



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

UHD Signage UH7N Series

UHD Signage Display with LG webOS Platform and Advanced Security



Super High Resolution



webOS Smart Platform



Design for Space Utilization



Enhanced Security

UH7N Series

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



High Brightness

The UH7N Series display, with a great brightness of up to 700 nits, clearly delivers content even in bright stores.



Eye-catching Large Screen

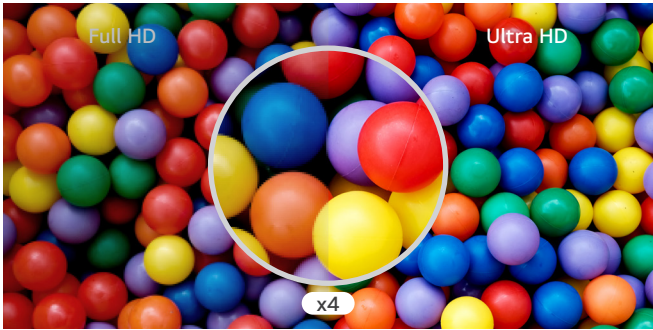
A large screen effectively captures people's attention. Especially, 86-inch model which supports 120Hz*, enabling smooth content operation.

* 75", 65", 55", 49", and 43" models support 60Hz



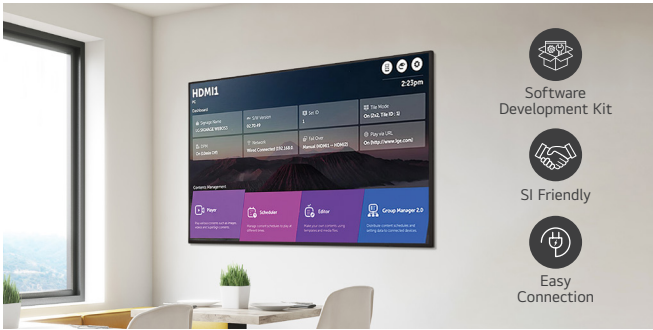
Versatile Operation with Multi-USB

With support for two USB ports, the UH7N series offers versatile usage options. For example, operating content on the screen while simultaneously using other connected devices is possible. This includes convenient tasks like downloading PPT files from external storage devices while using a mouse or keyboard during a meeting.



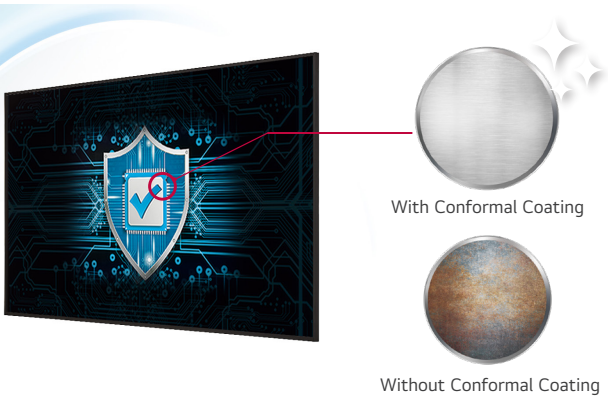
High Resolution Display

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 series 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 series provides dust protection, which helps guard against salt and iron particles, thanks to the conformal coating on the power board and its IP5X ingress protection rating. Also, its 30-degree tilt angle and shock monitoring provide both reliability and satisfaction.



Design for Space Utilization

Designed with thin bezels* and simple cable management, the UH7N series 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. Bezel accessories can also be used to convert it into an art frame, making it a stylish interior element that matches customers' interior spaces.

* Product image may vary slightly from actual appearance due to variance with each inch option, and bezel accessories are sold separately at an additional cost.



Enhanced Security Features

The UH7N series 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.

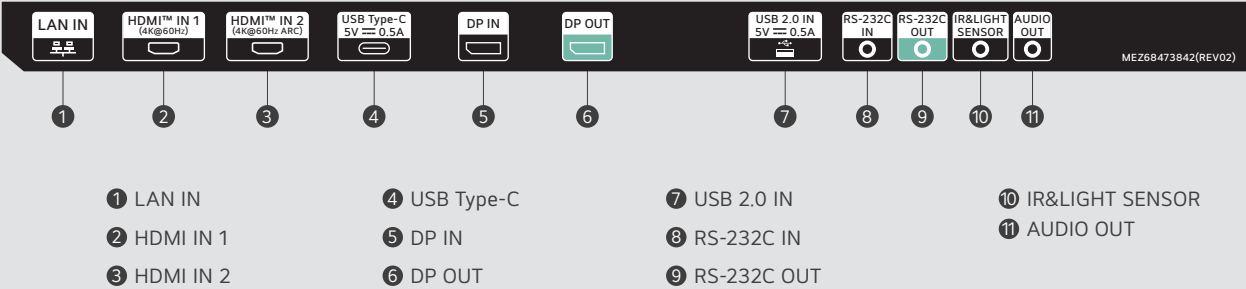


SuperSign Solutions

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.

CONNECTIVITY

86" / 75" / 65" / 55" / 49" / 43"



SPECIFICATIONS

UH7N Series

		86UH7N-M	75UH7N-M	65UH7N-E	55UH7N-E	49UH7N-E	43UH7N-E
Panel	Screen Size (Inch)	86"	75"	65"	55"	49"	43"
	Panel Technology	ADS	ADS	IPS	IPS	IPS	IPS
	Back Light Type	Edge	Edge	Edge	Edge	Edge	Edge
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9
	Native Resolution	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
	Refresh Rate	120Hz	60Hz	60Hz	60Hz	60Hz	60Hz
	Brightness	700nit (Typ.)	700nit (Typ.)	700nit (Typ.)	700nit (Typ.)	700nit (Typ.)	700nit (Typ.)
	Contrast Ratio	1,200:1	1,200:1	1,100:1	1,200:1	1,100:1	1,000:1
	Dynamic CR	1,000,000:1	1,000,000:1	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%	BT709 95%	BT709 95%
	Viewing Angle (H x V)	178 x 178	178 x 178	178 X 178	178 X 178	178 x 178	178 X 178
	Color Depth (Number of Colors)	1.07 Billion Colors (8 bit (D))	1.07 Billion Colors (8 bit (D))	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 (10 bit (D))
	Response Time	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Surface Treatment (Haze)	25%	25%	28%	28%	28%	28%
	Lifetime	Up to 50,000 Hrs	Up to 50,000 Hrs	Up to 50,000 Hrs	Up to 50,000 Hrs	Up to 50,000 Hrs	Up to 50,000 Hrs
Connectivity	Operation Hours (Hours/Day)	24/7	24/7	24/7	24/7	24/7	24/7
	Portrait / Landscape	Yes/Yes	Yes/Yes	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	Black	Black
	Bezel Width	13.4mm (Even)	12.9mm (Even)	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)	116.8 lbs. / 53.0 kg	78.7 lbs. / 35.7 kg	53.4 lbs. / 24.2 kg	35.5 lbs. / 16.1 kg	29.9 lbs. / 13.6 kg	24.5 lbs. / 11.1 kg
	Packed Weight	147.1 lbs. / 66.7 kg	97 lbs. / 44 kg	67 lbs. / 30.4 kg	45.2 lbs. / 20.5 kg	35.5 lbs. / 16.1 kg	28.2 lbs. / 12.8 kg
	Monitor Dimensions (W x H x D)	75.9 x 43.3 x 1.1 in. 1,928.8 x 1,099.8 x 29.7 mm (without IR, Handle)	66.1 x 37.7 x 1.7 in. 1,679.5 x 958.7 x 29.7 mm (without IR, Handle)	57.1 x 32.7 x 1.7 in. 1,450.3 x 830.3 x 29.7 mm (Without IR)	47.8 x 27.8 x 1.2 in. 1,231.4 x 707.2 x 29.7 mm (Without IR)	43.1 x 24.8 x 1.2 in. 1,095.6 x 630.8 x 29.7 mm (Without IR)	37.9 x 21.9 x 1.2 in. 963.0 x 556.2 x 29.7 mm (Without IR)
	Carten Dimensions (W x H x D)	82.7 x 49.2 x 9.9 in. 2,100 x 1,250 x 253 mm	71.7 x 43.9 x 7.9 in. 1,820 x 1,115 x 200 mm	62.9 x 38.2 x 6.8 in. 1,600 x 970 x 172 mm	53.5 x 31.5 x 6.3 in. 1,360 x 801 x 161 mm	47.8 x 28.9 x 5.9 in. 1,215 x 736 x 152 mm	41.5 x 25.9 x 5.6 in. 1,055 x 660 x 142 mm
	Handle	Yes	Yes	No	No	No	No
	VESA™ Standard Mount Interface	600 x 400	600 x 400	300 x 300	300 x 300	300 x 300	200 x 200
Key Features	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™)), Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, Beacon, HDMI-CEC ³⁾ , SI Server Setting, webRTC, ProIdiom						
Environment Conditions	Operation Temperature	32°F to 104°F/ 0°C to 40°C	32°F to 104°F/ 0°C to 40°C	32°F to 104°F/ 0°C to 40°C	32°F to 104°F/ 0°C to 40°C	32°F to 104°F/ 0°C to 40°C	32°F to 104°F/ 0°C to 40°C
	Operation Humidity	10 % to 80 %	10 % to 80 %	10 % to 80 %	10 % to 80 %	10 % to 80 %	10 % to 80 %
Power	Power Supply	AC 100-240V~, 50/60Hz	AC 100-240V~, 50/60Hz	AC 100-240V~, 50/60Hz	AC 100-240V~, 50/60Hz	AC 100-240V~, 50/60Hz	AC 100-240V~, 50/60Hz
	Power Type	Built-In Power	Built-In Power	Built-In Power	Built-In Power	Built-In Power	Built-In Power
Power Consumption	Typ. / Max.	205 W / 297 W	160 W / 247 W	145 W / 200 W	110 W / 160 W	90 W / 130 W	80 W / 120 W
	BTU (British Thermal Cabinet)	699 BTU/Hr (Typ.), 1013 BTU/Hr (Max)	546 BTU/Hr (Typ.), 843 BTU/Hr (Max)	495 BTU/Hr (Typ.), 682 BTU/Hr (Max)	375 BTU/Hr (Typ.), 546 BTU/Hr (Max)	307 BTU/Hr (Typ.), 444 BTU/Hr (Max)	273 BTU/Hr (Typ.), 409 BTU/Hr (Max)
	Smart Energy Saving, ~70%	144 W	112 W	101.5 W	77 W	63 W	56 W
	DPM	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W
	Power Off	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W
Certification	Safety	CB / NRTL	CB / NRTL	CB / NRTL	CB / NRTL	CB / NRTL	CB / NRTL
	EMC	CB / NRTL	CB / NRTL	CB / NRTL	CB / NRTL	FCC Class "B" / CE / KC	FCC Class "B" / CE / KC
	ERP / Energy Star	N/A / Yes	N/A / Yes	Yes (NewErP) / Yes	Yes (NewErP) / Yes	Yes (NewErP) / Yes	Yes (NewErP) / Yes
	ePEAT (US only)	Yes	Yes	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)	Yes (~23.9, US Suffix Only)	Yes (~23.9, US Suffix Only)
OPS Compatibility	Carbon Trust	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))	Yes (CO2 Measured (TBD))
	OPS Type Compatible	No	No	No	No	No	No
Software Compatibility	OPS Power Built-in	No	No	No	No	No	No
	Software Compatibility	SuperSign CMS, SuperSign Control / Control+, SuperSign WB, SuperSign Cloud, Mobile CMS, LG ConnectedCare ⁴⁾					
Language	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	Wall Mount (LSW640A/B)	Wall Mount (LSW640A/B)	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 (OLW480 A/B) Wall Mount Adapter (AM-B330S)
Warranty & Other	Warranty	3 Year Limited					
	Tilt (Face Down)	Yes (Max. 30° Degree, 40°C Temperature)					
	IP Rating	IP5X	IP5X	IP5X	IP5X	IP5X	IP5X
Warranty & Other	Conformal Coating (Power Board)	Yes	Yes	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.

* Product lifespan will vary depending on usage. LG makes no warranties to this specification but rather defers to the limited warranty that accompanies the product.

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