# 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.
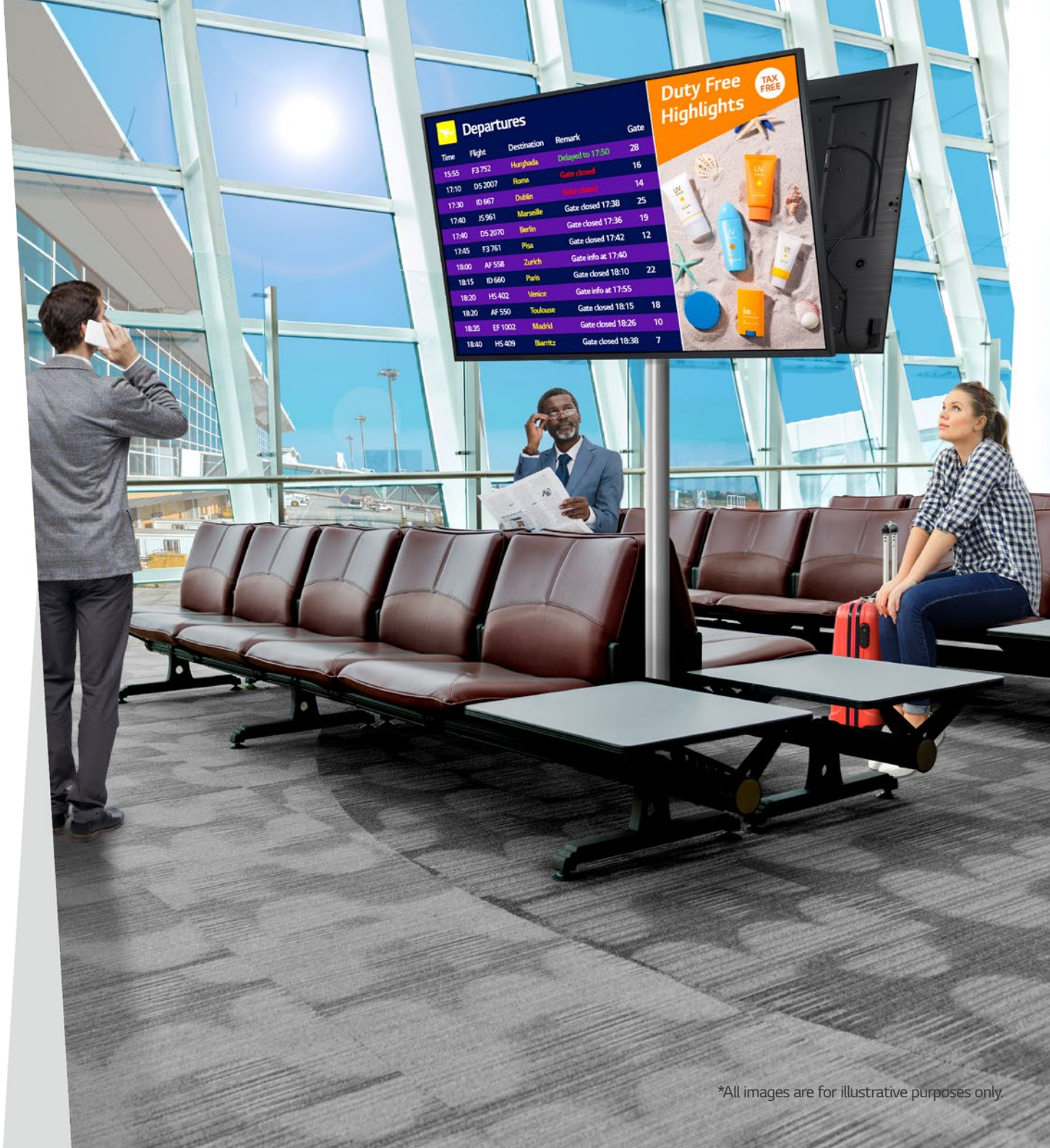
**4K UHD** Superb Picture Quality

Sleek and Practical Design

Product Reliability

Easy Installation

LG | Business Solutions

*All images are for illustrative purposes only.

# SUPERB PICTURE QUALITY
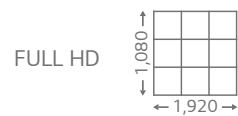
## ULTRA HD Resolution

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.
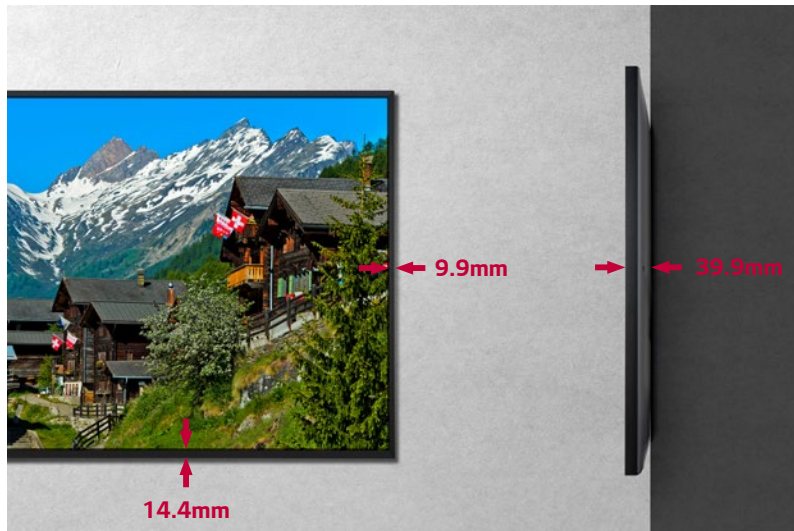


## Detachable Logo and Built-in Speaker

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.

# PRODUCT RELIABILITY

## 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

The UH7F series supports 30-degree installation* when placed at a high area, in consideration of the user's comfort for viewing.





Guarantee 30° Tilt

* Only supports the landscape installation

# 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.
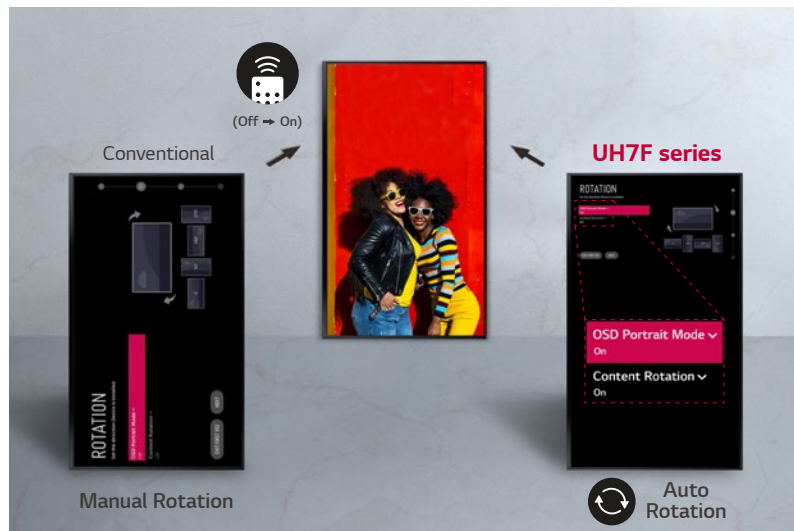


## Fine Adjustment

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
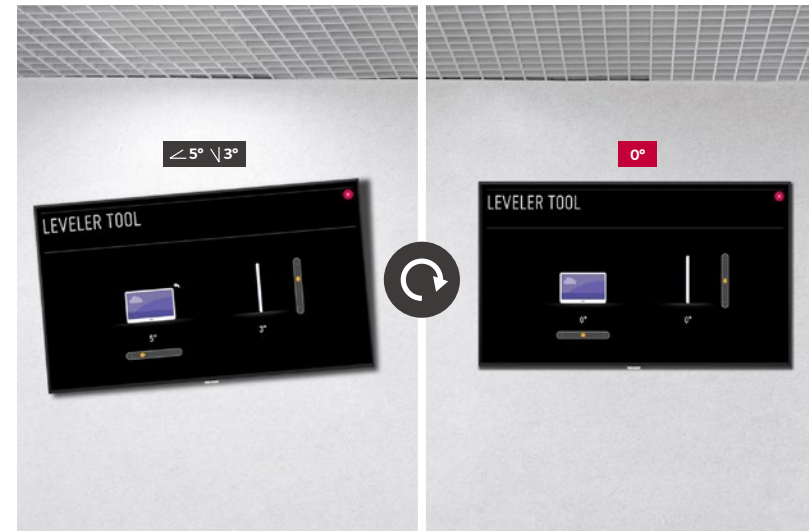
## Remote Monitoring

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.
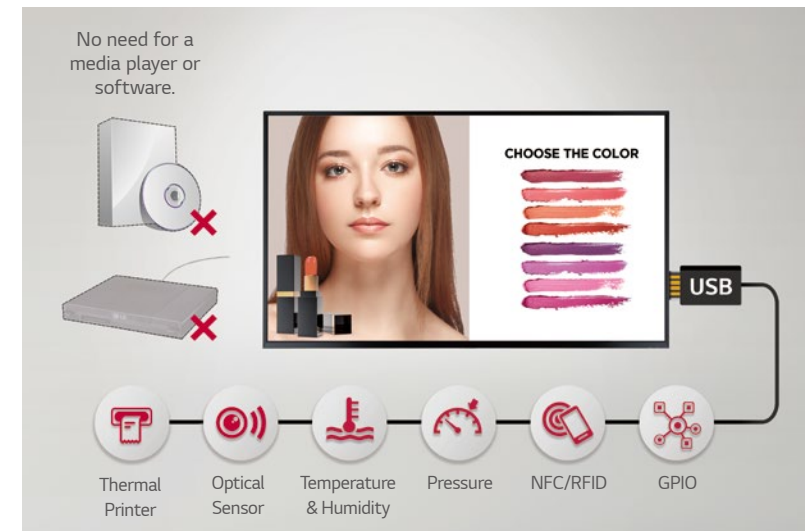
## High-Performance with webOS

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

## 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.
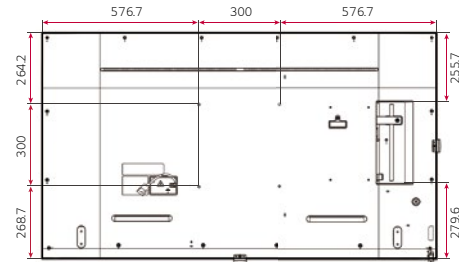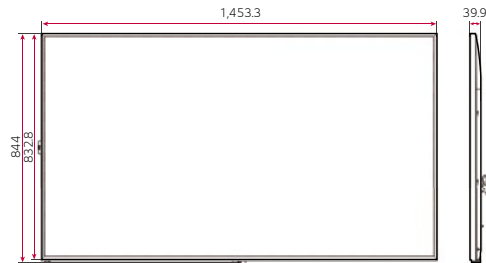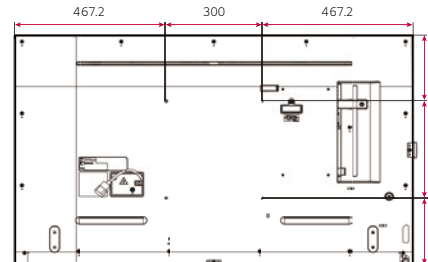


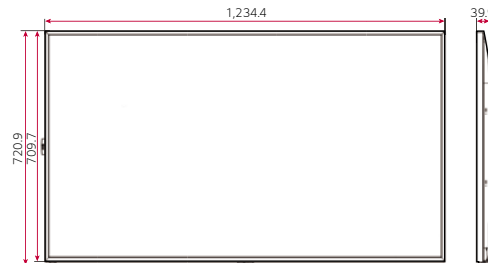* Using an HDMI cable connection

# 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 | 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 (Read/Side) may differ from the above image, so please contact LG salesteam to verify before ordering.

# SPECIFICATIONS

UHD Signage | UH7F Series

|  |  | 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 | 18.9 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 | 32.5 kg | 23.4 kg | 18 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 (Max) | +30° | +30° | +30° |
|  | IP Rating | IP5x | IP5x | IP5x |
| **Environmental Conditions** | Operation Temperature | 0°C to 40°C | 0°C to 40°C | 0°C to 40°C |
|  | 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

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