



# DIGITAL SIGNAGE

INFORMATION DISPLAY AND SOLUTIONS

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Regd. Office: LG Electronics India Pvt. Ltd., A Wing (3rd Floor), D-3, District Center, Saket, New Delhi-110017      CIN No. U32107DL1997PTC220109



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## LEADING TECHNOLOGY

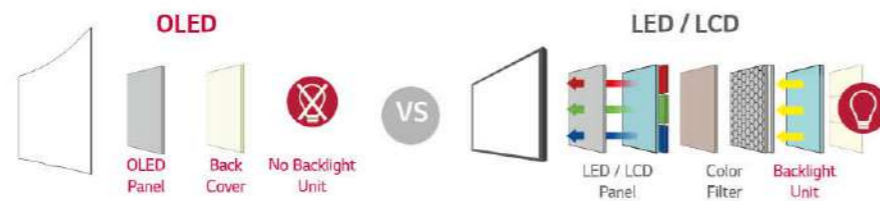
Take the next exciting leap into the future and change the way you inform your customers.

### TRULY STATE OF THE ART LG OLED SIGNAGE LG OLED

LG OLED is a new display technology that overcomes the limits of current displays in terms of picture quality and design.

	<b>Perfect Black</b> Pure black with self-lighting pixels.		<b>Perfect Color</b> Accurate, stable color reproduction.
	<b>Perfect Viewing Angle</b> No color distortion from any viewing angle.		<b>Perfect Design</b> Future displays with free form factors.

Key LG OLED technologies



### 86 58:9 ULTRA STRETCH



New experience with Ultra HD based on its unique 58:9 ratio.



### THE WORLD BEST CLASS VIDEO WALL



World's narrowest bezel display delivering stunning high picture quality in a seamless video wall.



\*Nemko (Nogerois Elektriske Materielkontrol) was established in 1933 as an institution for mandatory safety testing and national approval of electrical equipment to be marketed and sold in Norway. Since becoming an independent, self-owned foundation in 1991, it has provided worldwide testing and certification.



## BEYOND ORDINARY EXPERIENCE

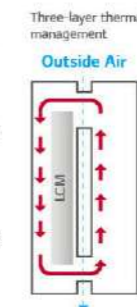
A fresh and innovative way to engage, inform and thrill your customers as never before.

### HIGH BRIGHTNESS ENCLOSURE WITH ADVANCED RELIABILITY

Enclosure signage boasts outstanding visibility and excellent reliability with clear picture quality and accurate information delivery even under extreme environmental changes.

#### Enhanced Thermal Management

- Environmentally sealed structure for waterproofing and protection against brake dust and fumes.
- Three-layer thermal management prevents heating from the LCD, Circuit / Power board and Solar loading.
- Totally self-contained and suitable for outdoor use without an air filter.



#### High Operating Temperature

The panel offers superb reliability under high operating temperatures and reduces cooling fan usage.



### SMART HYBRID COOLER WITH HYBRID VIEW

Clear transparent & True color expression to strengthen in-store promotion with LG Smart Hybrid Cooler.





## ADVANCED SOFTWARE SOLUTION

Meet our total solution designed for various customers' needs.

### LG webOS SMART SIGNAGE PLATFORM

Using advanced technology and an evolving platform, the system offers partners and customers a range of distinctive features.



#### Unmatched Interactive User Experience

A webOS smart signage platform supports dynamic interactive environments with multi-touch functions, BEACON mobile communication and sensor integration for user-oriented content.



#### Customizable Screen Layout and Media Formats

The webOS smart signage platform, perfectly geared to your intended use, enables users to display content on any sized screen layout, any multi media format and type.



#### Feeling Right at Home: Developer-friendly

The webOS smart signage is tailored to a range of commercial requirements and makes it easy to use the most common web-based programming languages while testing and debugging applications.



#### Lower Ownership Costs

An integrated webOS smart signage platform helps users save by reducing overall Total Cost of Ownership. This eliminates the need to purchase an external media player and removes the cost of onsite servicing and maintenance visits.

### SUPERSIGN OPTIMIZES CONTENT CREATION AND MANAGEMENT



#### Easy-to-control practical features

LG Digital Signage offers comprehensive technology solutions with the latest digital products and features tailored to the needs of commercial environments.



## SUPERIOR PICTURE QUALITY

Attract customers with our exceptionally high picture quality.

### REVOLUTIONARY IPS TECHNOLOGY



IPS is free from blackening defects and offers lifelike color and wide viewing angles.

#### Consistent response times for reduced eye strain and exact color matching with original images

The IPS\* panel has an extremely low response time standard deviation. This allows for smooth action scenes, greater clarity sports and vivid quality. Enjoy the same colors as the actual product. The IPS panel displays the color tone of the original image and a consistent color temperature.



Actual Image  
\*In-Plane Switching

IPS's Color Accuracy

#### Enjoy the Same Colors as the Actual Product in the Display

IPS Technology has better liquid crystal control, allowing viewing of the screen from virtually any angle.



178°

Wide Viewing Angle

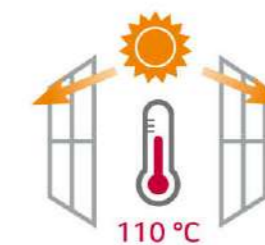
178°

#### High Brightness Reliability

Brightness decreases over time but LG's high brightness display sustains brightness levels for long periods. Even under direct sunlight, the IPS panel is free of blackening effects and provides superior quality for outdoor usage. This means power savings and no need for IR blockers or extra cooling systems. It also saves space, as no glass covers are needed for the monitors.



Conventional



110°C



LG



# Artistic Space Beyond Display

With cutting-edge OLED technology, LG Electronics introduces an innovative OLED Signage with perfect picture quality and a revolutionary pencil-thin design, adding artistic value to display functionality.



DUAL-VIEW FLAT



WALL-PAPER



OPEN-FRAME



OPEN-FRAME



## WHY OLED TECHNOLOGY

### Perfect Black

Limitless contrast and the deepest blacks  
Self-lighting pixels switch off completely to reproduce absolute blacks with no light bleed, offering infinite contrast.

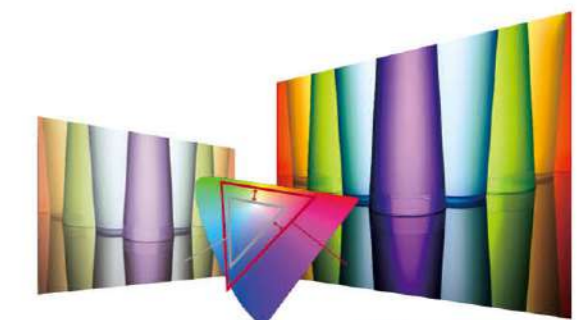


LCD

LG OLED Signage

### Perfect Color

Accurate and stable color reproduction  
Self-lighting pixels bring colors to life with superb accuracy.



LCD

LG OLED Signage

### Perfect Viewing Screen

Wide viewing angle  
LG OLED Signage delivers awe-inspiring picture quality across the entire screen, even from wide viewing angles.

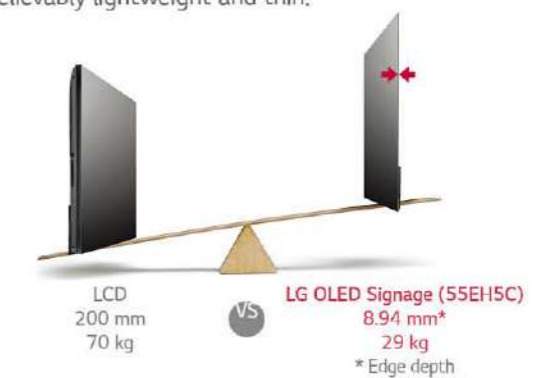


LCD

LG OLED Signage

### Perfect Design

Slim and light  
With just two layers, the LG OLED Signage Display is unbelievably lightweight and thin.





# Artistic Space Beyond Display

With cutting-edge OLED technology, LG Electronics introduces an innovative OLED Signage with perfect picture quality and a revolutionary pencil-thin design, adding artistic value to display functionality.

## 55 DUAL-VIEW FLAT OLED SIGNAGE EH5C

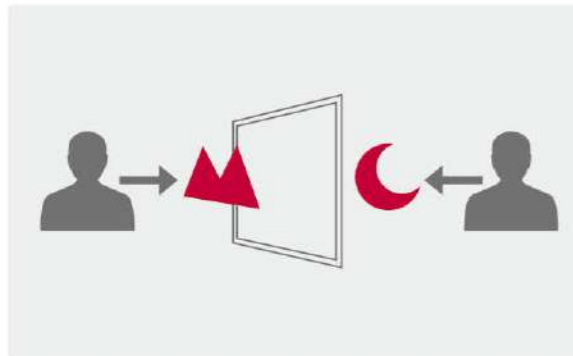
- Full HD: 1920 x 1080
- Brightness: 400 cd/m<sup>2</sup> (APL\* 25%)
- Bezel: 2 mm (Off-bezel)
- Dedicated Accessories for three Types of Installation

\*\* Accessory kits purchased separately.



### Two Multi-use Displays

Two-way media experience and space saving thanks to the innovative slim design.



### Three Types of Installation

Dedicated accessories available for ceiling, stand and wall mount.



## 55 WALL-PAPER OLED SIGNAGE EJ5C

- Full HD: 1920 x 1080
- Brightness: 400 cd/m<sup>2</sup> (APL\* 25%)
- Bezel: 1.2 mm (Off-bezel)

\*Average Picture Level

## 65 DUAL-VIEW CURVED TILING OLED SIGNAGE EE5PC

- Available in 1x2, 1x3, 1x4 model
- Ultra HD: 3840 x 2160
- Brightness: 450 cd/m<sup>2</sup> (APL\* 25%)
- Bezel to Bezel: 9.8 mm

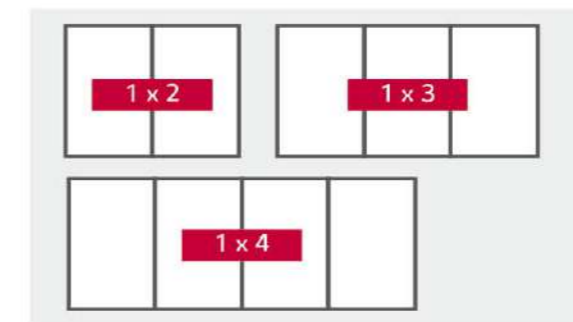
\* Each model has 3 order codes.

Please contact your sales representative for more information



### Modular Design

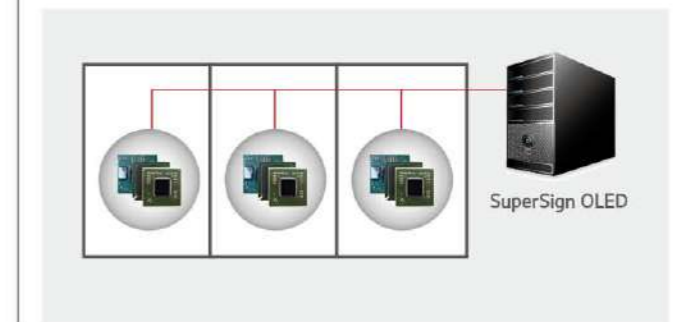
Modular design allows different layouts between 1x2 and 1x4 with the same design identity.



\* Accessories include stand cover, top/side/bottom deco, cables, IR receiver, etc.

### PC-less Playback

High performance SoC & high internal memory capacity (128 GB) enable perfect UHD-synced playback without the need for media players.



## 55 FIXED CURVE OPEN FRAME EF5C

- Minimum Curvature : Landscape ~2000R, Portrait ~1500R (In-curve & Out-curve)
- Full HD: 1920 x 1080
- Brightness: 400 cd/m<sup>2</sup> (APL\* 25%)
- Bezel: 7.2 mm (Off-bezel)

\* One product is composed of various order codes.

Please contact your sales representative for more information.

\* Contact your sales representative for available curvature models.

\*Average Picture Level



# Ultra Stretch for Dynamic Digital Content

A new experience with a 58:9 widescreen that can display dynamic content based on the user's installation environment.



## 86 ULTRA STRETCH SIGNAGE BH5C/BH7C

- Resolution: 3840 x 600
- Brightness: 500 cd/m<sup>2</sup> (86BH5C), 700 cd/m<sup>2</sup> (86BH7C)
- Multiple screen with PBP<sup>1)</sup> / PIP<sup>2)</sup>



### High Resolution with extra ordinary format (3840 x 600)

Ultra HD large screen delivers an immersive viewing experience.



Conventional

Ultra Stretch Signage

### 58:9 Extended Wide Format

Dynamic content is delivered on one screen thanks to a new 58:9 bar-type widescreen format.



Conventional (16:9)

Ultra Stretch Signage (58:9)

### 4 Divided PBP in Landscape or Portrait

The Picture-By-Picture (PBP) feature allows you to divide a screen into four parts in landscape or portrait installations.



Single Digital Pillar

Quad Digital Pillar

## ULTRA STRETCH PILLAR PL-S860/ PL-D860/ PL-F860

- Single Digital Pillar (WxHxAxB): 710 x 2329 x 357 x 151 mm
- Quad Digital Pillar (WxHxA): 800 x 2291 x 507 mm

1) PBP: Picture-By-Picture, 2) PIP: Picture-In-Picture



# Immersive Ultra HD Screen with Smart Platform



## 86 / 75 / 65 / 55 / 49 MULTIPLE SCREEN SPLIT ULTRA HD DISPLAY UH5C/75UM3C

- Ultra HD: 3840 x 2160
- Brightness: 500 cd/m<sup>2</sup> (UH5C), 350 cd/m<sup>2</sup> (75UM3C)
- Multiple screen with PBP<sup>1)</sup> / PIP<sup>2)</sup>
- 24/7 operation
- Beacon-ready, Soft AP, Mirroring

\* UM3C: 75 only



## 98 ULTRA HD PREMIUM LARGE DISPLAY LS95D

- Ultra HD: 3840 x 2160
- Brightness: 500 cd/m<sup>2</sup>
- 24/7 operation



## 84 ULTRA HD PREMIUM LARGE DISPLAY WS70MS/70BS

- Ultra HD: 3840 x 2160
- Brightness: 500 cd/m<sup>2</sup> (84WS70MS), 350 cd/m<sup>2</sup> (84WS70BS)
- 24/7 operation (84WS70MS), 16/7 operation (84WS70BS)

### Seamless Content Delivery on a Large Screen

Providing immersive, high-quality widescreen viewing on seamless 86 and 75 ultra large screens.



43 x 4

### Super High Resolution 3840 x 2160 (Ultra HD)

Ultra HD resolution offers a whole new level of picture quality, boasting picture definition four times higher than full HD.



### Multiple Screen with PBP or PIP

The PBP (Picture-By-Picture) and PIP (Picture-In-Picture) features offer four divided split screens in landscape and portrait formats.



PIP



PBP - Landscape



PBP - Portrait

1) PBP: Picture-By-Picture, 2) PIP: Picture-In-Picture



# World's Best Video Wall

LG's near-seamless video wall solutions make various display formats possible. They can be extended easily to maximize attention.



## 55 / 49 WORLD'S BEST VIDEO WALL 55VH7B/VM5B, 49VH7C/VM5C

- Full HD: 1920 x 1080
- Brightness: 700 cd/m<sup>2</sup> (VH7B/C), 500 cd/m<sup>2</sup> (VM5B/C)
- Panel bezel: 0.9 mm (L/R/T/B even bezel)
- \*Bezel to bezel: 1.8 mm / NEMKO certified
- 24/7 operation, LAN daisy chain
- Image gap reduction



## 49 SUPER NARROW 3.5 mm BEZEL VIDEO WALL VL5B

- Full HD: 1920 x 1080
- Brightness: 450 cd/m<sup>2</sup>
- Bezel to bezel: 3.5 mm
- 24/7 operation

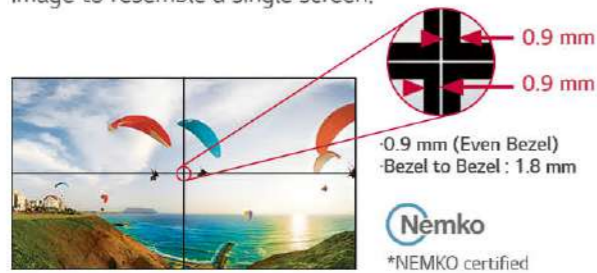


## 55 / 47 (47 LV35A only) SUPER NARROW 3.5 mm BEZEL VIDEO WALL LV77/75/35A

- Full HD: 1920 x 1080
- Brightness: 700 cd/m<sup>2</sup> (55LV77A),  
500 cd/m<sup>2</sup> (55LV75/35A),  
450 cd/m<sup>2</sup> (47LV35A)
- Bezel to bezel: 3.5 mm, 4.9 mm (47LV35A)
- 24/7 operation

### Narrowest Bezel

The narrowest bezel enables the overall video wall image to resemble a single screen.



### Uniform Brightness

LG's LED backlight technology guarantees high brightness uniformity to ensure a clear picture. On other screens, certain spots may appear darker than others, but the new VH/VM series generates high visibility and a consistent brightness across the whole screen.



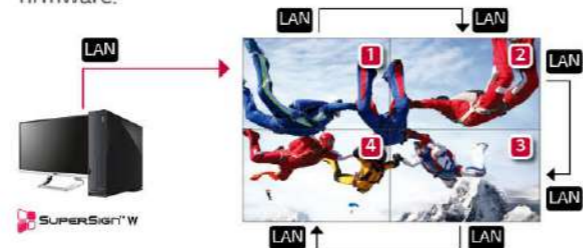
### Image Gap Reduction

The VH/VM series includes an image improvement algorithm that can adjust to objects located within the bezel boundary for a seamless viewing experience.



### LAN Daisy Chain Performance

A LAN daisy chain allows you to execute commands to control and monitor the screens and even update their firmware.





# A Wide Range of Standard Signage (22~65)

More potential buyers and visitors can be reached through LG's versatile displays.



55 / 49 / 42  
STANDARD PREMIUM DISPLAY WITH webOS  
**LS75C**

- Full HD: 1920 x 1080
- Brightness: 700 cd/m<sup>2</sup> (LS75C), 500 cd/m<sup>2</sup> (LS73C)
- 24/7 operation
- webOS 3.0
- Multiple screen with PBP<sup>1)</sup> / PIP<sup>2)</sup>

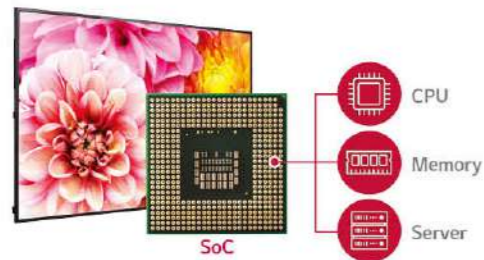


22  
STANDARD ESSENTIAL DISPLAY WITH webOS  
**22SM3B**

- Full HD: 1920 x 1080
- Brightness: 250 cd/m<sup>2</sup>
- webOS
- 18/7 operation, BEACON, SoftAP, Mirroring, Quad Core SoC

## Quad Core SoC\*

The High Performance SoC can execute several tasks at once and provides smooth content playback.



\*SoC : System-on-Chip

## webOS

The webOS platform provides easy and convenient tools to create content. LG's SDK\* and technical supports make content development and management easier.

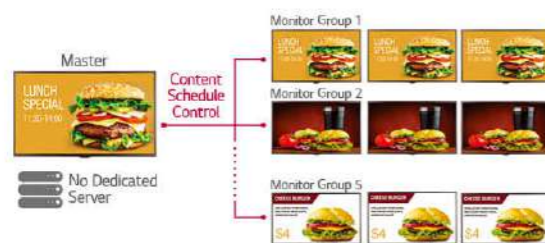


<http://developer.lge.com/webOSSignage>

\*Software Development Kit

## Group Manager

Content can be created, distributed and controlled by signage without a dedicated PC or server.



## PBP (Picture-By-Picture)/PIP (Picture-In-Picture)

PBP (Picture-By-Picture) and PIP (Picture-In-Picture) features enable you to compose various layouts for several digital devices.



65 / 55 / 49 / 43 / 32  
STANDARD PERFORMANCE DISPLAY WITH webOS  
**SM5KC**

- Full HD: 1920 x 1080
- Brightness: 450 cd/m<sup>2</sup>, 400 cd/m<sup>2</sup> (32)
- 24/7 operation
- webOS 3.0
- Multiple screen with PBP<sup>1)</sup> / PIP<sup>2)</sup>



65 / 55 / 49 / 43 / 32  
STANDARD ESSENTIAL DISPLAY  
**SE3KB**

- Full HD: 1920 x 1080
- Brightness: 400 cd/m<sup>2</sup> (65), 350 cd/m<sup>2</sup> (55, 49, 43, 32)
- 18/7 operation

1) PBP: Picture-By-Picture, 2) PIP: Picture-In-Picture



## Clear Transparency & True Color Expression

An IPS transparent panel display provides superb wide viewing angles and accurate colors, while creating enhanced clarity for effective advertising showcases.



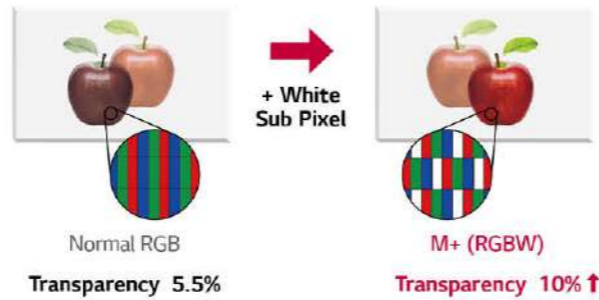
### 32 TRANSPARENT DISPLAY LW55A/WFC

- Full HD: 1920 x 1080
- 24/7 operation



#### Higher Transparency

The M+ (RGBW) panel enables greater transparency than conventional RGB panels to increase image visibility.



#### Open Frame & Landscape/Portrait Mode

Adapts to any customer's needs and its open frame enables design at an affordable price. It can be used in landscape or portrait mode.



### 55 / 49 TRANSPARENT DISPLAY WFB

- Full HD: 1920 x 1080
- Transparency rate: 10% (55), 9.5% (49)



# Outstanding Visibility with Advanced Reliability

With its excellent readability and color expression, LG's High Brightness is perfect for outdoors advertising.



## 75 / 55 ENHANCED BRIGHTNESS ENCLOSURE DISPLAY WITH webOS XE3C

- Enclosure
- Full HD: 1920 x 1080
- Brightness: 3,000 cd/m<sup>2</sup>
- Operating Temperature: -30°C to 50°C
- Dust & Humidity Protection Designed with IP56 Rating

### Increased Brightness

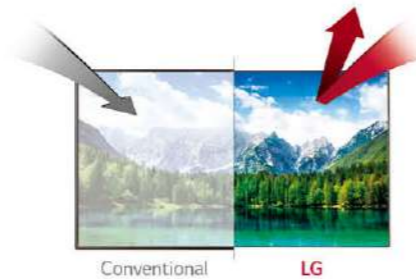
Brightness has been increased to 3,000 cd/m<sup>2</sup> making the XF3C the ultimate screen for outdoor visibility.



\*XE3C specification

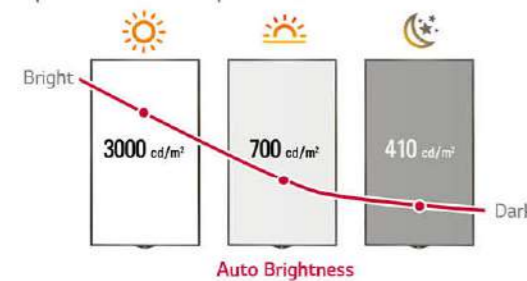
### Anti-reflection

Less interference between reflected external light and back light, thanks to anti-reflection coating.



### Smart Brightness Control

The auto-brightness sensor and preset time scheduler save power whenever possible.



\*XE3C specification

### Dust & Humidity Protection

The conformal coating enhances circuit board reliability by protecting it from dust, iron shavings, humidity and other harsh conditions.



## 75 / 55 ENHANCED BRIGHTNESS OPEN-FRAME DISPLAY WITH webOS XF3C

- Open-frame
- Ultra HD: 3840 x 2160 (75)
- Full HD: 1920 x 1080 (55)
- Brightness: 3,000 cd/m<sup>2</sup>
- Operating Temperature: 0°C to 50°C
- High resistance to blackening defect (Tni: 110°C)





# Overlay Touch and Multi-Touch Experience

LG's touch technology provides smooth, accurate 10-point multi-touch for your interactive needs.



## 84 ULTRA HD LARGE MULTI-TOUCH DISPLAY TR3B

- Ultra HD: 3840 x 2160
- Brightness: 350 cd/m<sup>2</sup> (typ)
- Bezel: 34 mm
- Built-in 10-Point Multi-Touch
- Ghost-free touch (IR Spread)



## 75 / 65 / 55 / 49 / 43 / 32 PERFECT FIT OVERLAY TOUCH KT-T Series

- 10-point multi-touch
- Compatible products
  - KT-T751 (75): UH5C, UM3C
  - KT-T651 (65): SE3KB, SM5KB/C
  - KT-T550 (55): SE3KB/C, SM3B/C, SL5B/C, SM5KB/C
  - KT-T490 (49): SE3KB/C, SM3B/C, SL5B/C, SM5KB/C
  - KT-T430 (43): SE3KB/C, SM3B/C, SL5B/C, SM5KB/C
  - KT-T320 (32): SE3KB/C, SM5KB/C

\*32SL5B is not compatible with touch overlay



### 10-Point Multi-Touch Experience

Offers a more realistic touch experience, recognizing up to 10 simultaneous touches without needing a separate pen.



2 - 6 Point Competitor

10 Point LG

### Ghost Free Multi-Touch Experience

Touch the screen for 'No Ghosting' writing and drawing, enabling clean, seamless navigation.



Ghosting

LG Ghost-free

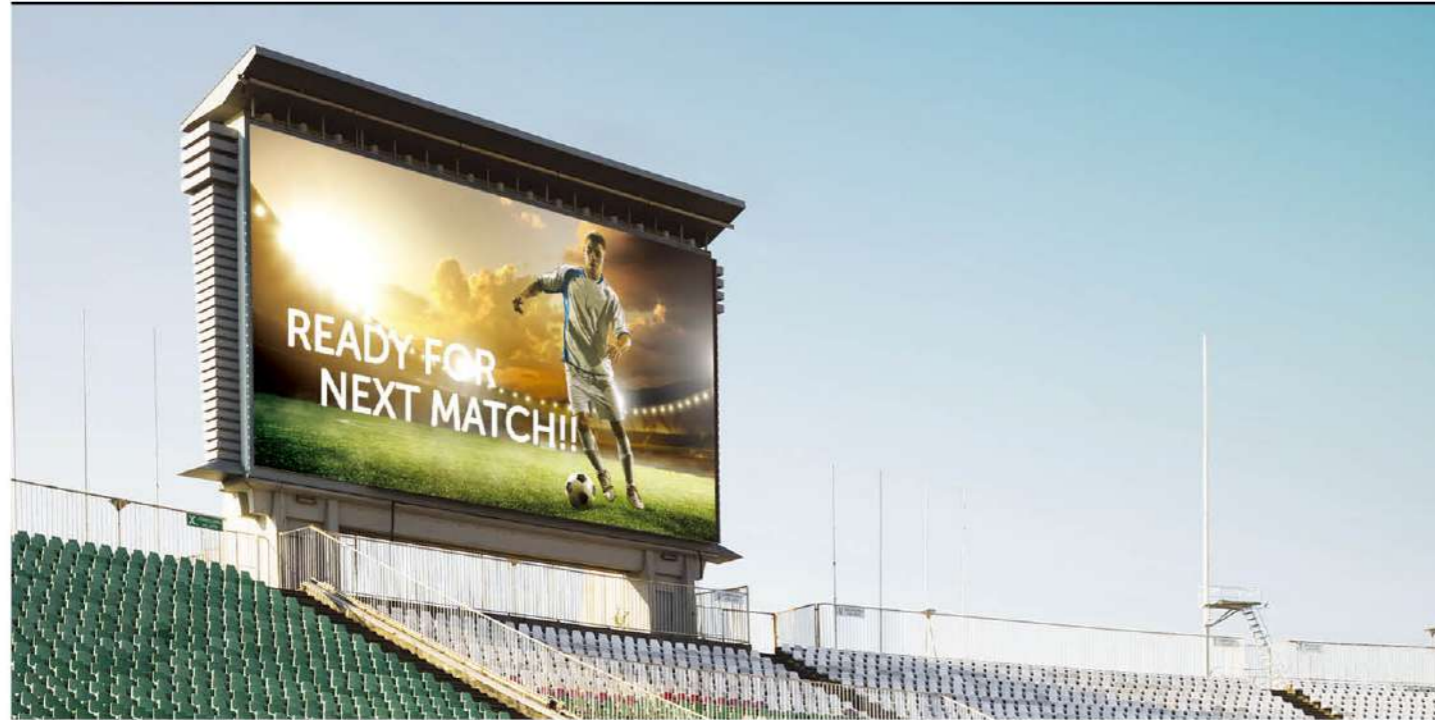
## 10 SMALL & TOUCH DISPLAY SM3TB

- HD: 1280 x 800
- Brightness: 400 cd/m<sup>2</sup>
- Bezel: 14 mm (Even bezel)
- Built-in touch
- 16/7 operation
- PoE (Power over Ethernet)



# Smart LED Signage

LG smart LED Signage maximizes advertising effectiveness by delivering rich, dynamic content in any environment.



## Color Processing

281 Trillion Colors with 16-bit Video Processing  
Providing Vivid Color (16Bit Color Process)



8bit

16bit

## Extended Lifetime

LG LED Indoor Signage is designed to last for over 100,000 hours, even under the hottest, coldest and wettest conditions.



## Diagnostic System

Intelligent Diagnosis for real-time monitoring.  
(Error status / Brightness / Upgrade)



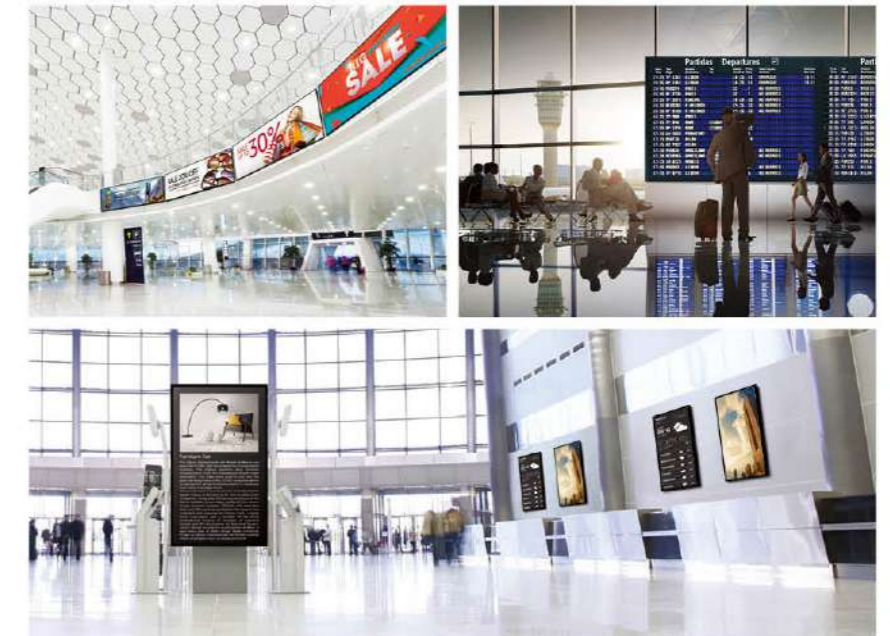
## Easy Mobile Operation

Content : Create image content and playlists  
Schedule : Set and modify content scheduling  
Distribution : Distribute content



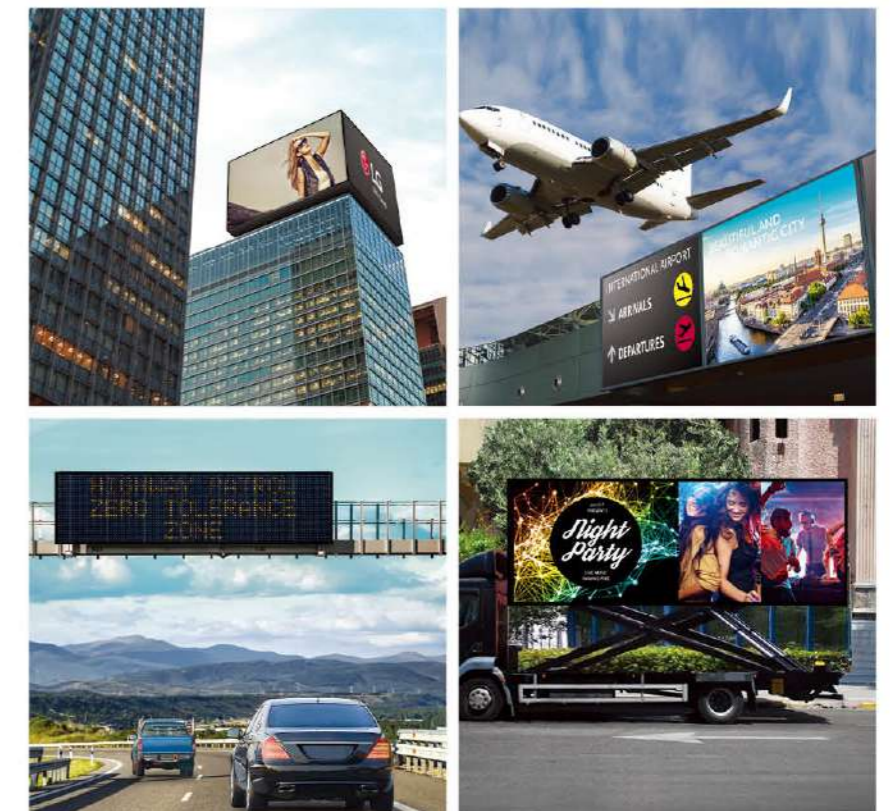
## INDOOR LED SIGNAGE LAS Series

Indoor signage must display a sharp image without distortion from a variety of angles, and should be operated simply and easily in order to effectively increase ad exposure.



## OUTDOOR LED SIGNAGE LBS Series

Enhanced waterproofing and a rigid structure, combined with high brightness and deep contrast make LG LED Outdoor Signage exceptional.





PREMIUM DOCKING-TYPE PLAYER

# MP700

- Intel Core i5-3610ME 2.7 GHz (Dual Core)  
Intel Core i7-3610QE 2.3 GHz (Quad Core)
- Mobile Intel QM77
- Windows Embedded Standard 7 Professional (64bit)
- Full HD x 4 or Ultra HD x 1
- Maximum Resolution 3840 x 2160 @ 30 Hz (DP)  
Maximum Resolution 1920 x 1080 @ 75 Hz (RGB)



PREMIUM DOCKING-TYPE PLAYER

# MP500-B

- Intel Core i5-520M Processor 2.40 GHz (Dual Core)
- Windows Embedded Standard, Windows7 Embedded
- Full HD x 2
- Maximum Resolution 2560 x 1600 @ 60 Hz (DP)  
Maximum Resolution 1920 x 1200 @ 60 Hz (HDMI)



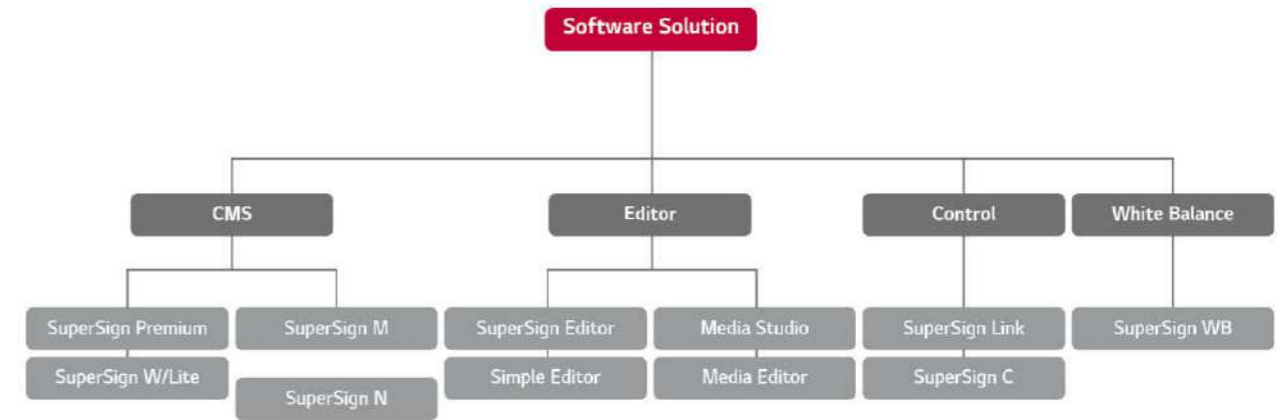
EXTERNAL FANLESS COMPETITIVE PLAYER

# MP500-F

- Intel Celeron Processor N2930 1.83GHz/ 2.16GHz (Burst) (Quad Core)
- Windows Embedded Standard 7 Professional (32bit)
- Full HD x 2
- Maximum Resolution 1920 x 1080 @ 60 Hz (DP)

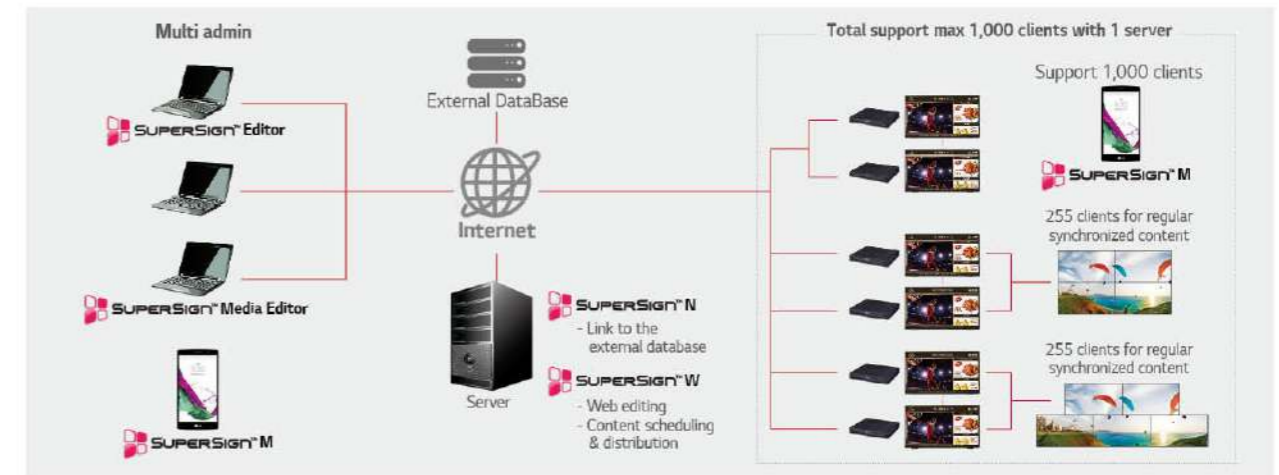


## SuperSign Overview



## SIGNAGE CONTENT MANAGEMENT SOFTWARE (CMS)

Signage Content Editing Software, with which you can easily create, schedule and distribute the content you want with various templates provided by SuperSign CMS.



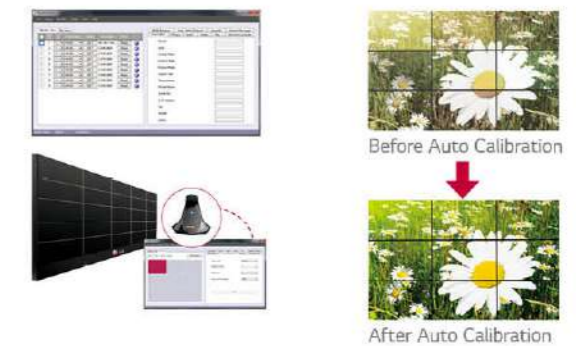
## Editor

- Signage Content Editing Software
- Create content and playlists, distribute through network or USB
  - Convert various codecs and containers for the LG Signage
  - Configure the desired layout with template



## Control & White Balance

Signage Management and White Balance Calibration Software  
SuperSign C enables remote control of multiple monitors via networks and RS232 serial. The Auto White Balance feature adjusts the video wall easily and intelligently for the optimum video wall solution.





SPECIFICATIONS

		OLED			
		55EH5C	65EE5PC	55EJ5C	55EF5C
Panel	Screen Size	55	65	55	55
	Panel Technology	OLED	OLED	OLED	OLED
	Aspect Ratio	16:9	16:9	16:9	16:9
	Native Resolution	1920 x 1080 (FHD)	3840 x 2160	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	100/400 cd/m <sup>2</sup> (APL* 100% / 25%)	140/450 cd/m <sup>2</sup> (APL* 100% / 25%)	100/400 cd/m <sup>2</sup> (APL* 100% / 25%)	100/400 cd/m <sup>2</sup> (APL* 100% / 25%)
	Contrast Ratio	100,000:1	100,000:1	100,000:1	100,000:1
	Viewing Angle (H x V)	178° x 178°	120° x 120°	178° x 178°	178° x 178°
Connectivity	Guaranteed Operating Hour	18 hrs / 7 days (moving video only)	12 hrs / 7 days (moving video only)	18 hrs / 7 days (moving video only)	18 hrs / 7 days (moving video only)
	Input	HDMI (1+1), DP (1+1), DVI-D (1+1)	HDMI	HDMI, DP	HDMI, DP
Connectivity	Output	Audio (1+1)	NA	DP, Audio	DP, Audio
	External Control	RS232C In/Out (1+1), RJ45 In (1+1), IR Receiver (Internal), USB 2.0 (1+1), USB 3.0 (1+1)	RS232C, RJ45, IR Receiver	RS232C In/Out, RJ45 In/Out, IR In/Out (W/ RS232C Out Port)	RS232C In/Out, RJ45 In/Out, IR In/Out (W/ RS232C Out Port)
Physical Specification	Bezel Width	2, 2, 2, 2 mm (T,B,L,R) *Off-bezel	15.0, 26.0, 13.2, 13.2 mm (T,B,L,R) *Off Bezel (Set Deco Bezel)	7.2, 10.3, 6.6, 6.6 mm (T,B,L,R, Panel Only) 1.2, 1.2, 1.2, 1.2 mm (Off Set Bezel) 9.3, 12.4, 8.7, 8.7 mm (On Set Bezel)	Off-bezel, T,B,L,R: 7.2 / 7.2 / 7.2 / 7.2 mm On-bezel, T,B,L,R: - 2000R Concave : 9.9 / 13 / 8.5 / 8.5 mm - 2000R Convex : 9.9 / 13 / 10.7 / 10.7 mm - 1500R Concave : 8.75 / 11.8 / 9.3 / 9.3 mm - 1500R Convex : 11 / 14.1 / 9.3 / 9.3 mm
	Monitor Dimension (W x H x D)	Head: 1,227.6 x 702.7 x 7.94 mm (Edge depth: 8.94 mm) Signage Box: 470.1 x 402.8 x 75 mm	(1x4 Model) Display: 3,123 x 2,120 x 8.54 mm (Module) *The depth of stand neck: 99.0 mm	Head: 1,227 x 702.1 x 3.65 mm, Signage Box: 420 x 230 x 75 mm	Head: 1,227 x 702.1 x 3.65 mm, Signage Box: 420 x 230 x 75 mm Head: 1,227 x 702.1 x 3.65 mm, Signage Box: 420 x 230 x 75 mm Head: 1,227 x 702.1 x 3.65 mm, Signage Box: 420 x 230 x 75 mm Head: 1,227 x 702.1 x 3.65 mm, Signage Box: 420 x 230 x 75 mm
	Weight (head)	Head: 21 kg Signage Box: 8 kg	(1 x 4 Model) 380 kg	Head: 5.5 kg, Signage Box: 5.3 kg, Wall Bracket: 1.8 kg	Head: 11 kg T-CON Box: 1.6 kg Signage Box: 4.3 kg
	Carton Dimensions (W x H x D)	1,344 x 987 x 269 mm (Inner)	1,040 x 860 x 1,313 mm (65EE5PC, based on 1 x 4, incl. pallet height) 2,264 x 1,282 x 1,053 mm (65CVR4C, incl. pallet height) 1,960 x 1,140 x 1,086 mm (65MODLC, based on 1 x 4, incl. pallet height)	1,383 x 834 x 252 mm	1,370 x 940 x 355 mm
	Packed Weight	32.6 kg	1 x 4 Model + Packing: 528 kg - 65EE5PC: 190 kg (1 x 4) - 65CVR4C: 198 kg (1 x 4) - 65MODLC: 140 kg (1 x 4)	22.5 kg	74 kg (Panel 3ea, T-CON Box 3 ea, Signage Box 3 ea)
	VESA™ Standard Mount Interface	NA	NA	NA	NA
	Environment	Operation Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C
Power	Operation Humidity Range	10% to 80%	10% to 80%	10% to 80%	10% to 80%
	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz
Standard (Certification)	Power Consumption Typical	375 W	230 W	190 W	190 W
	Safety	UL / cUL / CB / TUV / KC	NA	UL/cUL/CB/TUV/KC	UL/cUL/CB/TUV/KC
Media Player Compatibility	EMC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class A/CE/KCC	FCC Class A/CE/KCC
	ErP	Yes	Yes	Yes	Yes
Software Compatibility	OPS Type Compatible	Yes	NA	Yes	Yes
	External Media Player Attachable	Yes	NA	Yes	Yes
Accessories	SuperSign OLED	Yes	Yes	Yes	Yes
	SuperSign W / C	Yes / Yes	NA / Yes	NA / Yes	NA / Yes
Accessories	Basic	Remote Controller (include battery 2 ea), Power Cord, QSG, Mini HDMI Cable (3 M x 2 ea, for connection between head and signage box), Power Harness Cable (3 M x 2 ea, for connection between head and signage box), Regulation Book, Phone to RS232C Gender, Jack Cover, Signage Box Mounting Bracket	Remote Controller (include battery 2 ea), Power Cord, HDMI Cable, DP Cable 7ea, RS232C Cable 8ea, LAN Cable 9ea, QSG, Regulation Book	Remote Controller (includes 2 ea batteries), Cable (Connection between screen and signage box), Power Cord, DP Cable, RS-232C Cable, RS-232C Gender, LAN Cable, IR Receiver, Manual (ESG, EIG), Wall-mount Plate (includes screws), Harness Locking Cover, Set Install Guide, Signage Box Bracket (U-Leg), FPC Cable Cover	Remote Controller (includes 2 ea Batteries), Power Cord, QSG, Mini HDMI Cable (3 M x 2 ea, for connection between head and signage box), Power Harness Cable (3 M x 2 ea, for connection between head and signage box), Regulation Book, Phone to RS232C Gender, Jack Cover, Signage Box Mounting Bracket
	Optional	OPS Kit (KT-OPSA), Fixed Ceiling Mount Kit (ACC-CF-EH5C), Rotational Ceiling Mount Kit (ACC-CR-EH5C), Wall Mount Kit (ACC-W-EH5C), Stand Kit 1 (ACC-S-EH5C), Stand Kit 2 (ACC-S1-EH5C), Signage Box Cover (ACC-C-EH5C)	NA	NA	Accessory Type1 (Case/Top/ Bar): A1L****EF5C, A1P****EF5C Accessory Type2 (Jig): A2L****EF5C, A2P****EF5C

\* Average Picture Level  
\* 1+1 means 1 input for 1 each screen.

		86BH7C/BH5C	UH5C/75UM3C	LS95D	WS70MS/BS
Panel	Screen Size	86	86, 75, 65, 55, 49	98	84
	Panel Technology	IPS	IPS	IPS	IPS
	Aspect Ratio	58:9	16:9	16:9	16:9
	Native Resolution	3840 x 600 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
	Brightness	BH7C: 700 cd/m <sup>2</sup> (Typ), BH5C: 500 cd/m <sup>2</sup> (Typ)	500 cd/m <sup>2</sup> (UH5C), 350 cd/m <sup>2</sup> (75UM3C)	500 cd/m <sup>2</sup>	WS70MS: 500 cd/m <sup>2</sup> , WS70BS: 350 cd/m <sup>2</sup>
	Native Contrast Ratio	1,100:1 (Typ)	1,200:1 (86, 75), 1,000:1 (65), 1,100 (55, 49)	1,300:1	1,400:1
	Dynamic Contrast Ratio	500,000:1 (Typ)	4,000,000:1 (86, 75 DTV Label only), 2,000,000:1 (75UM3C DTV Label only) 1,000,000:1	500,000:1	500,000:1
Connectivity	Viewing Angle (H x V)	178° x 178°	178° x 178°	178° x 178°	178° x 178°
	Guaranteed Operating Hour	24 hrs / 7 days	24 hrs / 7 days	24 hrs / 7 days	MS: 24 hrs / 7 days, BS: 16 hrs / 7 days
Connectivity	Input	HDMI(3), DP, OPS, DVI-D, USB 2.0, USB 3.0, SD Card	HDMI(3), DP, DVI-D, Audio, USB 3.0, SD Card	HDMI(3), DP, DVI-D, Audio, USB3.0, USB2.0(2)	HDMI(3), DP, DVI-D, Audio, USB 3.0(1), USB 2.0(1)
	Output	Analog Audio	DP, Audio	DP, Audio, External Speaker	DP, Audio, External Speaker
Physical Specification	External Control	RS232C, RJ45, IR+R Receiver, Pixel Sensor	RS232C, RJ45, IR Receiver, Pixel Sensor	RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver
	Bezel Width	4.4 mm (L/R), 5.9 mm (T/B)	86: 14.3 mm, 75: 14.9 mm, 65: 55: 12.1 mm (T), 12.6 mm (R/L), 15.7 mm (B), 49: 11.9 mm (T), 12.4 mm (R/L), 15.5 mm (B)	14.9 mm (Even bezel)	27.9 mm (Even bezel)
Physical Specification	Monitor Dimension (W x H x D)	2,158.3 x 348.5 x 81.7 mm	86: 1,926.2 x 1,097.2 x 60.6 mm, 75: 1,682.4 x 960.3 x 57.9 mm, 65: 1,458.6 x 848.9 x 40.1 mm, 55: 1,239.8 x 725.2 x 38.6 mm, 49: 1,103.2 x 648 x 38.6 mm	2,191.8 x 1,246.8 x 69.4 mm	1,923 x 1,109 x 51 mm
	Weight (head)	20.5 kg	86: 49 kg, 75: 41.5 kg, 65: 26 kg, 55: 16.6 kg, 49: 13.3 kg	88 kg	72.9 kg
Environment	Carton Dimensions (W x H x D)	2,290 x 599 x 228 mm	86: 2,073 x 1,260 x 292 mm, 75: 1,816 x 1,123 x 228 mm, 65: 1,561 x 971 x 190 mm, 55: 1,330 x 807 x 170 mm, 49: 1,197 x 760 x 166 mm	2,342 x 1,386 x 402 mm	2,034 x 1,213 x 314 mm
	Packed Weight	38.2 kg	86: 61.1 kg, 75: 49 kg, 65: 32.5 kg, 55: 21.1 kg, 49: 17.7 kg	123 kg	86.7 kg
Power	VESA™ Standard Mount Interface	600 x 200 mm	86, 75: 600 x 400 mm, 65, 55, 49: 300 x 300 mm	800 x 400 mm	600 x 400 mm
	Operation Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
Standard (Certification)	Operation Humidity Range	10% to 80%	10% to 80%	10% to 80%	10% to 80%
	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz
Media Player Compatibility	Power Consumption Typical	BH7C: 215W, BH5C: 180W	UH5C: Under 275W / 240W / 134W / 116W / 102W, 75UM3C: 160W	450W	450W
	Smart Energy Saving	30% of typical	UH5C: Under 200W / 170W / 90W / 80W / 70W, 75UM3C: 115W	315W	300W
Standard (Certification)	Safety	UL / cUL / CB / TUV / KC	UL/cUL/CB/TUV/KC	UL/cUL/CB/TUV/KC	UL / cUL / CB scheme / TUV
	EMC	FCC Class A / CE / KC	FCC Class A/CE/KCC	FCC Class A/CE/KCC	FCC Class A / VCCI / C-tick / CE / KCC
Media Player Compatibility	Energy Star	NA	NA (86, 75), Yes (Energy Star 7.0) (under 65)	No	No
	OPS Type Compatible	Yes	Yes	No/No	No
Software Compatibility	External Media Player Attachable	No	Yes (MP500/MP700)	Yes (MP500/MP700)	No
	SuperSign Lite/W	Yes	Yes	Yes	Yes
Accessories	SuperSign C	Yes	Yes	Yes	Yes
	Basic	Remote Controller (including battery 2 ea), Power Cord, DP (2.6 M), RS-232C Cable (3 M), Owner's Manual (Website upload)	Remote Controller (include battery 2 ea), Power Cord, QSG, DP Cable (86, 75 only), HDMI Cable (under 65 only), Regulation Book, Phone to RS232C Gender, Memory Cover	Remote Controller (include battery 2 ea), Power Cord, IR/Light sensor receiver, CD (Owner's Manual, SuperSign Program / Manual), HDMI 2.0 Cable, DP cable, Phone jack to BNC cable, RS-232C, WIFI Dongle, EYE-BOLT	Power Cord, Remote Controller (include battery 2 ea), CD (Manual/Elite-C/ESG), Eye Bolt (2 ea), HDMI Cable
Accessories	Optional	AN-WF500 (Wi-Fi USB Dongle), MP700, KT-OPSA (OPS KIT), KT-SP0 (IRGB Sensor) Ultra Stretch Pillar (PL-S/D/FB60) ** Stand is not available	86, 75: Pixel sensor (KT-SP0), Media player, OPS Kit (KT-OPSA), HD Base T (EB-B100) LSW640A/B (Wall Mount) - Speaker (SP-5200), Stand (65 ST-651T, 55, 49 ST-201T), Pixel sensor (KT-SP0), Media player, Wall bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HD Base T (EB-B100)	SP-2200 (External Speaker)	SP-2100 (External Speaker)



SPECIFICATIONS

		VIDEO-WALL				
		VH7B/VM5B	VH7C/VM5C	49VLSB	LV77A/75A	
Panel	Screen Size	55	49	49	55	
	Panel Technology	IPS	IPS	IPS	IPS	
	Aspect Ratio	16:9	16:9	16:9	16:9	
	Native Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	
	Brightness	VH7B: 700 cd/m <sup>2</sup> VM5B: 500 cd/m <sup>2</sup>	VH7C: 700 cd/m <sup>2</sup> VM5C: 500 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	LV77A: 700 cd/m <sup>2</sup> , LV75A: 500 cd/m <sup>2</sup>	
	Native Contrast Ratio	1,400:1	1,300:1	1,300:1	1,400:1	
	Dynamic Contrast Ratio	500,000:1	500,000:1	500,000:1	500,000:1	
	Viewing Angle (H x V)	178° x 178°	178° x 178°	178° x 178°	178° x 178°	
	Guaranteed Operating Hour	24 hrs / 7 days	24 hrs / 7 days	24 hrs / 7 days	24 hrs / 7 days	
	Connectivity	Input	HDMI, DP, DVI-D, OPS, Audio, USB3.0, USB 2.0, RGB	HDMI, DP, DVI-D, OPS, Audio, USB3.0, USB 2.0, RGB	HDMI, DVI-D, RGB, USB	HDMI, DP, DVI-D, Audio, USB
Output		DP, Audio	DP, Audio	DVI-D	DP, External Speaker, Audio	
External Control		RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver	
Physical Specification	Bezel Width	0.9 mm (Even bezel) / B to B: 1.8 mm * B to B: Panel Bezel + Panel Bezel	0.9 mm (Even bezel) / B to B: 1.8 mm * B to B: Panel Bezel + Panel Bezel	2.3 mm (L/T), 1.2 mm (R/B)	2.25 mm (L/T), 1.25 mm (R/B)	
	Monitor Dimension (W x H x D)	1,211.4 x 682.2 x 86.5 mm	1,075.6 x 605.8 x 86.2 mm	1,077.7 x 607.8 x 89.7 mm	1,213.4 x 684.2 x 88.5 mm	
	Weight (head)	18.6 kg	17.5 kg	17.8 kg	LV77A: 23.2 kg / LV75A: 23 kg	
	Carton Dimensions (W x H x D)	1,353 x 855 x 263 mm	1,214 x 775 x 263 mm	1,214 x 778 x 263 mm	1,337 x 828 x 239 mm	
	Packed Weight	25.3 kg	23.2 kg	22.8 kg	LV77A: 30.5 kg / LV A: 30.3 kg	
	VESA™ Standard Mount Interface	600 x 400 mm	600 x 400 mm	600 x 400 mm	600 x 400 mm	
Environment	Operation Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	
	Operation Humidity Range	10% to 80%	10% to 80%	10% to 80%	10% to 80%	
Power	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	
	Power Consumption	Typical	220W / 150W	TBD / 120W	90W	LV77A: 230W / LV75A: 160W
		Smart Energy Saving	110W / 80W	TBD / 70W	40W	LV75A: 130W / LV75A: 130W
Standard (Certification)	Safety	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	
	EMC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class B / CE / KCC	
	Energy Star	Yes (Energy Star 7.0)	Yes (Energy Star 7.0)	No	LV77A: No LV75A: Yes (Energy Star 7.0)	
Media Player Compatibility	OPS Type Compatible	Yes	Yes	No	No	
	External Media Player Attachable	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes	Yes	
Software Compatibility	SuperSign Lite/W	Yes	Yes	Yes	Yes	
	SuperSign C	Yes	Yes	Yes	Yes	
Accessories	Basic	Remote Controller, Power Cable, DP Cable, Manual, IR Receiver, RS-232C Cable, LAN Cable, Guide Bracket, Screws	Remote Controller, Power Cable, DP Cable, Manual, IR Receiver, RS-232C Cable, LAN Cable, Guide Bracket, Screws	Remote Control, Power Cable, DVI Cable, Manual, IR Receiver, RS-232C Cable, Guide Bracket, Screw	Remote Controller, Power Cable, DP Cable, Manual, IR Receiver, RS-232C Cable, Tiling Guide, Screw	
	Optional	Wall Mount (Landscape: WM-L640V, Portrait: WM-P640V), OPS Kit (KT-OPSA), HDBaseT (EB-B100)	Wall Mount (Landscape: WM-L640V, Portrait: WM-P640V), OPS Kit (KT-OPSA), HDBaseT (EB-B100)	Wall Mount (Landscape: WM-L640V, Portrait: WM-P640V)	WM-L640V (Landscape), WM-P640V (Portrait), Frame Kit (Horizontal: FK-55V10, Vertical: FK-55V20)	

		VIDEO-WALL		STANDARD		
		LV35A	LS75C	SMSKC	22SM3B	
Panel	Screen Size	55 / 47	55 / 49 / 42	65 / 55 / 49 / 43 / 32	21.5	
	Panel Technology	IPS	IPS	IPS	IPS	
	Aspect Ratio	16:9	16:9	16:9	16:9	
	Native Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	
	Brightness	55: 500 cd/m <sup>2</sup> , 49: 450 cd/m <sup>2</sup>	LS75C: 700 cd/m <sup>2</sup> LS73C: 500 cd/m <sup>2</sup>	450 cd/m <sup>2</sup> (32: 400 cd/m <sup>2</sup> )	250 cd/m <sup>2</sup>	
	Native Contrast Ratio	55: 1,400:1, 49: 1,200:1	1,300:1	1,100:1 (65: 1,300:1)	1,000:1	
	Dynamic Contrast Ratio	500,000:1	500,000:1	4,000,000:1 (32: 2,000,000:1)	4,000,000:1	
	Viewing Angle (H x V)	178° x 178°	178° x 178°	178° x 178°	178° x 178°	
	Guaranteed Operating Hour	24 hrs / 7 days	24 hrs / 7 days	24 hrs / 7 days	16 hrs / 7 days	
	Connectivity	Input	HDMI, DVI-D, Audio, USB	HDMI (2), DP, DVI-D, Audio, OPS	HDMI, DP, DVI-D, RGB, Audio, USB 3.0, SD Card	HDMI, RGB, Audio, USB 3.0
Output		DVI-D, External Speaker, Audio	DP, Audio, External Speaker	DP, Audio, External Speaker	-	
External Control		RS232C, RJ45, IR Receiver	RS232C, RJ45, IR/Light Sensor, Pixel Sensor, USB 3.0	RS232C in/out, IR Receiver, Pixel Sensor	RS232C In, IR Receiver, Pixel Sensor, RJ45	
Physical Specification	Bezel Width	55: 2.25 mm (L/T) / 1.25 mm (R/B) 47: 3.2 mm (L/T) / 1.7 mm (R/B)	7.4 mm (Even bezel)	11.9 mm (T/R/L), 18 mm (B) (32: 13 mm (T/R/L), 18 mm (B))	16.3 mm	
	Monitor Dimension (W x H x D)	55: 1,213.4 x 684.2 x 88.5 mm 47: 1,044.9 x 590 x 89.9 mm	55: 1,330 x 815 x 174 mm 49: 1,197 x 760 x 134 mm 42: 1,045 x 645 x 127 mm	65: 1,456.9 x 838 x 56.5 mm 55: 1,238 x 714.9 x 54 mm 49: 1,102.2 x 638.5 x 54 mm 43: 969.6 x 563.9 x 54 mm 32: 729.4 x 428.9 x 55.5 mm	510.3 x 302.1 x 53.8 mm	
	Weight (head)	55: 23 kg 47: 16.5 kg	55: 20.7 kg / 49: 15.6 kg / 42: 12.5 kg	65: 27.9 kg 55: 17.5 kg 49: 14.3 kg 43: 10 kg 32: 5.4 kg	3.6 kg	
	Carton Dimensions (W x H x D)	55: 1,337 x 828 x 239 mm 47: 1,164 x 765 x 239 mm	55: 1,230 x 776 x 298 mm 49: 1,095 x 700 x 298 mm 42: 949 x 618 x 298 mm	65: 1,561 x 977 x 190 mm 55: 1,330 x 807 x 170 mm 49: 1,197 x 760 x 166 mm 43: 1,052 x 650 x 123 mm 32: 810 x 510 x 132 mm	565 x 357 x 103 mm	
	Packed Weight	55: 30 kg 47: 21.5 kg	55: 25.2 kg / 49: 18.7 kg / 42: 14.8 kg	65: 33.8 kg 55: 21.7 kg 49: 17.4 kg 43: 12.6 kg 32: 6.7 kg	4.7 kg	
	VESA™ Standard Mount Interface	600 x 400 mm	400 x 400 mm	300 x 300 mm (43, 32: 200 x 200 mm)	100 x 100 mm	
	Environment	Operation Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
		Operation Humidity Range	10% to 80%	10% to 80%	10% to 80%	10% to 80%
	Power	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz
		Power Consumption	Typical	55: 160W / 47: 130W	55: 140W / 49: 125W / 42: 110W	65: 120W, 55: 100W, 49: 85W, 43: 75W, 32: 60W
Smart Energy Saving			55: 90W / 47: 85W	55: 100W / 49: 90W / 42: 80W	65: 85W, 55: 70W, 49: 60W, 43: 55W, 32: 45W	On: 25.13W / Off: 29.76W
Standard (Certification)	Safety	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV	
	EMC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class B / CE	
	Energy Star	Yes (Energy Star 6.0)	Yes (Energy Star 7.0)	Yes (Energy Star 7.0)	Yes (Energy Star 7.0)	
Media Player Compatibility	OPS Type Compatible	No	Yes	Yes	No	
	External Media Player Attachable	Yes	Yes (MP500/MP700)	Yes (MP500/MP700), (32: No)	No	
Software Compatibility	SuperSign Lite/W	Yes	Yes	Yes	Yes	
	SuperSign C	Yes	Yes	Yes	Yes	
Accessories	Basic	Remote Controller, Power Cable, DVI Cable, Manual, IR Receiver, RS-232C Cable, Guide Bracket, Screw	Remote Controller (2 batteries included), Power Cord, IR/Light Sensor Receiver, QSG, Regular Book (depend on regional standard), HDMI Cable	Remote Controller (included 2 batteries), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, Memory Cover	Remote Controller (include 2 batteries), Power Cord, QSG, RGB Cable, Phone to RS232C Gender	
	Optional	WM-L640V (Landscape), WM-P640V (Portrait), Frame Kit (Horizontal: FK-55V10 / 47: FK-47V10), (Vertical: 55: FK-55V20 / 47: FK-47V20)	SP-2100 (External speaker), ST-200T, LSW440S, AN-WF500 (Wi-Fi USB dongle), KT-OPSA (OPS kits), KT-SP0 (Pixel sensor)	Speaker (SP-5000), Stand (65: ST-6521/ 55, 49: ST-4921/ 43: ST-4321/ 32: ST-3221), Pixel Sensor (KT-SP0), Media Player (except 32), Wall Bracket (65, 55, 49: LSW350B/ 43, 32: LSW230B), VESA Adapter (65, 55, 49: AM-B330S/ 43: AM-B220S), OPS Kit (KT-OPSA), HDBaseT (EB-B100)	Pixel Sensor (KT-SP0)	



SPECIFICATIONS

STANDARD		TRANSPARENT			
		SE3KB	LW55A	WFC/WFB	
Panel	Screen Size	65 / 55 / 49 / 43 / 32	32	55 / 49 / 32	
	Panel Technology	IPS	IPS	IPS	
	Aspect Ratio	16:9	16:9	16:9	
	Native Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	
	Brightness	350 cd/m <sup>2</sup> (65: 400 cd/m <sup>2</sup> )	5.9% (Typ)	55: 10% (Typ), 49: 9.5% (Typ), 32: 8.6%	
	Native Contrast Ratio	1,100:1 (65: 1,300:1)	1,200 (Typ)	55: 1,000 (Typ), 49: 1,300	
	Dynamic Contrast Ratio	500,000:1	NA	NA	
	Viewing Angle (H x V)	178° x 178°	178° x 178°	178° x 178°	
Guaranteed Operating Hour	18 hrs / 7 days	24 hrs / 7 days	24 hrs / 7 days		
Connectivity	Input	HDMI, DVI, RGB, Audio, USB(2)	LVDS (51Pin)	55:49: LVDS (40Pin) 32: LVDS (51Pin)	
	Output	Audio, External Speaker out (SE3B only)	-	-	
	External Control	RS232C, RJ45, IR receiver	-	-	
Physical Specification	Bezel Width	11.9 mm (T/R/L), 18 mm (B) (32: 13 mm (T/R/L), 18 mm (B))	83.05 mm (T), 17.5 mm (B/L/R)	55: 35.75 mm (T), 66.55 mm (B), 18.7 mm (L), 98.8 mm (R) 49: 64.1 mm (T), 18.7 mm (B), 18.7 mm (L), 125.86 mm (R) 32: 83.05 mm (T), 17.5 mm (B/R/L)	
	Monitor Dimension (W x H x D)	65: 1,456.9 x 838 x 56.5 mm 55: 1,238 x 714.9 x 54 mm 49: 1,102.2 x 638.5 x 54 mm 43: 969.6 x 563.9 x 54 mm 32: 729.4 x 428.9 x 55.5 mm	743.2 x 504.2 x 11.2 mm	55: 1,331.1 x 786.7 x 11.2 mm 49: 1,222.34 x 690.8 x 11.2 mm 32: 743.2 x 504.2 x 11.2 mm	
	Weight (head)	65: 27.9 kg 55: 17.5 kg 49: 14.3 kg 43: 10 kg 32: 5.4 kg	2.6 kg	55: 5.4 kg 49: 6.6 kg 32: 2.6 kg	
	Carton Dimensions (W x H x D)	65: 1,561 x 977 x 190 mm 55: 1,330 x 807 x 170 mm 49: 1,197 x 760 x 166 mm 43: 1,052 x 650 x 123 mm 32: 810 x 510 x 132 mm	834 x 570 x 114 mm	55: 1,421 x 877 x 118 mm 49: 1,303 x 771 x 118 mm 32: 834.0 x 570.0 x 114 mm	
	Packed Weight	65: 33.8 kg 55: 21.7 kg 49: 17.4 kg 43: 12.6 kg 32: 6.7 kg	3.8 kg	55: 1,421 x 877 x 118 mm 49: 1,303 x 771 x 118 mm 32: 834.0 x 570.0 x 114 mm	
	VESA™ Standard Mount Interface	300 x 300 mm (43, 32: 200 x 200 mm)	NA	NA	
	Environment	Operation Temperature Range	0°C to 40°C	0°C to 40°C	0°C to 40°C
	Operation Humidity Range	10% to 80%	10% to 80%	10% to 80%	
Power	Power Supply	100-240V~, 50/60Hz	-	-	
	Power Consumption	Typical Smart Energy Saving	65: 95W, 55: 70W, 49: 65W, 43: 60W, 32: 50W 65: 70W, 55: 55W, 49: 50W, 43: 45W, 32: 35W	7.2 W(Typ.)(12V Input)	55: 5.52W 49: 5.4W 32: 6.3W
Standard (Certification)	Safety	UL / cUL / CB / TUV / KC	-	-	
	EMC	FCC Class A / CE / KCC	-	-	
	Energy Star	Yes (Energy Star 7.0), (32: NA)	-	-	
Media Player Compatibility	External Media Player Attachable	Yes (MP500/MP700), (32: No)	-	-	
Software Compatibility	SuperSign Lite/W	Yes	-	-	
	SuperSign C	Yes	-	-	
Accessories	Basic	Remote Controller (include battery 2 ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver	CD Manual, Book Manual	Simple Book	
	Optional	Stand (65: ST-652T/ 55:49: ST-492T/ 43: ST-432T/32: ST-322T), Media Player (except 32), Wall Bracket (65,55,49: LSW350B/ 43: LSW230B/ 32: LSW230B), VESA Adapter (65,55,49: AM-B330S/ 43: AM-B220S)(except 32), Touch overlay (65: KT-T651/ 55: KT-T550/ 49: KT-T490/ 43: KT-T430/ 32: KT-T320)	-	-	

		HIGH BRIGHTNESS		INTERACTIVE		
		XE3C	XF3C	TR3B	SM3TB	
Panel	Screen Size	75 / 55	75 / 55	84	10	
	Panel Technology	IPS	M+ (W/RGB)	IPS	ADS	
	Aspect Ratio	16:9	16:9	16:9	16:10	
	Native Resolution	75: 3840 x 2160 (UHD), M+ 55: 1920 x 1080 (FHD), M+	75: 3840 x 2160 (UHD) 55: 1920 x 1080 (FHD)	3840 x 2160 (UHD)	1280 x 800 (HD)	
	Brightness	3,000 cd/m <sup>2</sup>	3,000 cd/m <sup>2</sup>	350 cd/m <sup>2</sup> , (300 cd/m <sup>2</sup> with Protection Glass)	Module: 450 cd/m <sup>2</sup> , Set: 400 cd/m <sup>2</sup> (W/Touch)	
	Native Contrast Ratio	1200:1 (75), 1,000:1 (55, 49)	1200:1 (75), 1,000:1 (55)	1,400:1	900:1	
	Dynamic Contrast Ratio	500,000:1	500,000:1	500,000:1	-	
	Viewing Angle (H x V)	178° x 178°	178° x 178°	178° x 178°	160° x 160°	
Guaranteed Operating Hour	24 hrs / 7 days	24 hrs / 7 days	-	16 hrs / 7 days		
Connectivity	Input	HDMI, DP, DVI-D, Audio	HDMI(2), DP, DVI-D, Audio, USB3.0	HDMI (2), DP, DVI-D, Component AV, Audio, USB3.0 (1), USB2.0 (2)	USB2.0, SD Card	
	Output	DP, External Speaker Out	DP, External Speaker Out	Audio, External Speaker out,	-	
	External Control	RS232C, RJ45, USB 3.0, SD Card	RS232C, RJ45, IR Receiver, Pixel Sensor	RS232C, LAN, IR/Light Sensor, PenTray Control	RJ45	
Physical Specification	Bezel Width	75: 110 mm (T) 230 mm (B), 73.3 mm (L/R) 55: 66.4 mm (T/B), 31.0 mm (L/R)	75: 12.8 mm (Even bezel) 55: 9.9 mm (L/R), 12 mm (T/B)	34.0 mm	14 mm	
	Monitor Dimension (W x H x D)	75: 1075.6 x 1991.6 x 219 mm 55: 745.3 x 1345.4 x 160.0 mm	75: 1,675.2 x 953.6 x 123.9 mm 55: 1,235.4 x 709.4 x 106 mm	1,951.2 x 1,137.2 x 111.9 mm	245.6 x 164.2 x 29.7 mm	
	Weight (head)	75: 180 kg 55: 70 kg	75: 36.7 kg 55: 28.5 kg	104 kg	0.63 kg	
	Carton Dimensions (W x H x D)	75: 1,308 x 2296 x 468 mm 55: 1,027 x 1,491 x 309 mm	75: 1,816 x 1,106 x 285 mm 55: 1,344 x 820 x 236 mm	2,050 x 1,261 x 330 mm	327 x 224 x 95 mm	
	Packed Weight	75: 15 kg 55: EPS Packing+Carton Box	75: 46.3 kg 55: 33.7 kg	119.1 kg	1.041 kg	
	VESA™ Standard Mount Interface	NA	75: NA / 55: 600 x 400 mm	600 x 400 mm, M8	50 x 50 mm	
Environment	Operation Temperature Range	-30 °C to 50 °C	0 °C to 50 °C (w/o Direct Sunlight), 0 °C to 40 °C (Direct Sunlight)	0°C to 40°C	0°C to 40°C	
	Operation Humidity Range	5% to 100%	75: 10% to 85% 55: 10% to 80%	10% to 80%	10% to 90%	
Power	Power Supply	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz, 5.7A	100-240V~, 50/60Hz	
	Power Consumption	Typical	75: 700W 55: 350W	75: 750W, 55: 280W	400W	10W
		Smart Energy Saving	75: 350W 55: 178W	75: 320W, 55: 160W	30% +5%	-
Standard (Certification)	Safety	UL / cUL / CB	RU / CB scheme	UL / cUL / CB / TUV / KC	UL / cUL / TUV	
	EMC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class A / CE / KCC	FCC Class A / CE	
	Energy Star	No	No	NA	Yes (Energy Star 6.0)	
Media Player Compatibility	External Media Player Attachable	No	No	Yes (MP500, MP700)	No	
Software Compatibility	SuperSign Lite/W	Yes	Yes	No	No	
	SuperSign C	Yes	Yes	Yes	No	
	Basic	Remote Controller, Manual, QSG, Regulation Book, Phone to RS232C Gender, USB cable, HDMI cable	Remote Controller (including battery 2 ea), Power Cord, HDMI Cable, IR extension cable/PCB, Manual (ESG&EIG), IR BRKT (75 only)	Power Cord, Remote Controller (include battery 2 ea), IR/Light sensor receiver, USB 2.0 Cable, HDMI 2.0 Cable, DisplayPort Cable, Cable Tie (2 ea), Touch Pen (2 ea), PenTray (1 ea), Eye-Bolt Assy (2 ea), Screw Package, ESG	Adaptor, Manual (Web), ESG	
Optional	Media player (driven by customer), Enclosure Stand	KT-SP0 *Stand is not available	Media Player: MP700/MP500 External Speaker: SP-2100 Pen Tray: KT-WT1 (TBD)	No		



SPECIFICATIONS

LED						
		LAS040DA1	LAS060DA1	LAS100DA1	LAS160DA1	LAS200DA1
Physical Parameters	Pitch Name	P4	P6	P10	P16	P20
	Pixel Configuration	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	4.00	6.00	10.00	15.88	20.00
	Module Resolution (W x H)	60 x 60	40 x 40	24 x 24	16 x 8	16 x 8
	Module Dimensions (W x H, mm)	240 x 240	240 x 240	240 x 240	254 x 127	320 x 160
	No. of Modules per Unit Case (W x H)	4 x 4	4 x 4	4 x 4	4 x 6	4 x 5
	Unit Case Resolution (W x H)	240 x 240	160 x 160	96 x 96	64 x 48	64 x 40
	Unit Case Dimensions (W x H, mm)	960 x 960	960 x 960	960 x 960	1,016 x 762	1,280 x 800
	Unit Case Surface Area (m <sup>2</sup> )	0.922	0.922	0.922	0.774	1.024
	Weight per Unit Case (kg)	25	28	28	25	36
Service access	Front or Rear	Front or Rear	Front or Rear	Front or Rear	Front or Rear	
Optical Specifications	Min. Brightness (After Calibration)	2,000	2,000	2,000	2,000	2,000
	Color Temperature	6,500	6,500	6,500	6,500	6,500
	Visual Viewing Angle (Horizontal)	160°	160°	160°	160°	160°
	Visual Viewing Angle (Vertical)	140°	140°	140°	140°	140°
	Contrast Ratio	5,000	2,000	2,000	2,000	2,000
Electrical Specifications	Power Consumption (W/Unit, Max.)	690	368	345	250	414
	Power Consumption (W/Unit, Avg.)	276	147	138	100	166
	Power Consumption (W/m <sup>2</sup> , Max.)	749	399	374	323	404
	Power Supply (V)	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Refresh Rate (Hz)	960	960	960	960	960	
Operation Specifications	Lifetime (Half brightness)	100,000	100,000	100,000	100,000	100,000
	Operating Temperature	0°C to +40°C	0°C to +40°C	0°C to +40°C	0°C to +40°C	0°C to +40°C
	IP rating Front	IP40	IP40	IP40	IP40	IP40
IP rating Rear	IP20	IP20	IP20	IP20	IP20	

LED						
		LAF100DA1	LAS016DB2	LAS019DB2	LAS025DB2	LAS060DB4
Physical Parameters	Pitch Name	P10	P16	P19	P25	P6
	Pixel Configuration	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	10.00	1.67	1.92	2.50	6.00
	Module Resolution (W x H)	16 x 16	120 x 90	104 x 78	80 x 60	40 x 40
	Module Dimensions (W x H, mm)	160 x 160	200 x 150	200 x 150	200 x 150	240 x 240
	No. of Modules per Cabinet (W x H)	8 x 5	2 x 2	2 x 2	2 x 2	4 x 4
	Cabinet Resolution (W x H)	128 x 80	240 x 180	208 x 156	160 x 120	160 x 160
	Cabinet Dimensions (W x H, mm)	1,280 x 800	400 x 300	400 x 300	400 x 300	960 x 960
	Cabinet Surface Area (m <sup>2</sup> )	1.024	0.120	0.120	0.120	0.922
	Weight per Cabinet (kg)	42	6	6	6	42
Service access	Top	Rear	Rear	Rear	Front or Rear	
Optical Specifications	Min. Brightness (After Calibration)	2,000	800	800	800	800
	Color Temperature	6,500	3,200 - 9,300	3,200 - 9,300	3,200 - 9,300	3,200 - 9,300
	Visual Viewing Angle (Horizontal)	160°	160°	160°	160°	160°
	Visual Viewing Angle (Vertical)	140°	140°	140°	140°	160°
	Contrast Ratio	2,000	3,000	3,000	3,000	1,000
Electrical Specifications	Power Consumption (W / cabinet, Max.)	529	100	100	100	498
	Power Consumption (W / cabinet, Avg.)	212	30	30	30	166
	Power Consumption (W/m <sup>2</sup> , Max.)	517	830	830	830	720
	Power Supply (V)	100 to 240	110 to 240	110 to 240	110 to 240	110 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Refresh Rate (Hz)	960	2,100	3,000	6,300	1,920	
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000	50,000
	Operating Temperature	0°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	0°C to +40°C
	IP rating Front	IP40	-	-	-	-
IP rating Rear	IP20	-	-	-	-	

LED						
		LBS060DA1	LBS080DA1	LBS100DA1	LBS120DA1	LBS160DA1
Physical Parameters	Pitch Name	P6	P8	P10	P12	P16
	Pixel Configuration	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	6.00	8.00	10.70	12.00	16.00
	Module Resolution (W x H)	32 x 32	24 x 24	18 x 18	16 x 16	12 x 12
	Module Dimensions (W x H, mm)	192 x 192	192 x 192	192 x 192	192 x 192	192 x 192
	No. of Modules per Cabinet (W x H)	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6
	Cabinet Resolution (W x H)	128 x 192	96 x 144	72 x 108	64 x 96	48 x 72
	Cabinet Dimensions (W x H, mm)	768 x 1,152	768 x 1,152	768 x 1,152	768 x 1,152	768 x 1,152
	Cabinet Surface Area (m <sup>2</sup> )	0.885	0.885	0.885	0.885	0.885
	Weight per Cabinet (kg)	36	38	38	38	38
Service access	Front or Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	
Optical Specifications	Min. Brightness (After Calibration)	6,000	6,000	6,000	6,000	6,000
	Color Temperature	6,500	6,500	6,500	6,500	6,500
	Visual Viewing Angle (Horizontal)	160°	160°	160°	160°	160°
	Visual Viewing Angle (Vertical)	90°	90°	110°	100°	90°
	Contrast Ratio	3,000	3,000	3,000	3,000	3,000
Electrical Specifications	Power Consumption (W / cabinet, Max.)	690	771	805	748	794
	Power Consumption (W / cabinet, Avg.)	276	308	322	299	317
	Power Consumption (W/m <sup>2</sup> , Max.)	780	871	910	845	897
	Power Supply (V)	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Refresh Rate (Hz)	960	960	960	1,920	1,920	
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000	100,000
	Operating Temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	IP rating Front	IP65	IP65	IP65	IP65	IP65
IP rating Rear	IP54	IP54	IP54	IP54	IP54	

LED						
		LBS160VA1	LBS200VA1	LBF160DA1	LBB100DA1	LBB160DA1
Physical Parameters	Pitch Name	P16	P20	P16	P10	P16
	Pixel Configuration	Oval	Oval	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	16.00	20.00	16.00	10.00	16.00
	Module Resolution (W x H)	20 x 20	16 x 16	12 x 12	16 x 16	12 x 12
	Module Dimensions (W x H, mm)	320 x 320	320x320	192 x 192	160 x 160	192 x 192
	No. of Modules per Cabinet (WxH)	6 x 4	6 x 4	4 x 5	8 x 6	8 x 5
	Cabinet Resolution (WxH)	120 x 80	96 x 64	48 x 60	128 x 96	96 x 60
	Cabinet Dimensions (W x H, mm)	1,920 x 1,280	1,920 x 1,280	768 x 960	1,280 x 960	1,536 x 960
	Cabinet Surface Area (m <sup>2</sup> )	2.458	2.458	0.737	1.229	1.475
	Weight per Cabinet (kg)	109	107	40	62	72
Service access	Front and Rear	Front or Rear	Top	Rear	Front and Rear	
Optical Specifications	Min. Brightness (After Calibration)	7,500	6,000	6,000	5,500	6,000
	Color Temperature	6,500	6,500	6,500	6,500	6,500
	Visual Viewing Angle (Horizontal)	160°	160°	160°	160°	160°
	Visual Viewing Angle (Vertical)	60°	60°	90°	100°	90°
	Contrast Ratio	3,000	3,000	3,000	3,000	3,000
Electrical Specifications	Power Consumption (W / cabinet, Max.)	1547	1380	667	1150	1265
	Power Consumption (W / cabinet, Avg.)	619	552	267	460	506
	Power Consumption (W/m <sup>2</sup> , Max.)	629	562	905	936	858
	Power Supply (V)	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Refresh Rate (Hz)	960	4,000	960	100,000	100,000	
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000	100,000
	Operating Temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
	IP rating Front	IP65	IP65	IP65	IP65	IP65
IP rating Rear	IP54	IP54	IP43	IP54	IP54	



