





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


## UHD Signage UL3J-N


# LG webOS UHD Signage





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Superb Picture Quality with Ultra HD Resolution
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Sophisticated Slim Design
- 

High-performance with webOS 6.0
- 

Various Sensor Connection
- 

Compatible with **LG One:Quick Share**
- 

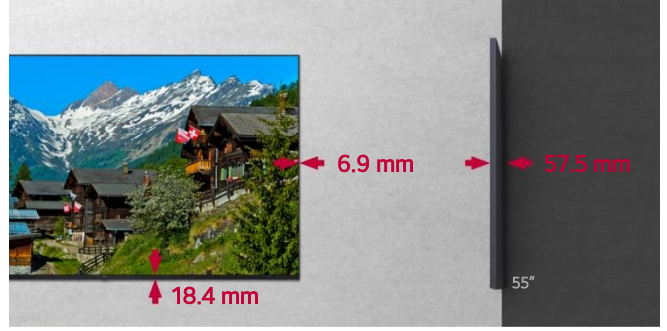
Compatible with AV Control Systems

| UL3J-N                    |   |
|---------------------------|---|
| Inch                      | 86" / 55" / 50" / 43"   |
| Screen Resolution         | 3,840 × 2,160 (UHD)   |
| Operation Time            | 16 Hours / 7 Days   |
| Brightness                | 86" : 330 nits (Typ.)   |
|                           | 55" / 50" : 400 nits  |
|                           | 43" : 300 nits  |
| LG Solution Compatibility | LG One:Quick Share, LG ConnectedCare, LG SuperSign CMS/Control+ |



## Superb Picture Quality with Ultra HD Resolution

With the resolution of UHD, it makes the color and details of the contents vivid and realistic. In addition, the wide viewing angle provides clear contents.



## Sophisticated Slim Design

This series is thin in 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.

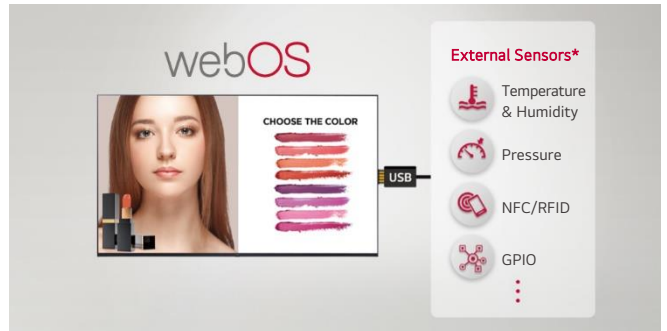
\* Compared to LG's UL3G series



## High-performance with LG webOS 6.0

LG webOS 6.0, upgraded in SoC\* and web engine, is available on UL3J series for a smooth execution of several tasks. LG webOS smart signage platform enhances user convenience with intuitive GUI.\*\*

\* SoC : System On Chip  
 \*\* GUI : Graphical User Interface



## Various Sensor Connection

LG webOS smart signage platform helps to easily provide value-added solutions\* by supporting simple connections with external sensors\*\* such as GPIO, NFC/RFID, temperature sensors, etc., via USB plug-in.

\* e.g. showing specific promotional information according to weather change to store visitors  
 \*\* External sensors need to be purchased separately and tested for compatibility with webOS platform.



## Compatible with AV Control Systems

The UL3J series supports Crestron Connected®\* for high compatibility with professional AV controls to achieve seamless integration and automated control\*\*, boosting business management efficiency.

\* Initial setting from display is required for Crestron Connected® compatibility.  
 \*\* Network based control

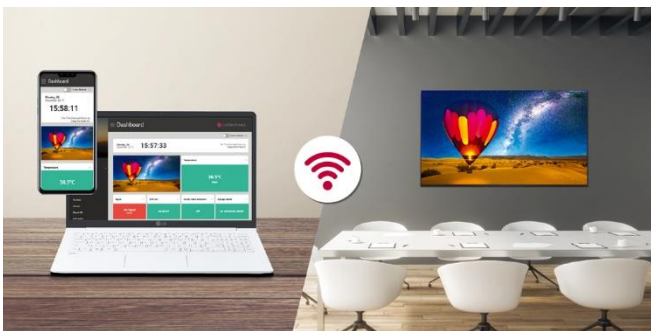




**LG's Wireless Screen Sharing Solution, LG One:Quick | Share**

LG One:Quick Share is a wireless screen sharing solution available through the UL3J series, USB transmission unit, and its app. You can simply share personal PC screen to the display with it's USB dongle button and embedded Wi-Fi\*, and can adjust the basic setting values (volume, picture mode, auto bright, etc.) of the connected display without a remote control. Also, the Office Meeting Mode\*\* helps you to display the agenda, note before the meeting starts.

\* Users need to set up SoftAP enabled at Network Menu of the Signage.  
 \*\* Users can enable Office Meeting Mode at EZ Setting Menu of the Signage.  
 \*\*\* LG One:Quick Share needs to be purchased separately.



**Remote Monitoring and Control**

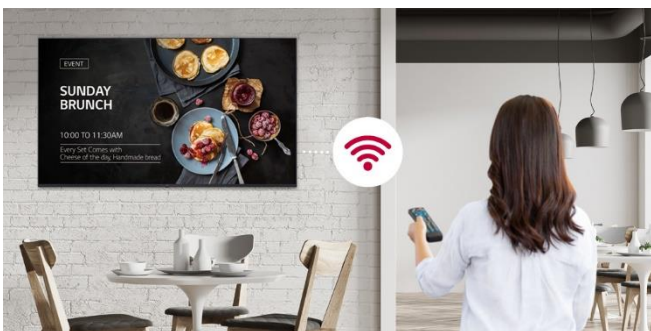
This web-based monitoring solution is user-friendly and allows the user to be at ease. It enables the user to have full access anywhere at anytime from their mobile phone & PC under network-accessible environment while having access to both current and past data. It allows the user to monitor the unit, make adjustments and control the unit remotely in real time.



**Compatible with Video Conference System**

For effective visual meeting, the UL3J series supports its compatibility with Cisco solutions that offers powerful and integrated control\* for a smarter video conference.

\* Using an HDMI cable connection (HDMI cable is optional)



**Easy Content Distribution & SW Update**

UL3J series features embedded Wi-Fi making it easy to distribute content wirelessly and update Firmware under the same network.



**Wireless Access Point**

UL3J series operates as a virtual router which can be an wireless access point for mobile devices.



### Built-in Speaker

Contents will be enriched with sound effects from built-in speakers, without the need for purchasing or installing external speakers.



### Real-time LG ConnectedCare Service

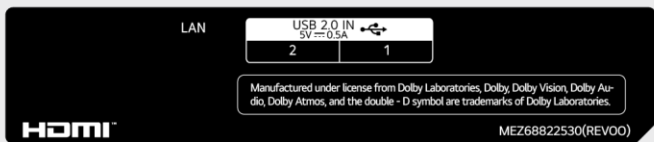
Maintenance is easy and fast with the optional LG ConnectedCare\* service, a cloud service solution provided by LG. It remotely manages the status of displays in client workplaces for fault diagnosis and remote-control services, supporting the stable operation of clients' businesses.

\* The availability of the 'LG ConnectedCare' service differs by region, and it needs to be purchased separately. So please contact the LG sales representative in your region for more details.

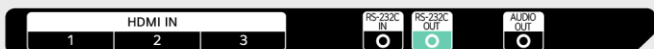
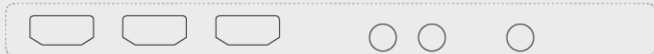
## CONNECTIVITY

86"

Rear

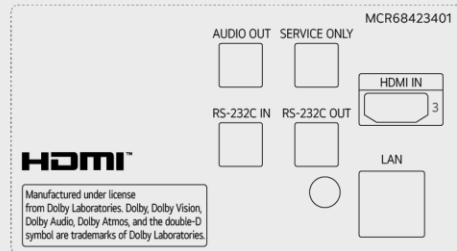


Side



55" / 50" / 43"

Rear



Side



|                             |  | 86UL3J-N   | 55UL3J-N   | 50UL3J-N   | 43UL3J-N   |
|-----------------------------|--|--|--|--|--|
| Panel                       | Screen Size  | 86"  | 55"  | 50"  | 43"  |
|                             | Panel Technology   | ADS  | ADS  | VA   | ADS  |
|                             | Back Light Type  | Direct   | Direct   | Direct   | Direct   |
|                             | 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   | 120 Hz   | 60 Hz  | 60 Hz  | 60 Hz  |
|                             | Brightness   | 330 nit (Typ.)   | 400 nit (Typ.)   | 400 nit (Typ.)   | 300 nit (Typ.)   |
|                             | Contrast Ratio   | 1,400 : 1  | 1,200 : 1  | 5,000 : 1  | 1,200 : 1  |
|                             | Dynamic CR   | 1,000,000 : 1  | 1,000,000 : 1  | 1,000,000 : 1  | 1,000,000 : 1  |
|                             | Color Gamut  | DCI 80%  | DCI 80%  | DCI 80%  | DCI 80%  |
|                             | Viewing Angle (H × V)  | 178 × 178  | 178 × 178  | 178 × 178  | 178 × 178  |
|                             | Color Depth  | 1.07 Billion Colors<br>(Advanced 8 bit + FRC)  | 1.07G (8 bits + FRC)   | 1.07G (8 bits + FRC)   | 1.07G (8 bits + FRC)   |
|                             | Response Time  | 5 ms (G to G)  | 8 ms (G to G)  | 6 ms (G to G)  | 8 ms (G to G)  |
|                             | Surface Treatment (Haze)   | 1%   | 1%   | 2%   | 1%   |
|                             | Lifetime   | 30,000 Hrs (Min.)  | 30,000 Hrs (Min.)  | 30,000 Hrs (Min.)  | 30,000 Hrs (Min.)  |
| Operation Hours (Hours/Day) | 16 / 7   | 16 / 7   | 16 / 7   | 16 / 7   |  |
| Portrait / Landscape        | No / Yes   | Yes / Yes  | Yes / Yes  | Yes / Yes  |  |
| Connectivity                | Input  | HDMI (3, HDCP 2.2/1.4), RS-232C In (4 Pin Phone-jack), RJ45 (LAN), USB 2.0 (2, Type A) |  |  |  |
|                             | Output   | Audio Out, RS-232C Out (4 Pin Phone-jack)  |  |  |  |
| Mechanical Specification    | Bezel Color  | Ashed Blue   | Ashed Blue   | Ashed Blue   | Ashed Blue   |
|                             | Bezel Width  | Off : 6.9 mm (T/R/L), 18.4 mm (B)<br>On : 15.9 mm (T/R/L), 19.9 mm (B)                 | Off : 6.9 mm (T/R/L), 18.4 mm (B)<br>On : 12.8 mm (T/R/L), 19.9 mm (B) | Off : 7.3 mm (T/R/L), 18.4 mm (B)<br>On : 12.8 mm (T/R/L), 19.9 mm (B) | Off : 6.9 mm (T/R/L), 18.4 mm (B)<br>On : 12.8 mm (T/R/L), 19.9 mm (B) |
|                             | Weight (Head)  | 45.2 kg  | 14 kg  | 11.7 kg  | 8.8 kg   |
|                             | Packed Weight  | 57.7 kg  | 18.8 kg  | 14.4 kg  | 10.9 kg  |
|                             | Monitor Dimension (W × H × D)  | 1,927 × 1,104 × 59.9 mm  | 1,235 × 715 × 57.5 mm  | 1,121 × 651 × 57.1 mm  | 967 × 564 × 57.1 mm  |
|                             | Carton Dimensions (W × H × D)<br>(Box Outer Size)  | 2,115 × 1,215 × 228 mm   | 1,360 × 810 × 162 mm   | 1,215 × 775 × 152 mm   | 1,055 × 660 × 142 mm   |
|                             | VESA™ Standard Mount Interface   | 600 × 400 mm   | 300 × 300 mm   | 200 × 200 mm   | 200 × 200 mm   |
| Key Feature                 | Internal Memory (eMMC) 16 GB (55"/50"/43"), Internal Memory 8 GB (86"), Built-in Wi-Fi, Sensor (Temperature Sensor, Auto Brightness Sensor), Local Key Operation (Power On/Off Only), webOS 6.0, 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), Screen Share, Video Tag (4, Max One HDMI Input), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (55"/50"/43"), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, 3 <sup>rd</sup> Party Compatibility (Cisco Certi. (TBD, ~ 23.7 (55"/50"/43")) (TBD, Oct- (86")), Crestron Connected (86"), Crestron Inside (55"/50"/43"), Power (Smart Energy Saving, PM Mode, Wake on LAN, Network Ready), Beacon, HDMI-CEC <sup>1)</sup> , SI Sever Setting, webRTC, ProIdiom |  |  |  |  |
| Environment Conditions      | Operation Temperature  | 0°C to 40°C<br>(Portrait Scene : 0°C to 30°C)  | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                          | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                          | 0°C to 40°C<br>(Portrait Scene : 0°C to 35°C)                          |
|                             | Operation Humidity   | 10% to 80%   | 10% to 80%   | 10% to 80%   | 10% to 80%   |
| Power                       | Power Supply   | AC 100-240V ~, 50/60 Hz  | AC 100-240 V ~, 50/60 Hz   | AC 100-240 V ~, 50/60 Hz   | AC 100-240 V ~, 50/60Hz  |
|                             | Power Type   | Built-in Power   | Built-in Power   | Built-in Power   | Built-in Power   |
| Power Consumption           | Typ. / Max.  | TBD W / TBD W  | 105 W / 160 W  | 90 W / 130 W   | 80 W / 120 W   |
|                             | BTU (British Thermal Unit)   | 751 BTU/Hr (Typ.),<br>1,024 BTU/Hr (Max.)  | 358 BTU/Hr (Typ.),<br>546 BTU/Hr (Max.)                                | 307 BTU/Hr (Typ.),<br>444 BTU/Hr (Max.)                                | 273 BTU/Hr (Typ.),<br>409 BTU/Hr (Max.)                                |
|                             | Smart Energy Saving (~70%)   | TBD W  | 73.5 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  |
| Sound                       | Speaker (Built-in)   | Yes  | Yes (10 W × 2)   | Yes (10 W × 2)   | Yes (10 W × 2)   |
| Certification               | Safety   | CB / NRTL  | CB   | CB   | CB   |
|                             | EMC  | FCC Class "A" / CE   | FCC Class "A" / CE   | FCC Class "A" / CE   | FCC Class "A" / CE   |
|                             | ErP / Energy Star  | Yes (OldErP for Jordan) / No   | Yes (OldErP for Jordan) / Yes  | Yes (OldErP for Jordan) / Yes  | Yes (OldErP for Jordan) / No   |
| Software Compatibility      | SuperSign CMS, SuperSign Control (86") / Control+, SuperSign WB, SuperSign Media Editor (86"), LG ConnectedCare <sup>2)</sup>  |  |  |  |  |
| Language                    | English, French, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Turkish, Arabic, Polski  |  |  |  |  |
| Accessory                   | Basic  | Remote Controller, Power Cord, Regulation Book, Phone to D-Sub9 Gender, Cable Holder   |  |  |  |
| Special Feature             | Conformal Coating (Power Board)  | No   | Yes  | Yes  | Yes  |

<sup>1)</sup> Compatibility may differ by equipment.

<sup>2)</sup> 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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