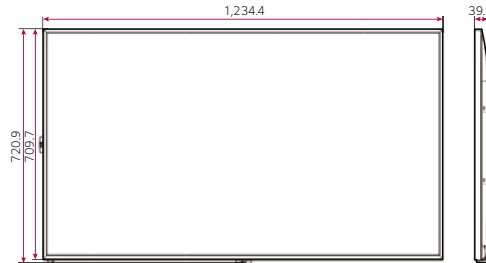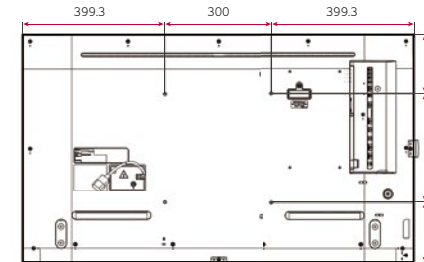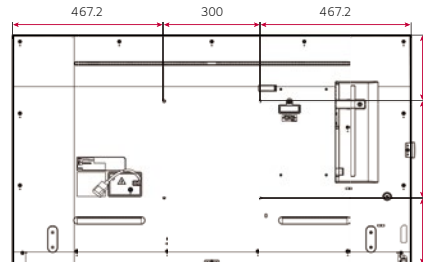

* Using an HDMI cable connection

DIMENSION (unit: mm)

65"

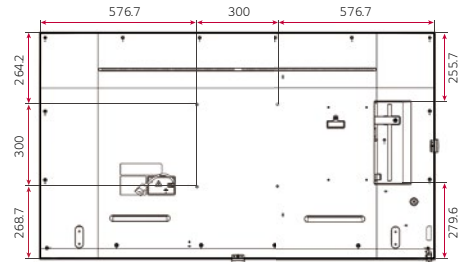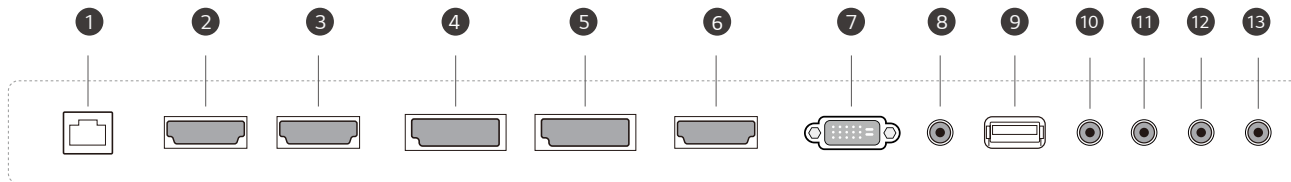1,453.3
39.9
844
832.8

576.7 | 300 | 576.7
264.2
300
268.7
255.7
279.6

55"

1,234.4
39.9
720.9
709.7

467.2 | 300 | 467.2
202.6
300
207.1

49"

1,098.6
39.9
644.5
633.3

399.3 | 300 | 399.3
164.4
300
168.9

CONNECTIVITY

65" | 55" | 49"

1 — 2 — 3 — 4 — 5 — 6 — 7 — 8 — 9 — 10 — 11 — 12 — 13

1	LAN	8	IR & LIGHT SENSOR
2	HDMI IN1	9	USB IN
3	HDMI IN2	10	AUDIO IN
4	DP IN	11	AUDIO OUT
5	DP OUT	12	RS-232C IN
6	HDMI IN3	13	RS-232C OUT
7	DVI-D IN		

* Dimensions & Jack Panels may differ from the above image, so please contact LG sales team to verify before ordering.

ENERGY STAR

		65UH7F	55UH7F	49UH7F
Panel	Screen Size	65"	55"	49"
	Panel Technology	IPS	IPS	IPS
	Native Resolution	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)
	Brightness (Typ.)	700 nit	700 nit	700 nit
	Contrast Ratio	1,100 : 1	1,100 : 1	1,100 : 1
	Dynamic CR[1]	500,000 : 1	500,000 : 1	500,000 : 1
	Color Gamut	BT709 95 %	BT709 95 %	BT709 95 %
	Viewing Angle (H x V)	178 × 178	178 × 178	178 × 178
	Color Depth	1.07 Billion Colors (10 bit)	1.07 Billion Colors (10 bit)	1.07 Billion Colors (10 bit)
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Surface Treatment (Haze)	Haze 3 %	Haze 3 %	Haze 3 %
	Operation Hours (Hours / Day)	24 / 7	24 / 7	24 / 7
	Portrait / Landscape	Yes / Yes	Yes / Yes	Yes / Yes
Connectivity	Input	HDMI (2, HDCP 2.2/1.4), HDMI (1, HDCP 1.4), DP(1, HDCP 2.2/1.3), DVI-D (1, HDCP 1.4), Audio, USB 2.0 Type A		
	Output	DP, Audio		
	External Control	RS232C (4 Pin Phone Jack) In / Out, RJ45 (LAN) In, IR In		
Mechanical Specification	Bezel Color	Black	Black	Black
	Bezel Width	9.9 mm (T/R/L), 14.4 mm (B)	9.9 mm (T/R/L), 14.4 mm (B)	9.9 mm (T/R/L), 14.4 mm (B)
	Weight (Head)	28.2 kg	19.0 kg	15.4 kg
	Monitor Dimensions (W × H × D)	1,453.3 × 844.0 × 39.9 mm	1,234.4 × 720.9 × 39.9 mm	1,098.6 × 644.5 × 39.9 mm
	Monitor Dimensions with Stand (W × H × D)	1,453.3 × 893.1 × 290.0 mm	1,234.4 × 770.7 × 290.0 mm	1,098.6 × 694.3 × 290.0 mm
	Handle	No	No	No
	VESA™ Standard Mount Interface	300 × 300 mm	300 × 300 mm	300 × 300 mm
Key Feature		Internal Memory (8 GB), Built-in Wi-Fi, Temperature Sensor, Auto Brightness Sensor, Acceleration (Gyro) Sensor, Local Key Operation, webOS 4.1, Embedded CMS (Local Contents Scheduling, Group Manager), USB Plug & Play, Fail Over, Background Image (Booting Logo Image, No Signal Image), Sync Mode (RS-232C Sync, Local Network Sync), Multi-Screen (PIP, PBP (4)), Screen Share, Video Tag (4), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 × 15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, Crestron Connected®[2], Smart Energy Saving, PM Mode, Wake on LAN, Beacon, HDMI-CEC[3], SI Server Setting, webRTC, Pro:Idiom		
Environmental Conditions	Operation Temperature	0 ℃ to 40 ℃	0 ℃ to 40 ℃	0 ℃ to 40 ℃
	Operation Humidity	10 % to 80 %	10 % to 80 %	10 % to 80 %
Power	Power Supply	AC 100 - 240 V ~, 50 / 60 Hz	AC 100 - 240 V ~, 50 / 60 Hz	AC 100 - 240 V ~, 50 / 60 Hz
	Power Type	Built-in Power	Built-in Power	Built-in Power
	Power Consumption — Typ. / Max.	130 W / 180 W	110 W / 160 W	100 W / 145 W
	Power Consumption — BTU (British Thermal Unit)	444 BTU/Hr (Typ.), 614 BTU/Hr (Max.)	375 BTU/Hr (Typ.), 546 BTU/Hr (Max.)	341 BTU/Hr (Typ.), 495 BTU/Hr (Max.)
Sound	Speaker	Yes	Yes	Yes
Certification	Safety	CB / NRTL	CB / NRTL	CB / NRTL
	EMC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC
	ErP / Energy Star	Yes / Energy Star 8.0	Yes / Energy Star 8.0	Yes / Energy Star 8.0
Media player Compatibility	OPS Type Compatible	Yes	Yes	Yes
	OPS Power Built In	No	No	No
Software Compatibility		SuperSign CMS, SuperSign Control / Control+, SuperSign WB, SuperSign Media Editor, Signage365Care[4]		
Accessories	Basic	Remote Controller, Power Cord, QSG, HDMI Cable, Regulation Book, Phone to RS232C Gender		
	Optional	Stand (ST-653T), Wall Bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSF)		
Special Feature	Tilt (Facedown)	Yes (Max. 30°)[5]		
	IP Rating	IP5X		

[1] The luminosity ratio of Full Black / Full White color on video input condition.
[2] Network based control
[3] Compatibility may differ by equipment.
[4] The availability can differ by region.
[5] In conditions within 30°C temperature, 50% humidity
* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.