LG Business Solutions

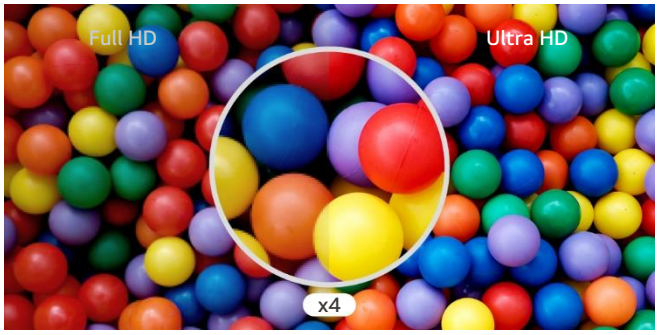
* All images in this datasheet are for illustrative purposes only.

UHD Signage UH7N-E

UHD Signage Display with LG webOS Platform and Advanced Security

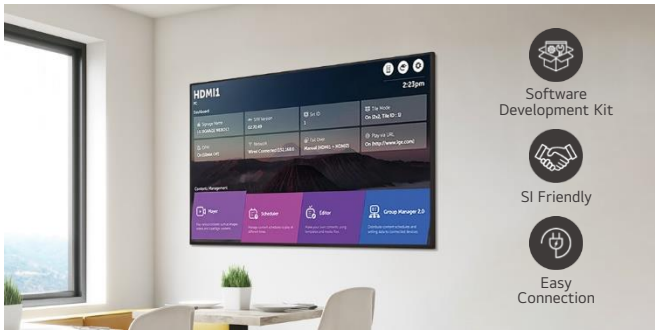
- Super High Resolution
- webOS Smart Platform
- Design for Space Utilization
- Enhanced Security

UH7N-E	
Screen Size	86" / 75" (To Be Updated) 65" / 55" / 49" / 43"
Screen Resolution	3,840 × 2,160 (UHD)
Brightness	700 nit (Typ.)
Surface Treatment (Haze)	65" / 55" / 49" : 28% 43" : 25%
Bezel Width	8.9 mm (T/R/L), 12.9 mm (B)



High Resolution Display

It offers a resolution that is four times higher than FHD, satisfying customers visually. Additionally, the anti-glare coating on the screen reduces screen reflection in bright lighting environments, increasing visibility and legibility, providing customers with a comfortable screen.



Convenient webOS Platform

The UH7N-E is equipped with a high-performance SoC that allows for multiple tasks to be performed without a separate media player. The webOS platform provides app development tools with an intuitive UI that enhances user convenience, enabling easy connection with external sensors and webOS partner apps to create an SI-friendly environment.

Durability that Provides Reliability

Optimized for business environments, the UH7N-E is guarded against the potential impact of salt, dust, iron powder and humidity through the implementation of conformal coating on the power board. Also, its customer-centric features, such as IP5x, 30-degree tilting and Shock Monitoring, provide both reliability and satisfaction.

Design for Space Utilization

Designed with thin bezels and simple cable management, the UH5N-E saves space. With specialized hidden power inlets, it can be installed close to the wall, leaving only about 13 mm of space with the slim bracket. Bezels accessories can also be used to convert it into an art frame, making it a stylish interior element that matches customers' interior spaces.

* The product image will differ slightly from the actual appearance of the product due to the variance caused by each inch option.
* Bezel accessories are sold separately at an additional cost.

* All images are for illustrative purposes only.

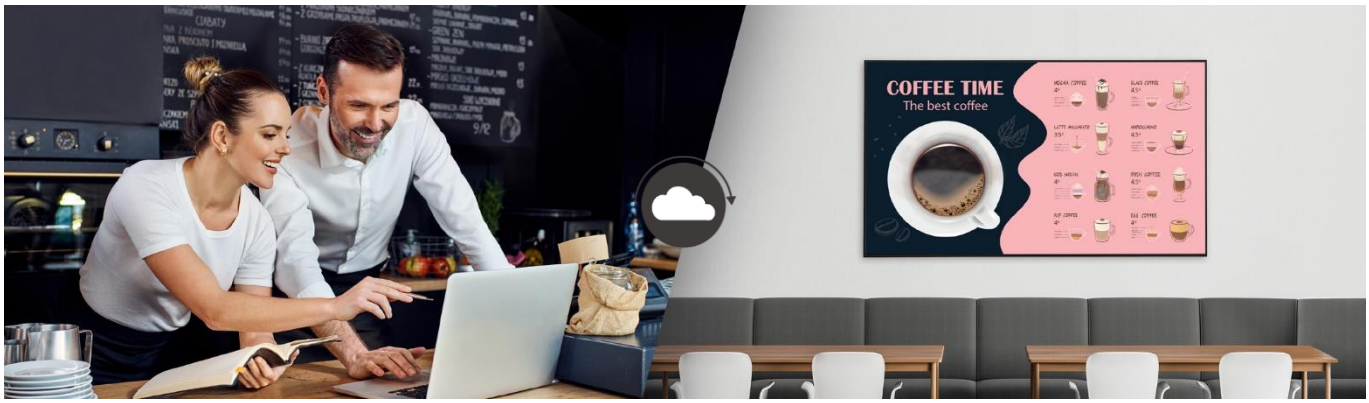
Enhanced Security Features

The UH7N-E provides security features, including LG's Enhanced Kernel Protection (EKP) technology, guarding important data from external access or attacks. LG UHD Signage also holds reliable certification in the field of information security, maintaining customers' data and businesses securely. For example, this model is ISO/IEC 15408 Common Criteria EAL2 Certified.

Sustainability

Recycled resins are used to manufacture back covers for digital signage product* and LG plans to expand this practice to other models as well. In addition, recycled cardboard was partially used to produce packaging materials, and the printing information on the packaging materials was written by only black ink.

* Digital signage product refers "UH7N-E" model



SuperSign Solutions

SuperSign is an integrated and intuitive content management solution for creative and organized digital signage content in your space, connecting customers to a range of services with convenient user experiences. There are a variety of versions such as SuperSign Cloud, so discover and enjoy the version that best fits you.

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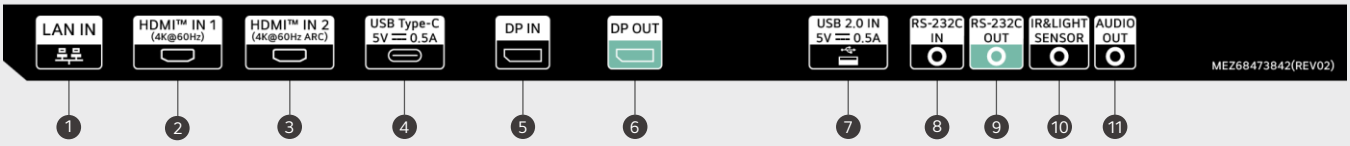
CONNECTIVITY

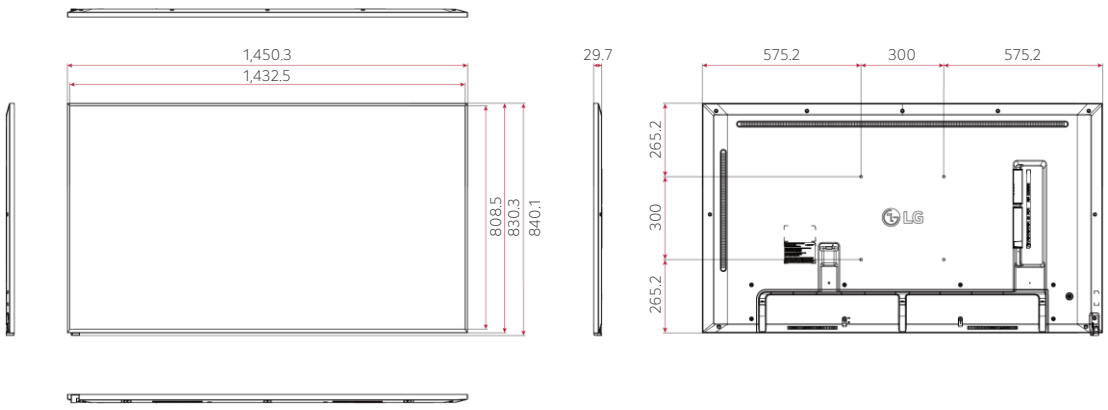
65" / 55" / 49" / 43"



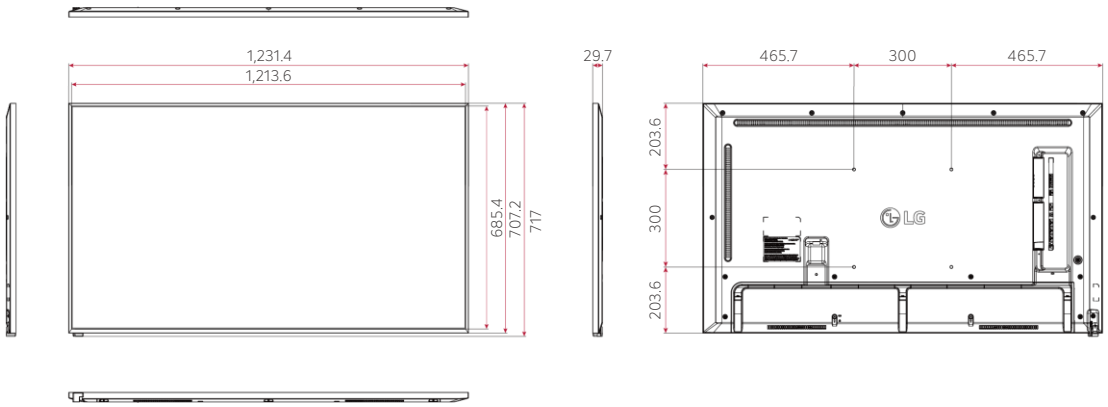
1. LAN IN
2. HDMI IN 1
3. HDMI IN 2
4. HDMI IN 3
5. DP IN
6. HDMI OUT
7. USB 2.0 IN
8. RS-232C IN
9. RS-232C OUT
10. IR&LIGHT SENSOR
11. AUDIO OUT

DIMENSION (unit: mm)

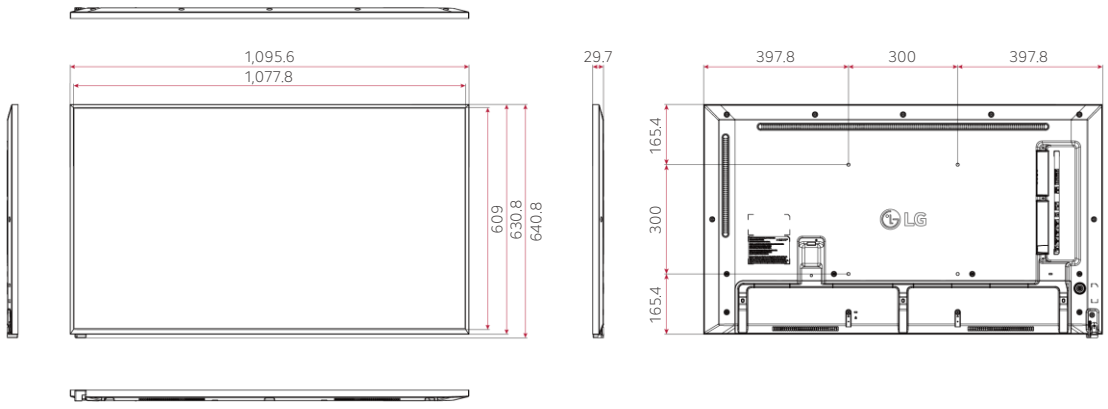
65"



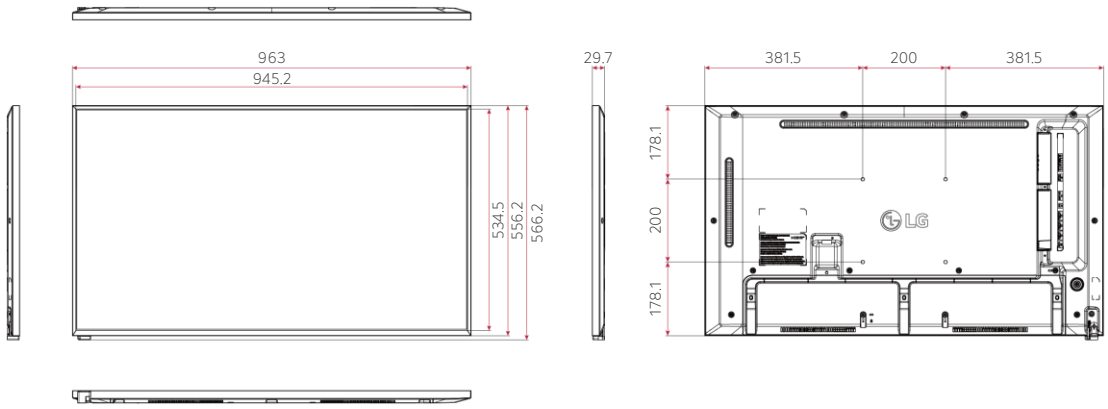
55"



49"



43"



SPECIFICATIONS

		65UH7N-E	55UH7N-E	49UH7N-E	43UH7N-E
Panel	Screen Size	65"	55"	49"	43"
	Panel Technology	IPS	IPS	IPS	IPS
	Back Light Type	Edge	Edge	Edge	Edge
	Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9
	Native Resolution	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)
	Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz
	Brightness	700 nit (Typ.)	700 nit (Typ.)	700 nit (Typ.)	700 nit (Typ.)
	Contrast Ratio	1,100 : 1	1,100 : 1	1,100 : 1	1,000 : 1
	Dynamic CR[1]	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1
	Color Gamut	BT709 95%	BT709 95%	BT709 95%	BT709 95%
	Viewing Angle (H × V)	178 × 178	178 × 178	178 × 178	178 × 178
	Color Depth	1.07 Billion Colors (10 bit (D))	1.07 Billion Colors (10 bit (D))	1.07 Billion Colors (10 bit (D))	1.07 Billion Colors (8 bit (D))
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Surface Treatment (Haze)	28%	28%	28%	25%
	Lifetime	50,000 Hrs (Min.)	50,000 Hrs (Min.)	50,000 Hrs (Min.)	50,000 Hrs (Min.)
	Operation Hours (Hours/Day)	24 / 7	24 / 7	24 / 7	24 / 7
	Portrait / Landscape	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Connectivity	Input	HDMI In (2, 3,840 × 2,160 @ 60 Hz, HDCP 2.2/1.4), DP In (3840 × 2,160 @ 60 Hz, HDCP 2.2/1.3), RS-232C In (4 Pin Phone-jack), RJ45 (LAN) In, IR In, USB In 2.0 ((Type A) (Type C, without PD function))			
	Output	DP Out (3,840 × 2,160 @ 60 Hz, Input (HDMI 1/2/DP/USB-C)), Audio Out, RS-232C Out (4 Pin Phone-jack), Daisy Chain (Input HDMI, DP, USB C / Output DP)			
Mechanical Specification	Bezel Color	Black	Black	Black	Black
	Bezel Width	8.9 mm (T/R/L), 12.9 mm (B)	8.9 mm (T/R/L), 12.9 mm (B)	8.9 mm (T/R/L), 12.9 mm (B)	8.9 mm (T/R/L), 12.9 mm (B)
	Weight (Head)	24.2 kg	16.1 kg	13.6 kg	11.1 kg
	Packed Weight	30.4 kg	20.5 kg	16.1 kg	12.8 kg
	Monitor Dimensions (W × H × D)	1,450.3 × 830.3 × 29.7 mm (Without IR)	1,231.4 × 707.2 × 29.7 mm (Without IR)	1,095.6 × 630.8 × 29.7 mm (Without IR)	963.0 × 556.2 × 29.7 mm (Without IR)
	Carton Dimensions (W × H × D)	1,600 × 970 × 172 mm	1,360 × 801 × 161 mm	1,215 × 736 × 152 mm	1,055 × 660 × 142 mm
	Handle	No	No	No	No
	VESA™ Standard Mount Interface	300 × 300 mm	300 × 300 mm	300 × 300 mm	200 × 200 mm
Key Feature	Internal Memory 16 GB, Built-in Wi-Fi / BT, Sensor (Temperature Sensor, Auto Brightness Sensor (External IR), Acceleration (Gyro) Sensor), Local Key Operation, Built-in Speaker (10W × 2), webOS 6.0, Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Image (Booting Logo Image, No Signal Image), Sync (RS-232C Sync, Local Network Sync), 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, 3rd Party Compatibility (Cisco Certification (TBD), Crestron Connected®[2]), Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, Beacon, HDMI-CEC[3], SI Server Setting, webRTC, Pro:Idiom				
Environment Conditions	Operation Temperature	0°C to 40°C	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%	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	AC 100-240 V ~, 50/60 Hz
	Power Type	Built-in Power	Built-in Power	Built-in Power	Built-in Power
Power Consumption	Typ. / Max.	145 W / 200 W	110 W / 160 W	90 W / 130 W	80 W / 120 W
	BTU (British Thermal Cabinet)	0 BTU/Hr (Typ.), 0 BTU/Hr (Max.)	0 BTU/Hr (Typ.), 0 BTU/Hr (Max.)	0 BTU/Hr (Typ.), 0 BTU/Hr (Max.)	0 BTU/Hr (Typ.), 0 BTU/Hr (Max.)
	Smart Energy Saving, ~70%	101.5 W	77 W	63 W	56 W
	DPM	0.5 W	0.5 W	0.5 W	0.5 W
	Power Off	0.5 W	0.5 W	0.5 W	0.5 W
Certification	Safety	CB / NRTL	CB / NRTL	CB / NRTL	CB / NRTL
	EMC	FCC Class "B" / CE / KC	FCC Class "B" / CE / KC	FCC Class "B" / CE / KC	FCC Class "B" / CE / KC
	ErP / Energy Star	Yes (NewErP) / Yes	Yes (NewErP) / Yes	Yes (NewErP) / Yes	Yes (NewErP) / Yes
	ePEAT (US only)	Yes	Yes	Yes	Yes
	ISTA6	Yes (~'23.9, US Suffix Only)	Yes (~'23.9, US Suffix Only)	Yes (~'23.9, US Suffix Only)	Yes (~'23.9, US Suffix Only)
	Carbon Trust	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))
OPS Compatibility	OPS Type Compatible	No	No	No	No
	OPS Power Built-in	No	No	No	No
Software Compatibility	SuperSign CMS, SuperSign Control / Control+, SuperSign WB, SuperSign Cloud, Mobile CMS, LG ConnectedCare[4]				
Language	English, French, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Türkiye, Arabic				
Accessory	Basic	Remote Controller, Power Cord, QSG, Regulation Book, Phone to RS-232C Gender, USB-C Cable, Cable Holder (2 ea), AC Cord Holder (1 ea)			
	Optional	Slim Wall Mount (WB21LM A/B), Normal Wall Mount (OLW480 A/B) Wall Mount Adapter (AM-B330S)	Slim Wall Mount (WB21LM A/B), Normal Wall Mount (OLW480 A/B) Wall Mount Adapter (AM-B330S)	Slim Wall Mount (WB21LM A/B), Normal Wall Mount (OLW480 A/B) Wall Mount Adapter (AM-B330S)	Slim Wall Mount (WB21LM A/B), Normal Wall Mount (LSW240 A/B) Wall Mount Adapter (AM-B220S)
Special Feature	Tilt (Face Down)	Yes (Max. 30° Degree, 40°C Temperature)			
	IP Rating	IP5X	IP5X	IP5X	IP5X
	Conformal Coating (Power Board)	Yes	Yes	Yes	Yes

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.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

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