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

*All images are for illustrative purposes only.
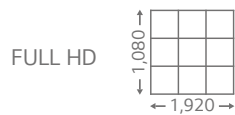
SUPERB PICTURE QUALITY

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.
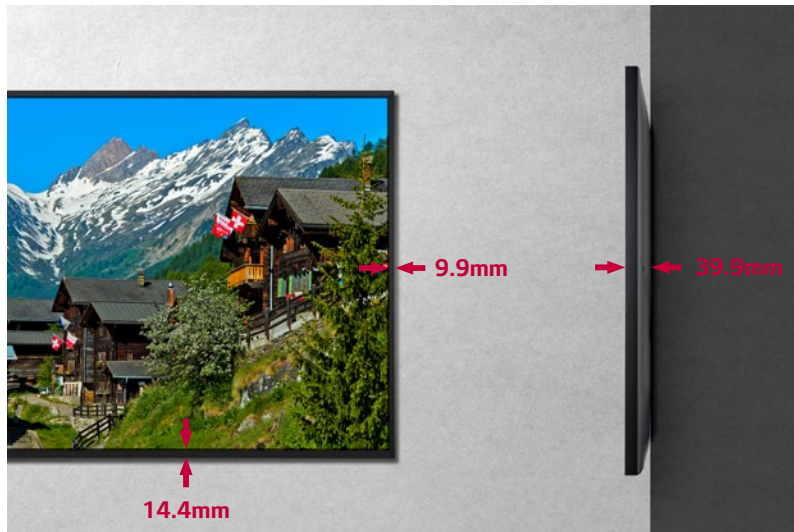
Detachable Logo and Built-in Speaker

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°C 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.
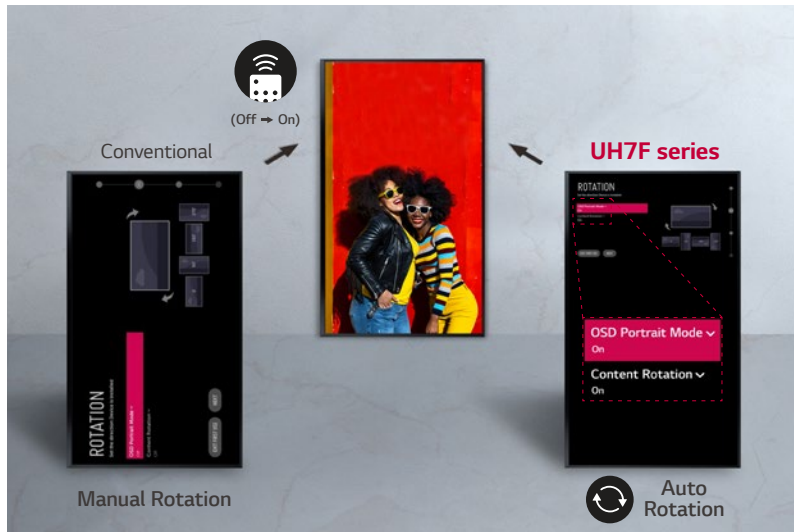
Fine Adjustment

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
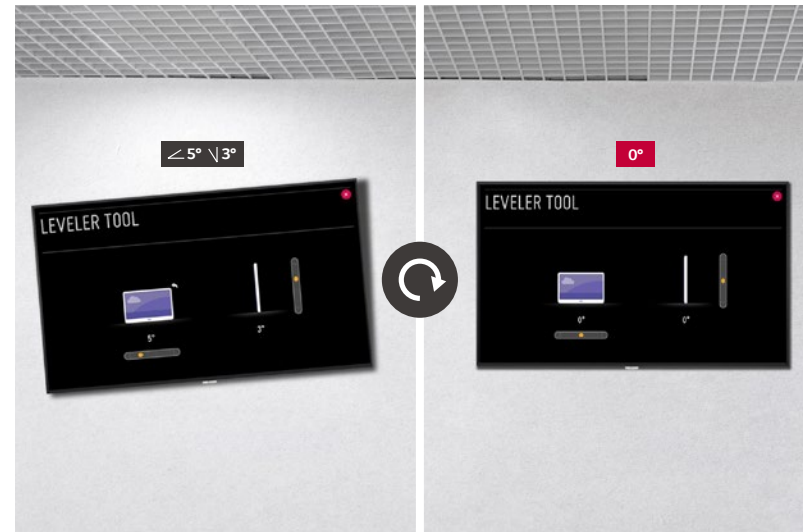
Remote Monitoring

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.
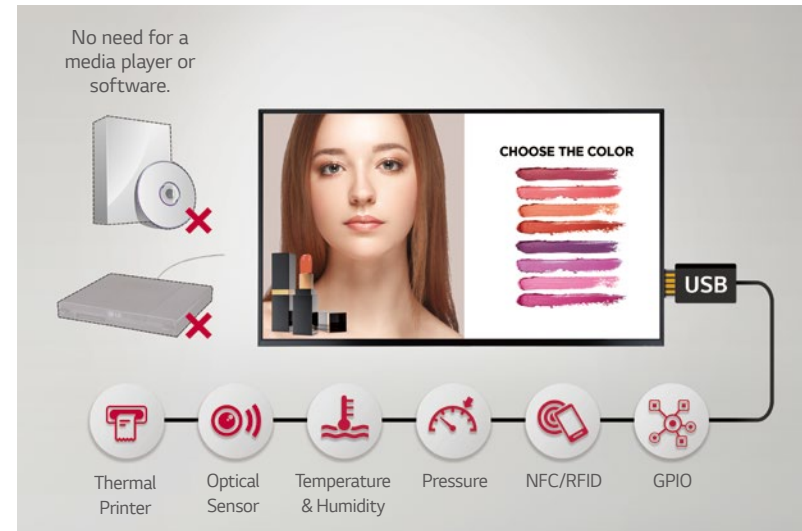
SMART FUNCTION

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

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.

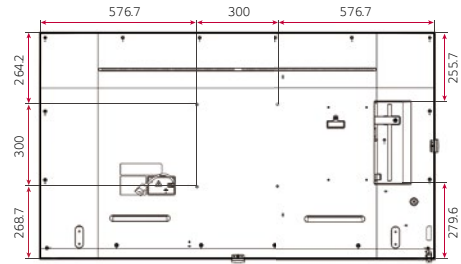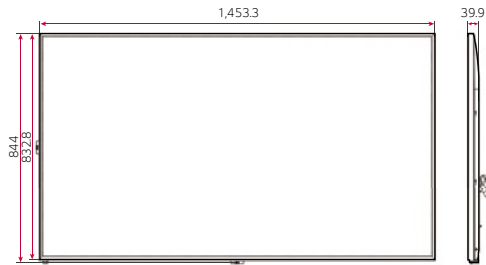## Compatibility with Video Conference System

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.
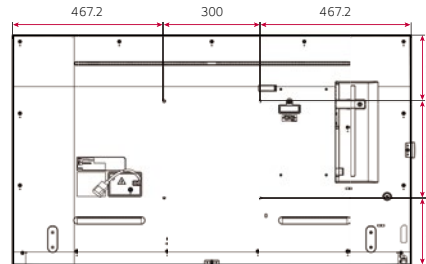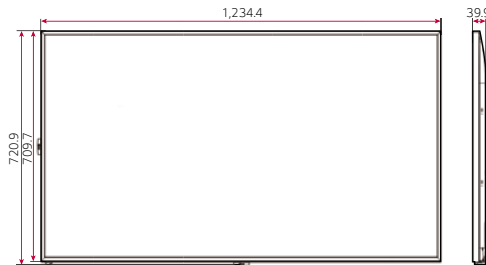

* Network based control

* Using an HDMI cable connection

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
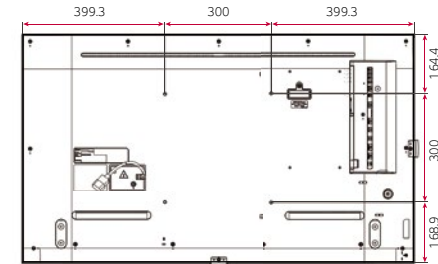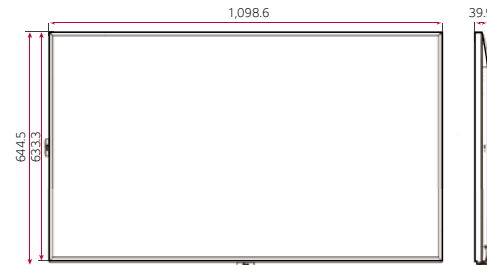
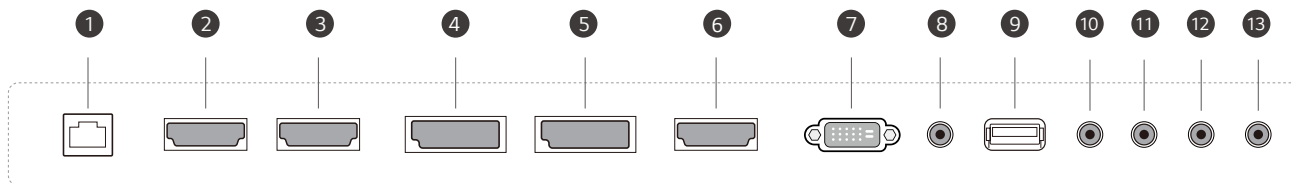## CONNECTIVITY

65" | 55" | 49"

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

* Dimensions & Jack Panels (Read/Side) may differ from the above image, so please contact LG salesteam to verify before ordering.

		65UH7F	55UH7F	49UH7F
Panel	Screen Size	65"	55"	49"
	Panel Technology	IPS	IPS	IPS
	Aspect Ratio	16 : 9	16 : 9	16 : 9
	Native Resolution	3,840 x 2,160 (UHD, RGB)	3,840 x 2,160 (UHD, RGB)	3,840 x 2,160 (UHD, RGB)
	Brightness (Typ.)	700 cd/m²	700 cd/m²	700 cd/m²
	Contrast Ratio	1,100:1	1,100:1	1,100:1
	Viewing Angle (H x V)	178 x 178	178 x 178	178 x 178
	Response Time	8ms (G to G)	8ms (G to G)	8ms (G to G)
	Surface Treatment (Haze)	Haze 3%	Haze 3%	Haze 3%
	Life Time (Typ.)	50,000 Hrs	50,000 Hrs	50,000 Hrs
	Operation Hours	24 Hrs	24 Hrs	24 Hrs
	Orientation	Portrait & Landscape	Portrait & Landscape	Portrait & Landscape
Connectivity	Input	HDMI (3), DP, DVI-D, Audio, USB 2.0		
	Output	DP, Audio (Off/Fixed/Variable),		
	External Control	RS232C In/Out, RJ45 (LAN) In, IR In		
Mechanical Specification	Bezel Color	Black	Black	Black
	Bezel Width	9.9mm(T/R/L), 14.4mm(B)	9.9mm(T/R/L), 14.4mm(B)	9.9mm(T/R/L), 14.4mm(B)
	Monitor Dimension (W x H x D)	1,453.3mm x 844mm x 39.9mm	1,234.4mm x 720.9mm x 39.9mm	1,098.6mm x 644.5mm x 39.9mm
	Weight (Head)	28.2 kg	19.0 kg	15.4 kg
	Carton Dimensions (W x H x D)	1,600mm x 970mm x175mm	1,360mm x 810mm x 175mm	1,197mm x 740mm x 162mm
	Packed Weight	35.0 kg	24.2 kg	18.8 kg
	Handle	No	No	No
	VESA™ Standard Mount Interface	300 x 300	300 x 300	300 x 300
Key Feature		Internal Memory 8GB (System 4GB + Available 3.6GB), Built-in Wi-Fi, Built-in Speaker, Temperature Sensor, Auto Brightness Sensor, Acceleration Sensor, Local Key Operation, Embedded CMS (USB Auto Playback, Local Contents Scheduling, Group Manager), Fail over, Image Customization (Booting Logo, No Signal), Content Sync (RS232C, Local Network), PIP/PBP(4), Screen Share, Video Tag(4), Play via URL, OSD Rotation, Tile Mode Setting (Max. 15 x 15), Setting Data Cloning, Firmware Update by Network, SNMP 2.0, ISM Mode, Crestron Connected®[1], DPM, Smart Energy Saving, Wake on LAN, Beacon, HDMI-CEC[2], SI Server Setting		
Special Feature	Tilt (Facedown)[3]	Max. 30°	Max. 30°	Max. 30°
	IP Rating	IP5x	IP5x	IP5x
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	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz
	Power Type	Built-In Power	Built-In Power	Built-In Power
	Power Consumption — Typ. / Max.	130W / 180W	110W / 160W	100W / 145W
	Power Consumption — Smart Enegy Saving	100W	85W	75W
Certification	Safety	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1	IEC 60950-1 / EN 60950-1 / UL 60950-1
	EMC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC	FCC Class "A" / CE / KC
	ErP / Energy Star	Yes / Yes (Energy Star 7.0)	Yes / Yes (Energy Star 7.0)	Yes / Yes (Energy Star 7.0)
Media player Compatibility	OPS Type Compatible	Yes	Yes	Yes
	External Media Player Attachable	Yes	Yes	Yes
Software Compatibility	Content Management Software	SuperSign CMS	SuperSign CMS	SuperSign CMS
	Control and Monitoring Software	SuperSign Control/Control+	SuperSign Control/Control+	SuperSign Control/Control+
	Signage365Care	Yes	Yes	Yes
Accessories	Basic	Remote Controller, Power Cord, QSG, HDMI Cable, Regulation Book, Phone to RS232C Gender		
	Optional	Stand(ST-653T), Media Player, Wall Bracket(LSW350B), VESA Adapter(AM-B330S), OPS Kit(KT-OPSH)		

1) Network based control   2) Compatibility may differ by equipment   3) In conditions within 30℃ temperature, 50% humidity