Clear Color Expression of UHD Content

An Ultra HD large display, the UL3G series will improve business productivity in any location. All content is delivered in vivid colors and with fine details, giving audiences a clearer viewing experience. Moreover, equipped with wireless solutions and high compatibility features, the UL3G series makes operation promotions or meetings easier and more efficient.
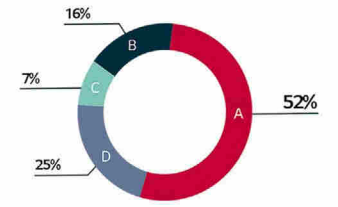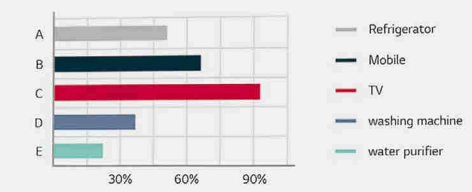
Superb Picture Quality

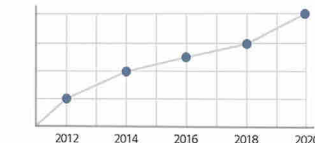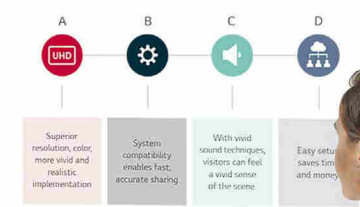**webOS Smart Platform**

Meeting Room Solution

Convenient Maintenance

LG **Business Solutions**

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
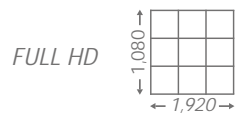
High Efficiency Video Coding

The UL3G series supports HEVC* which efficiently compresses/decompresses high-capacity UHD contents, playing ultra-high quality videos with half the network traffic than the existing H.264 codec.

H.264   HEVC

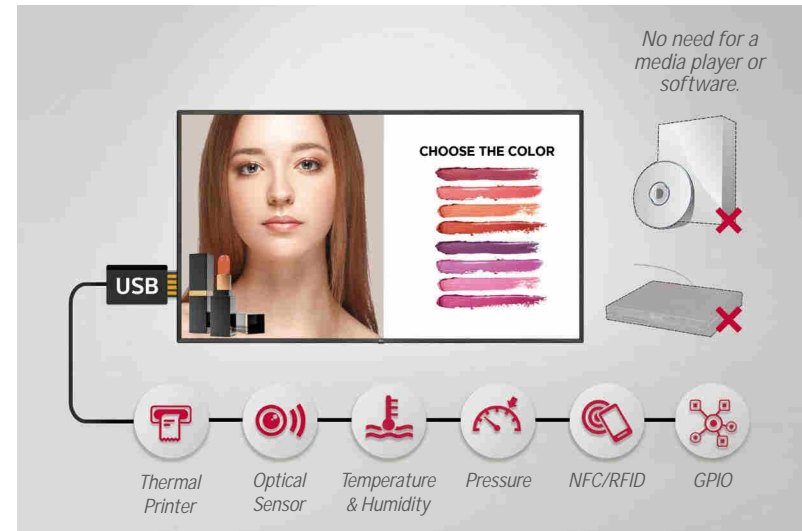** HEVC : High Efficiency Video Coding*

High Performance SoC 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 smart signage 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.

Thermal Printer

Optical Sensor

Temperature & Humidity

Pressure

NFC/RFID

GPIO

Content Sharing

Content Mirroring among devices is more convenient on a Wi-Fi network.

Real-time Promotion

With Beacon and BLE (Bluetooth Low Energy), shop managers can provide coupons and information in real-time.

Wireless Solution

The UL3G series operates as a virtual router which can be a wireless access point for mobile devices.

Compatibility with AV Control System

The UL3G 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 Conferencing System

The certification of compatibility between the UL3G series and Cisco System that offers powerful and integrated control* for video conference is in progress. It will promote the optimal visual meeting by eliminating a waste of time for setting up the picture quality or changing input on incoming calls.

* Using an HDMI cable connection

Remote Monitoring and Control

Through the Control Manager, the embedded web monitoring solution, you can control and monitor the status of multiple UL3G series displays in different locations in real-time. It is available on internet-connected devices, allowing you to flexibly and rapidly respond to emergency situations anywhere.
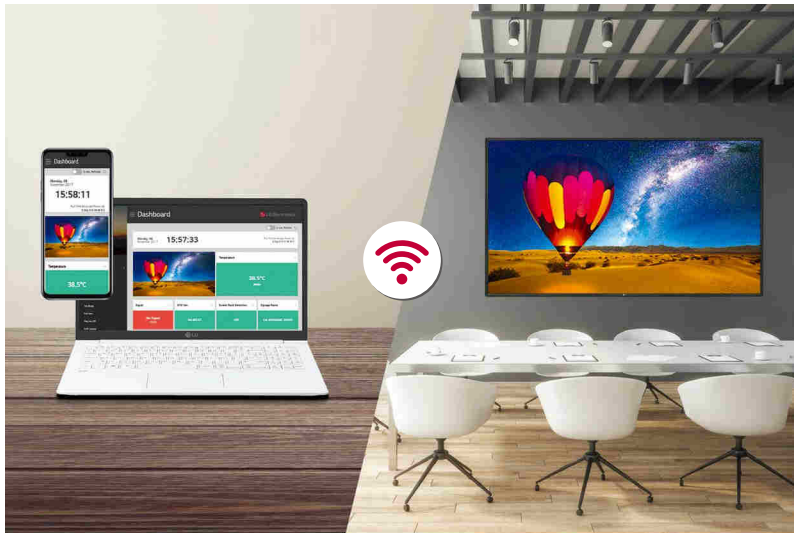
Real-time Care Service with LG Signage365Care

The maintenance gets easier and faster with an optional service Signage365Care*, a cloud service solution provided by LG service. It remotely manages status of displays in client workplaces for fault diagnosis and remote-control services, ensuring the stable operation of a client's business.

Repair

Signage 365Care

Status, Usage Data
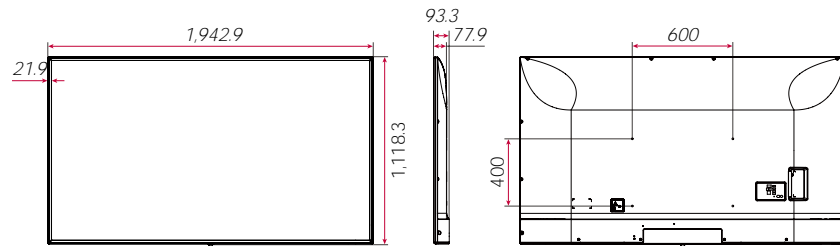
Monitoring / Fault Detection

* The availability of "Signage365Care" service can differ by region, so please contact the LG sales representative in your region for further details.
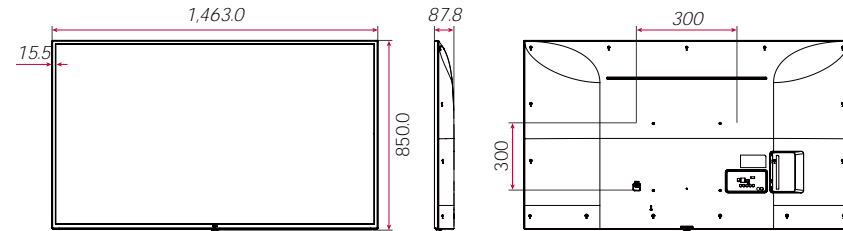
86"

1,942.9
93.3
77.9
600
21.9
1,118.3
400

65"

1,463.0
87.8
300
15.5
850.0
300

55"

1,244
87.1
300
15.5
726
300

43"

973
85
75.7
200
14.0
572
200

CONNECTIVITY

86" | 65" | 55" | 49"

MCR68393501

RS-232C IN   LAN

RS-232C OUT   HDMI IN 3

SERVICE ONLY   AUDIO OUT

HDMI IN 1   HDMI IN 2   USB 2.0 IN   USB 2.0 IN

MEZ66590598
(REV00)
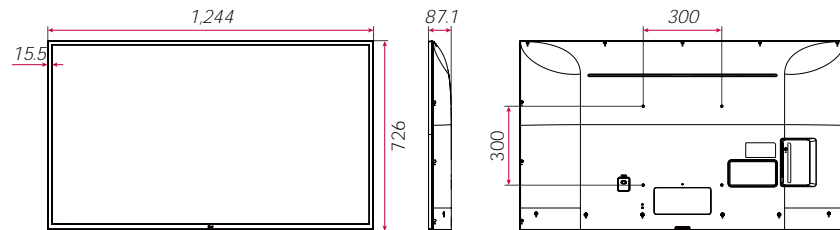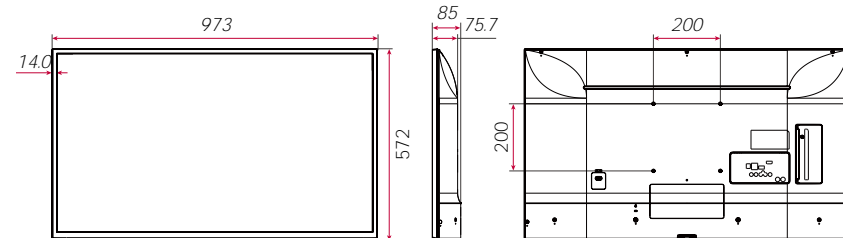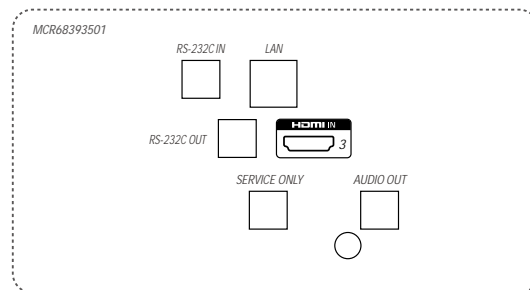
* Dimensions & Jack Panels may differ from the above image, so please contact LG sales team to verify before ordering.

		86UL3G	65UL3G	55UL3G	43UL3G
Panel	Screen Size	86"	65"	55"	43"
	Panel Technology	IPS	IPS	IPS	IPS
	Native Resolution	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	3,840 x 2,160 (UHD)
	Brightness (Typ.)	350 nit	400 nit	400 nit	300 nit
	Contrast Ratio	1,400 : 1	1,200 : 1	1,200 : 1	1,200 : 1
	Dynamic CR[1]	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1
	Color Gamut	DCI 82 %	DCI 80 %	DCI 80 %	DCI 80 %
	Viewing Angle (H × V)	178 × 178	178 × 178	178 × 178	178 x 178
	Color Depth	1.07 Billion Colors (10 bit)	1.07 G Colors (8 bit + FRC)	16.7 Million Colors (8 bit)	16.7 Million Colors (8 bit)
	Response Time	5 ms (G to G)	8 ms (G to G)	8 ms (G to G)	8 ms (G to G)
	Surface Treatment	Haze 3 %	Haze 1 %	Haze 1 %	Haze 1 %
	Operation Hours (Hours / Day)	16 / 7	16 / 7	16 / 7	16 / 7
	Portrait / Landscape	No / Yes	No / Yes	No / Yes	No / Yes
Connectivity	Input	HDMI (3, HDCP 2.2 / 1.4), USB 2.0 Type A (2)	HDMI (3, HDCP 2.2 / 1.4), USB 2.0 Type A (2)	HDMI (3, HDCP 2.2 / 1.4), USB 2.0 Type A (2)	HDMI (3, HDCP 2.2 / 1.4), USB 2.0 Type A (2)
	Output	Audio	Audio	Audio	Audio
	External Control	RS232C In / Out (4 Pin Phone Jack), RJ45 (LAN) In	RS232C In / Out (4 Pin Phone Jack), RJ45 (LAN) In	RS232C In / Out (4 Pin Phone Jack), RJ45 (LAN) In	RS232C In / Out (4 Pin Phone Jack), RJ45 (LAN) In
Mechanical Specification	Bezel Color	Dark Meteo Titan	Ceramic Black	Ceramic Black	Ceramic Black
	Bezel Width	21.9 mm (Even Bezel)	15.5 mm (R/L/T) / 22.3 mm (B)	15.5 mm (R/L/T) / 22.3 mm (B)	14.0 mm (R/L/T) / 20.2 mm (B)
	Weight (Head)	44.2 kg	21.3 kg	14.3 kg	8.0 kg
	Monitor Dimensions (W × H × D)	1,943 x 1,118 x 77.9 mm (93.3 mm, w / speaker)	1,463 × 850 × 87.8 mm	1,244 × 726 × 87.1 mm	973 × 572 × 85.0 mm
	Monitor Dimensions with Stand (W × H × D)	1,943 x 1,188 x 345 mm	1,463 × 914 × 269 mm	1,244 × 786 × 231 mm	973 × 623 × 216 mm
	Handle	No	No	No	No
	VESA™ Standard Mount Interface	600 × 400 mm	300 × 300 mm	300 × 300 mm	200 × 200 mm
Key Feature		Internal Memory 8 GB, Built-In Wi-Fi, Temperature Sensor, Auto Brightness Sensor, Local Key Operation (Power On / Off Only), webOS 4.1, 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, Gapless Playback, Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, Crestron Connected®[2], Smart Energy Saving, PM Mode, Wake on LAN, 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.	240 W / 325 W	130 W / 185 W	105 W / 155 W	80 W / 115 W
	Power Consumption — BTU (British Thermal Unit)	819 BTU/Hr (Typ.), 1,109 BTU/Hr (Max.)	444 BTU/Hr (Typ.), 632 BTU/Hr (Max.)	359 BTU/Hr (Typ.), 529 BTU/Hr (Max.)	273 BTU/Hr (Typ.), 393 BTU/Hr (Max.)
Sound	Speaker	Yes	Yes	Yes	Yes
Certification	Safety	CB / UL (TBD)	CB / UL (TBD)	CB / UL (TBD)	CB / UL (TBD)
	EMC	FCC Class "A" / CE / KC (TBD)	FCC Class "A" / CE / KC (TBD)	FCC Class "A" / CE / KC (TBD)	FCC Class "A" / CE / KC (TBD)
	ErP	Yes	Yes	Yes	Yes
Software Compatibility		SuperSign CMS, SuperSign Control / Control+, SuperSign WB, SuperSign Media Editor, Signage365Care[4]			
Accessories	Basic	Remote Controller, Power Cord, Regulation Book, Phone to D-Sub9 Gender, Stand, Cable Holder			

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, so please contact LG sales team to verify before ordering.

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