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## 2015 DIGITAL SIGNAGE

### INFORMATION DISPLAY AND SOLUTIONS



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## 2015 HIGHLIGHTS

### WORLD'S NARROWEST BEZEL VIDEO WALL

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



### EXPANDING UHD LINE-UP 98"/84"/65"/55"/49"

**New 49", 55" Ultra HD display line-up in addition to Ultra HD Large Screen (98", 84")**

Produce resolution and picture quality far beyond any other regular displays. Ultra HD resolution has four times the resolution and pixel density of Full HD display delivering superior clarity and details of life-like images that appear sharp even at close viewing distances.



### SMART PLATFORM WITH webOS 2.0



#### High Performance SoC\*

Eliminating the need of an external media player reduces TCO and simplifies the installation and maintenance.

#### Simple Customization

Allows to build apps by LG's SDK\*\* and able to apply customizable logo during idle-times, such as booting and no signal periods.

#### Web Centric Platform

Supports HTML5 for building apps working on any platforms or devices in an easy manner.

#### Simple Management

Enables self-diagnostics and remote monitoring from PCs or mobile devices.

#### Intuitive UX

Improved user experience through an intuitive Quick Launcher.

\*SoC : System-on-Chip

\*\*SDK : Software Development Kit

### A WIDE RANGE OF COMPETITIVE DISPLAYS LINE UP

As cost effective solution, a wide range of screen sizes from 10" to 65" Full HD Standard Signage with webOS are available, which suit the needs of information and advertisement displays for corporate communications, retail, QSR/food service, and for other vertical markets as well.

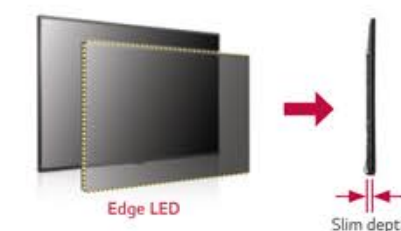


\*10" will be available in September.

### ENHANCED DESIGN CONFIGURATION

#### Slim Design with Edge LED

Slimmer depth is enabled to save installation space by Edge LED. In addition to, energy efficiency is enhanced with lower power consumption.



#### Detachable Logo

Portrait mode allows the logo to be positioned in the desired setting.



#### Cable Management

The well-organized cable terminals in the back optimize available space.

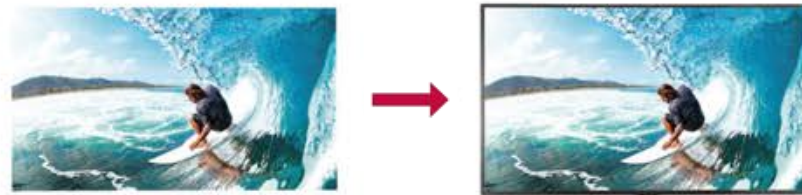


## REVOLUTIONARY IPS TECHNOLOGY

### SUPERIOR PICTURE QUALITY

#### Consistent Response Time for Reduced Eye Strain & Original Image Exact Color Matching

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



Actual Image

IPS's Color Accuracy

\* In-Plane Switching

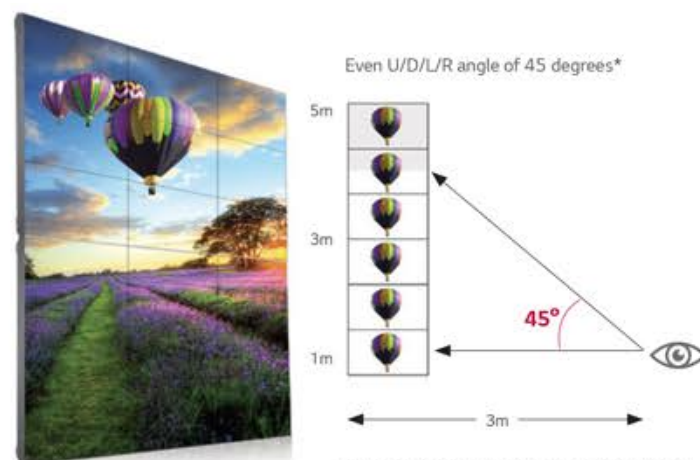
#### You Can Enjoy the Same Colors as the Actual Product in the Display.

IPS Technology has the better control of liquid crystal and in consequence, it allows you to watch the screen virtually at any angle.



#### Clear Viewing Angle

LG Video Wall display ensures clear picture quality even when installed in stacks of more than four. This is very favorable for the quantity of video walls installed in large spaces.



\* The angle from the center of the screen to have 50% of the initial luminance.

### ADVANCED RELIABILITY

#### High Brightness Reliability

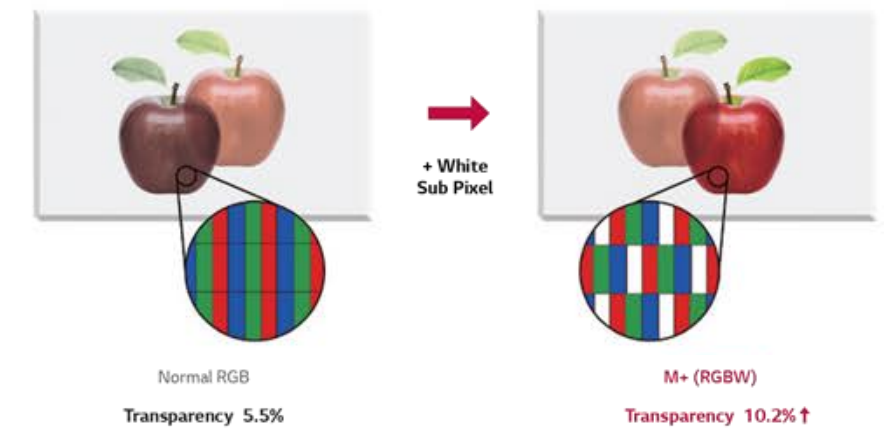
Over time, the brightness decreases depending on operating time. LG's high brightness display sustains the level of brightness for a long time. Even under direct sunlight exposure, IPS Panel remains free of blackening defects and provides superior quality for outdoor usage. This means you can save on costs related to purchasing IR blockers or extra cooling systems, in addition to saving power. What's more, you can save on space since no glass covers are needed for the monitors.



### COST EFFECTIVENESS

#### Low Power Consumption Using by the M+ panel

The M+ panel offers excellent energy-efficiency and cost-savings and decreases power consumption by 31% compared to conventional RGB panels.



\*Due to its 60% enhanced transmittance.



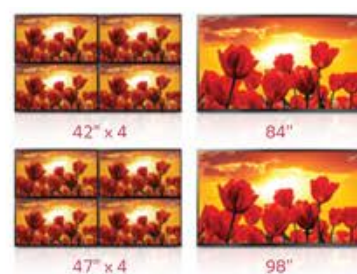
# Ultra HD Large Screen (98", 84")

## Ultra HD Smart Display



### Seamless Content Delivery in a Large Screen

Providing an immersive viewing with high quality in a seamless 84" and 98" Ultra large screen.



### Super High Resolution 3,840 x 2,160 (Ultra HD)

Ultra HD Resolution presents a whole new level of picture quality, boasting a picture definition of four times higher than that of Full HD.



### Docking - Type Player MP700 Ready

Signage Display with a docking-type player looks slimmer and helps maintain the system far more conveniently on account of less cabling.

- Display with High Bit Rate (HBR) Bandwidth 3,840 x 2,160 pixels with excellent performance
- Ultra HD Dual Cloning Feature  
2 DP ports with HBR dedicated for Ultra HD display  
→ Offers 2 same contents at Ultra HD resolution



### 98" ULTRA HD PREMIUM LARGE DISPLAY

## 98LS95A

- webOS
- Brightness : 500cd/m<sup>2</sup>
- Landscape & Portrait mode
- Wi-Fi Dongle Ready
- HEVC
- Ultra HD (3,840 x 2,160)
- 24/7 Operation
- DP1.2 Daisy-Chain
- Up-scaling (Full HD to UHD)



### 84" ULTRA HD PREMIUM LARGE DISPLAY

## 84WS70MS/70BS

- Ultra HD (3,840 x 2,160)
- Brightness : 500cd/m<sup>2</sup> (WS70MS), 350cd/m<sup>2</sup> (WS70BS)
- 24/7 Operation (WS70MS)
- Landscape & Portrait mode (WS70MS)
- Compatible with MP700 Docking-type Player

### 65"/ 55"/ 49" ULTRA HD SMART DISPLAY with webOS 2.0

## UH5B

- webOS 2.0
- Ultra HD (3,840 x 2,160)
- 24/7 Operation
- Built-in Wi-Fi
- Up-scaling (Full HD to UHD)
- Quad Core SoC built-in
- Brightness : 500cd/m<sup>2</sup>
- Landscape & Portrait mode
- Low Power Consumption by M+
- HEVC





# A Wide Range of Standard Signage (32"~65")

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



## STANDARD PREMIUM DISPLAY

### 55"/49"/42" STANDARD PREMIUM DISPLAY SH7DB

- Brightness : 700cd/m<sup>2</sup>
- Narrow Even Bezel (7.4mm) and Slim Depth (31.7mm)
- Detachable logo
- Screen Fault Detection
- OPS Compatible
- Advanced Fail-over
- DP1.2 Daisy-Chain
- Wi-Fi Dongle Ready
- 24/7 Operation
- Landscape & Portrait mode



## webOS

The webOS 2.0 platform provides easy and convenient tools to create contents. LG's SDK\* and technical supports make content development and management easier.



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

\*Software Development Kit

## OPS\* & HDBaseT Compatibility

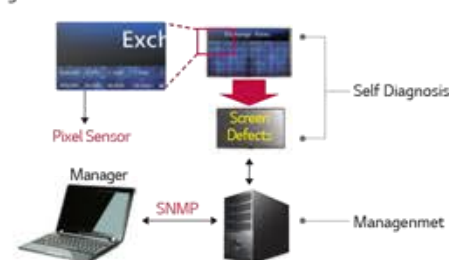
The OPS Compatible signage provides an OPS Kit to connect a third-party OPS player or HDBaseT box. Users have the flexibility to choose any media player as long as it complies with the OPS.



\*OPS : Open Pluggable Specification

## Screen Fault Detection

Pixel Sensor checks screen status and alerts screen failure, such as screen hang and freeze. An e-mail notification is sent using SuperSign™ C or SI software.



## Quad Core SoC

The High Performance SoC can execute several tasks at the same time and provide smooth content playback.



\*Applied to Standard Signage with webOS.



### 55"/49"/42" STANDARD PREMIUM DISPLAY with webOS LS75A/LS73B

- webOS
- Brightness : 700cd/m<sup>2</sup> (LS75A), 500cd/m<sup>2</sup> (LS73B)
- Narrow Even Bezel (7.4mm) and Slim Depth (31.7mm)
- Detachable logo
- Screen Fault Detection
- OPS Compatible
- Advanced Fail-over
- DP1.2 Daisy-Chain
- Wi-Fi Dongle Ready
- 24/7 Operation
- Landscape & Portrait mode



# A Wide Range of Standard Signage (32"~65")

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

## STANDARD PERFORMANCE DISPLAY

### 65"/55"/49"/43"/32" STANDARD PERFORMANCE DISPLAY with webOS 2.0 **SM5B/SM5KB**

- webOS 2.0 / Quad Core SoC Built-in
- Slimmer Depth (38.6mm) \*except 65", 32"
- Built-in Wi-Fi
- OPS/HDBaseT Compatible
- Beacon Support
- Landscape & Portrait mode
- Brightness : 450cd/m<sup>2</sup> (32" 400cd/m<sup>2</sup>)
- Detachable Logo
- Screen Fault Detection
- Advanced Fail-over
- 24/7 Operation

\*SM5KB : Built-in Speaker (10W x 10W)



### 55"/49"/43" STANDARD PERFORMANCE DISPLAY

## **SL5B**

- Brightness: 450cd/m<sup>2</sup>
- Detachable Logo
- USB Content Scheduling
- 18/7 Operation
- Slimmer Depth (38.6mm)
- Wi-Fi Dongle Ready / SNMP
- Local Time Auto Setting
- Landscape & Portrait mode

### 32" STANDARD PERFORMANCE DISPLAY

## **32SL5B**

- Brightness : 450cd/m<sup>2</sup>
- Detachable Logo
- OPS Compatible
- 24/7 Operation
- Slimmer Depth (35.6mm)
- Advanced Fail-over
- Wi-Fi Dongle Ready / SNMP
- Landscape & Portrait mode



## STANDARD ESSENTIAL DISPLAY

### 65"/55"/49"/43"/32" STANDARD ESSENTIAL DISPLAY **SE3B/SE3KB**

- Brightness : 350cd/m<sup>2</sup> (65" 400cd/m<sup>2</sup>)
- Detachable Logo
- USB Content Scheduling
- 18/7 Operation
- Slimmer Depth (38.6mm) \*except 65", 32"
- Wi-Fi Dongle Ready / SNMP
- Local Time Auto Setting
- Landscape & Portrait mode

\*SE3KB : Built-in Speaker (10W x 10W)



### 55"/49"/43" STANDARD ESSENTIAL DISPLAY WITH webOS 2.0

## **SM3B**

- webOS 2.0
- Brightness: 350cd/m<sup>2</sup>
- Detachable Logo
- USB Content Scheduling
- 18/7 Operation
- Quad Core SoC built-in
- Slimmer Depth (38.6mm)
- Built-in Wi-Fi / SNMP
- Local Time Auto Setting
- Landscape & Portrait mode

### 65"/55"/47"/42"/32" STANDARD ESSENTIAL DISPLAY

## **LS33A**

- Brightness : 350cd/m<sup>2</sup> (65"), 330cd/m<sup>2</sup> (55"), 300cd/m<sup>2</sup> (47", 42", 32")
- 16/7 Operation
- Remote Control (RS232C, RJ45)
- Wi-Fi Dongle Ready
- Landscape & Portrait Mode
- Embedded Media Player





# Ultra Narrow Bezel Video Wall

LG's near-seamless video wall solutions make various formats of display possible. It can be extended easily, allowing you to generate effective attraction.



## Narrowest Bezel\*

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



Bezel to Bezel **under 2.0mm**

\* VH7B

## Uniform Brightness

LG's LED backlight technology guarantees high uniformity in brightness to ensure a clear picture. On other screens, certain spots may appear darker than others, but the new VH7B generates high visibility and a consistent brightness across the whole screen.



General (80%)

LG (90%)

## Image Gap Reduction

The VH7B includes an image improvement algorithm that can adjust to objects located in the boundary of bezel for a seamless viewing experience.

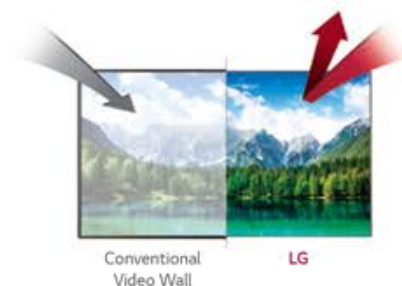


Conventional

LG

## Shine Out

The VH7B is the perfect fit for window displays because it reflects sunlight for better visibility and a clearer image than conventional panels.



Conventional  
Video Wall

LG

## ULTRA NARROW BEZEL VIDEO WALL

### 55" WORLD'S NARROWEST BEZEL VIDEO WALL

#### VH7B

- webOS 2.0
- Quad Core SoC built-in
- Brightness : 700cd/m<sup>2</sup>
- Bezel : Less than 2.0mm (B-to-B)
- Clear Viewing Angle
- SoC Based Sync-Playback
- Image Gap Reduction
- LAN Daisy-Chain
- OPS Compatible
- 24/7 Operation
- Landscape & Portrait mode
- SuperSign Lite/W/C

\* Available in Sept.



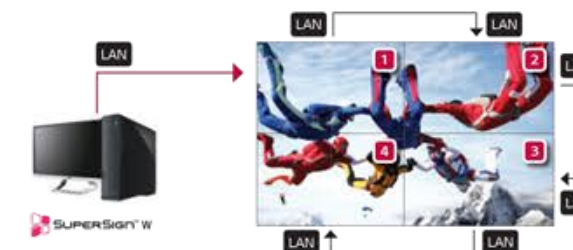
## SuperSign™ W for Content Management

Flexible content editing in various layouts including regular matrix and non-formal irregular video-wall is possible to your preference in a timely and cost effective manner without unnecessary expensive video wall console.



## LAN Daisy Chain Performance

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





# Ultra Narrow Bezel Video Wall

LG's near-seamless video wall solutions make various formats of display possible. It can be extended easily, allowing you to generate effective attraction.

## SUPER NARROW BEZEL VIDEO WALL

### 55" SUPER NARROW 3.5mm BEZEL VIDEO WALL

#### LV77A

- Brightness : 700cd/m<sup>2</sup>
- Bezel : 3.5mm (B-to-B)
- Clear Viewing Angle
- DP 1.2 Daisy-Chain
- 24/7 Operation
- Shine-Out/Anti-Glare
- Landscape & Portrait mode
- SuperSign Lite/W/C



### 55" SUPER NARROW 3.5mm BEZEL VIDEO WALL

#### LV35A

- Brightness : 500cd/m<sup>2</sup>
- Bezel : 3.5mm (B-to-B)
- Clear Viewing Angle
- DP 1.2 Daisy-Chain
- 24/7 Operation
- Anti-Glare
- Landscape & Portrait mode
- SuperSign Lite/W/C



### 55" SUPER NARROW 3.5mm BEZEL VIDEO WALL

#### LV75A

- Brightness : 500cd/m<sup>2</sup>
- Bezel : 3.5mm (B-to-B)
- Clear Viewing Angle
- DP 1.2 Daisy-Chain
- 24/7 Operation
- Anti-Glare
- Landscape & Portrait mode
- SuperSign Lite/W/C



### 47" 4.9mm BEZEL VIDEO WALL

#### LV35A

- Brightness : 450cd/m<sup>2</sup>
- Bezel : 4.9mm (B-to-B)
- Clear Viewing Angle
- DP 1.2 Daisy-Chain
- 24/7 Operation
- Landscape & Portrait mode
- SuperSign Lite/W/C





# Open Frame & Window-Facing

With the excellent readability and wonderful color expression LG's outdoor signage is perfectly fit for advertising in outdoor space influenced easily by the temperature and weather.



## High Brightness

The high visibility of super high brightness display maintains high picture quality and the image's readability even under direct sunlight.



## Shine-out

Perfect fit for window display by reflecting away the sunlight providing better image visibility and clearer display even under direct sunlight.



## High Operating Temperature

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



## Dust & Humidity Protection

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



\* XF2B's specification



## 55" FAN-LESS WINDOW-FACING DISPLAY XS2B

- webOS
- High Brightness : 2,500cd/m<sup>2</sup> (Typ.)
- Low Power Consumption by M+
- Slimmer Depth (89mm)
- Fan-less Noise Reduction : Under 25dB
- Operating Temperature : 0-45°C
- System Log File Saving
- 24/7 Operation
- Screen Fault Detection
- SuperSign Lite/W/C



## 55" ENHANCED BRIGHTNESS OPEN FRAME DISPLAY XF2B

- webOS
- High Brightness : 2,500cd/m<sup>2</sup> (Typ.)
- Low Power Consumption by M+
- Slimmer Depth (106mm)
- Operating Temperature : 0-50°C
- System Log File Saving
- 24/7 Operation
- Screen Fault Detection
- SuperSign Lite/W/C



## 72" LARGE SCREEN OPEN FRAME DISPLAY 72WX70MF

- High Brightness: 1,600 (Min) ~ 2,000cd/m<sup>2</sup> (Max)
- Operating Temperature : 0 ~ 50°C
- SNMP Support
- Landscape & Portrait mode
- 24/7 Operation
- SuperSign Lite/W/C



## 47" OPEN FRAME DISPLAY 47WX50MF

- High Brightness: 1,600 (Min) ~ 2,000cd/m<sup>2</sup> (Max)
- Operating Temperature : 0 ~ 40°C
- 24/7 Operation
- Landscape & Portrait mode
- Shine-out
- SuperSign Lite/W/C



# Overlay Touch & Multi-Touch Experience

LG's touch technology provides smooth and accurate 10-points multi-touch with precision for your interactive needs.



## 84" Ultra HD Multi Touch Signage

The only Ultra HD-based (3,840 x 2,160) touch screen displaying clear & sharp resolution contents in real life picture quality.



## Ghost Free Multi-Touch Experience

When touching the screen, it is possible to express your writing or drawing with 'No Ghosting' for clean & seamless navigation.



## 10-Point Multi-Touch Experience

It provides a more realistic sense of touch since it can recognize up to 10 simultaneous touches at once with no need of a separate pen.



## Highly Reliable Touch Experience

- Protection Glass with Anti Fog / Anti-Glare
- Ghost Free Multi-touch
- \* IR Spread : LG's own multi-touch technology



## LG'S IR-SPREAD BASED 10-POINT MULTI-TOUCH DISPLAY



### 84" ULTRA HD INTERACTIVE WHITE BOARD DISPLAY 84WT70PS

- Ultra HD (3,840 x 2,160)
- 10 point multi-touch
- Anti-Fog / Anti-Glare
- Compatible with MP700 Player in 84WT70MS(PS)
- IWB Software, Pen and Pen Tray bundled
- IR Spread Touch
- Protection Glass
- Landscape Mode



### 47"/42" ADVANCED 10 POINT MULTI-TOUCH DISPLAY LT55A

- Brightness : 450cd/m<sup>2</sup>
- 10 point multi-touch
- Anti-Fog / Anti-Glare
- Landscape & Portrait mode
- IR Spread based
- Protection Glass
- 24/7 Operation
- SuperSign Lite/W/C



### 55"/47"/42" 10 POINT MULTI-TOUCH DISPLAY WT30

- Brightness: 400 cd/m<sup>2</sup>, 350 cd/m<sup>2</sup> (55")
- IR Spread based
- Protection Glass
- 16/7 Operation
- SuperSign Lite/W/C
- 10 point multi-touch
- Anti-Fog / Anti-Glare
- Landscape & Portrait mode



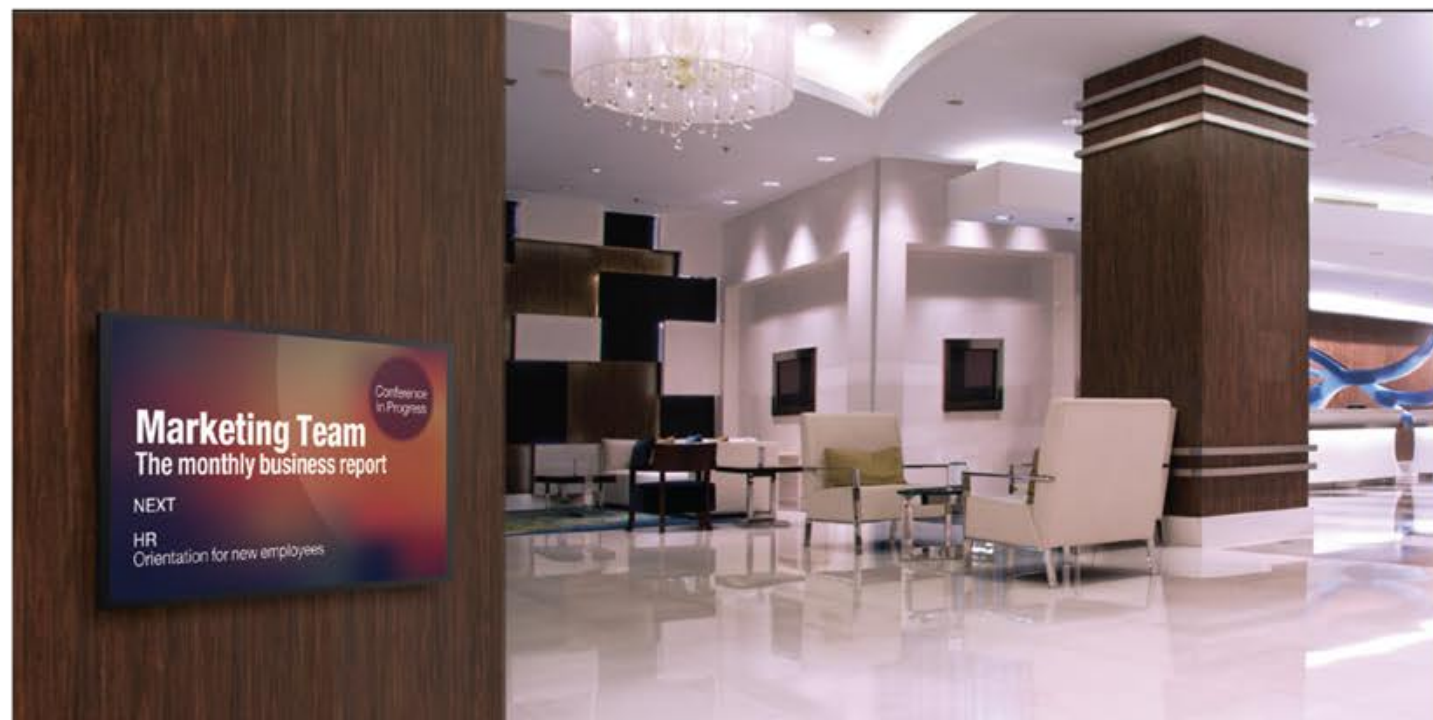
### 65"/55"/49"/43"/32" PERFECT FIT OVERLAY TOUCH KT-T Series

- Compatible Base Models
- KT-T320(32") : 32SE3B, 32SM5B
- \* 32SL5B not compatible with touch overlay
- KT-T430(43") : 43SE3B, 43SM3B, 43SL5B, 43SM5B
- KT-T490(49") : 49SE3B, 49SM3B, 49SL5B, 49SM5B
- KT-T550(55") : 55SE3B, 55SM3B, 55SL5B, 55SM5B
- KT-T650(65") : 65LS33A



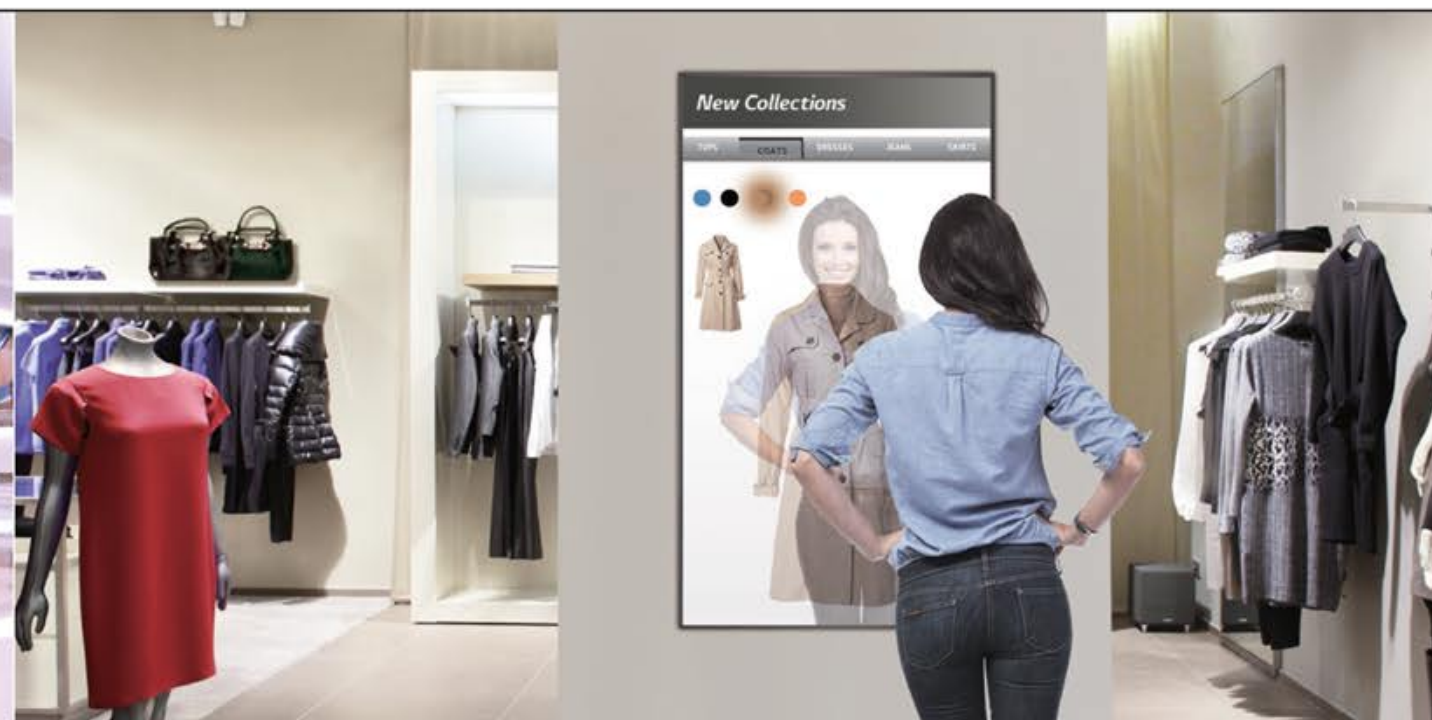
## Intuitive Information Delivery

Small Signage is suitable for small spaces to deliver promotional message and event information at in-store promotion rack, meeting rooms, and a conference hall, etc.



## Specialized Promotion Display

Mirror Signage is very useful and effective in hotels, gyms, beauty salons and shopping malls by exposing information to customers when they look at the mirror.



### Simple Installation

Installation has been simplified by removing the external media player and Ethernet/RS232C cables.



Built-in Wi-Fi : (removing Ethernet or RS232C cables)  
802.11n (2.4GHz/5GHz)

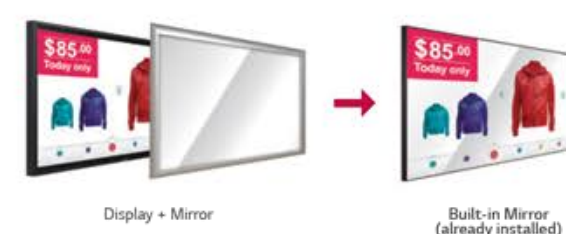
### BEACON

With Beacon and Bluetooth Low Energy (BLE) supported by 22SM3B, retail stores can provide coupons and information in real-time.



### Installation Convenience

No need for additional installations.



### Add Creative Options

Use sensors and contents for maximum exposure. Multi-touch, proximity sensors, gestures can be added by integrator/contents provider.

- increase contents exposure
- customizes according to shop environments

### 22" SMALL SIGNAGE with webOS 2.0

## 22SM3B

- webOS 2.0
- Brightness: 250cd/m<sup>2</sup>
- Depth : 53.8mm
- 18/7 Operation
- Landscape & Portrait mode
- Quad Core SoC built-in
- Bezel : 16.3mm (Even Bezel)
- Fail Over
- BEACON



### 49" MIRROR DISPLAY

## MS75A

- webOS
- Built-in Mirror
- Wi-Fi Dongle Ready / SNMP
- 24/7 Operation
- SuperSign Lite/W/C
- Brightness : 300cd/m<sup>2</sup>
- OPS Compatible
- Enhanced Fail-over
- Landscape & Portrait mode





# Clear Transparent & True Color Expression

With an IPS panel transparent display provides a superb wide viewing angle and accurate color while creating better clarity for an effective advertising showcase.



## Full HD

High picture quality with 1,920 x 1,080 resolution



Conventional (HD)

VS



LW55A (FHD)

## Low Power Consumption by M+

It has excellent energy-efficiency and cost-savings with the M+ panel, which decreases power consumption by 31% compared to the RGB panel!



## True Color (IPS)

LG IPS technology provides true vivid color than conventional display.



Conventional

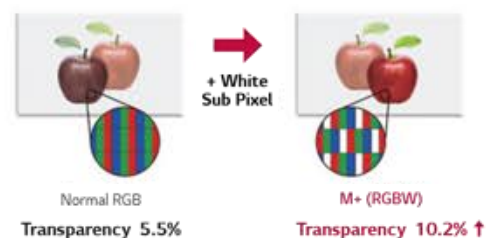
VS



LW55A (FHD)

## Higher Transparency

Perfect fit for window display by reflecting away the light for best image visibility and clearer display in bright lightening environment.



## 32" TRANSPARENT DISPLAY LW55A

- Transparency 5.9%
- Landscape & Portrait mode
- 24/7 Operation



## 47" TRANSPARENT DISPLAY TS50MF

- Narrow T-Con
- Transparency 6.4%
- Bezel width 39.95mm (T), 17.5mm (L/R/B)
- Compatible with AD board box TSP500
- Landscape & Portrait mode

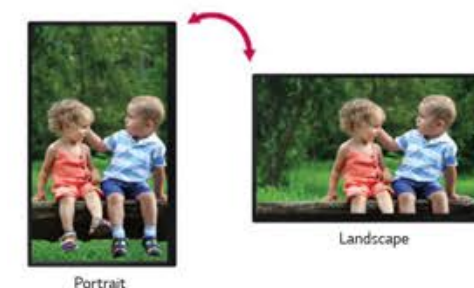
## Open Frame

Fits to any customer's needs and circumstances and with its open frame, it can be designed at an affordable price.



## Landscape & Portrait

Flexible usage in landscape or portrait orientation





## 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 3,840 x 2,160 @ 30 Hz (DP)
- Maximum Resolution 1,920 x 1,080 @ 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 2,560 x 1,600 @ 60 Hz (DP)
- Maximum Resolution 1,920 x 1,200 @ 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 HDx2
- Maximum Resolution 1,920 x 1,080 @ 60 Hz (DP)



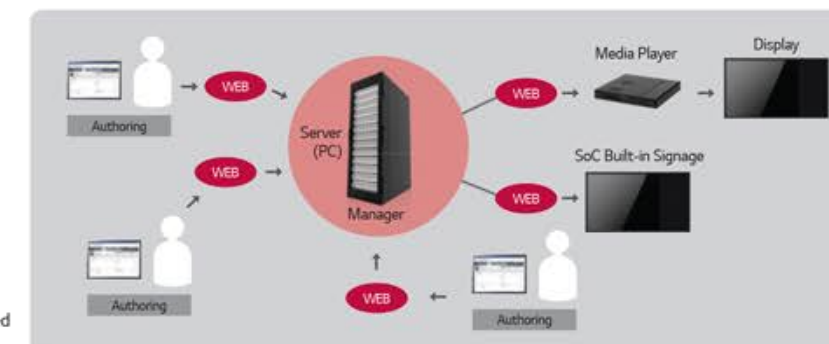
## WEB-BASED CONTENT AUTHORIZING AND OPERATION SOLUTION PLAYER

## SuperSign™ Lite

- Offered as a bundle with LG's external player and SuperSign embedded player
- Connections up to 50 clients
- Solution suitable for SMB
- Supports dual content editor in both PC app and web

## SuperSign™ W

- Licensed version
- Connections up to 1,000 clients
- Solution suitable for Enterprise
- Multi-User Account Management
- Supports dual content editor in both PC app and web



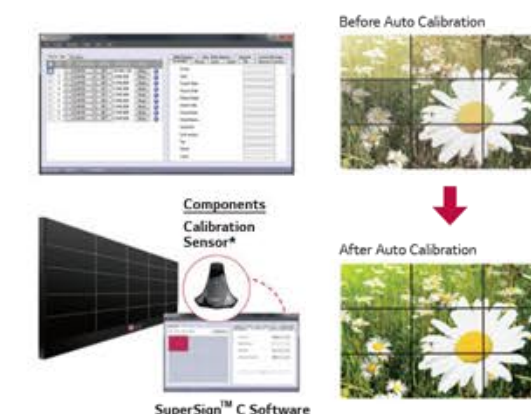
You can easily create, schedule and distribute the contents you want with various templates provided by SuperSign™ Lite and SuperSign™ W.

## MONITOR CONTROL &amp; WHITE BALANCE CALIBRATION

## SuperSign™ C

- Remote Monitor Control Solution
- Enhanced White Balance Calibration
  - Manual controls
  - Intuitive UX for efficient workflow
  - Fast calibration and gamma table creation

SuperSign C allows to control one or more monitors remotely via network and RS232 serial. To ensure the best optimized wall solution, Auto White Balance feature makes video wall be adjusted easily and intelligently.



## CONTENT MANAGEMENT SOFTWARE BY MOBILE DEVICE

## SuperSign™ M

- SuperSign™ M works by the server connection method.
- Edits and makes content scheduling and distributes it via mobile.

## Connection Method



## Supporting Mobile Spec.

Android	iOS
<ul style="list-style-type: none"> <li>• Version: Android 4.1 (Jellybean) ↑</li> <li>• Resolution: HD (1280x720), FHD (1920x1080)</li> </ul>	<ul style="list-style-type: none"> <li>• Version: iOS 7 ↑</li> <li>• Model: iPhone 5S/5C, 6/6 Plus</li> </ul>
* Portrait UI only Landscape will be supported *16	* iPad not Supported






















## WEB BASED EXTERNAL DATA CONNECTION

## SuperSign™ N
























- Web based application
- Pull the external data source to SuperSign™ content.





22"32"42"43"47"49"55"65"84"98"											
<div>ULTRA HD</div> <div>98LS95A</div> <div>84WS70MS/70BS</div> <div>UH5B</div>					<div></div> <div>49UH5B</div>		<div></div> <div>55UH5B</div>		<div></div> <div>65UH5B</div>	<div></div> <div>84WS70MS/70BS</div>	<div></div> <div>98LS95A</div>
<div>STANDARD</div> <div>SH7DB</div> <div>LS75A/LS73B</div> <div>SM5B/SM5KB</div> <div>SE3B/SE3KB</div> <div>SM3B</div> <div>SL5B</div> <div>LS33A</div>					<div></div> <div>49SH7DB</div>		<div></div> <div>55SH7DB</div>				
					<div></div> <div>49LS75A/ 49LS73B</div>		<div></div> <div>55LS75A/ 55LS73B</div>				
					<div></div> <div>49SM5B/5KB</div>		<div></div> <div>55SM5B/5KB</div>		<div></div> <div>65SM5B/5KB</div>		
					<div></div> <div>49SE3B/SE3KB</div>		<div></div> <div>55SE3B/SE3KB</div>		<div></div> <div>65SE3B/SE3KB</div>		
					<div></div> <div>49SM3B</div>		<div></div> <div>55SM3B</div>				
					<div></div> <div>49SL5B</div>		<div></div> <div>55SL5B</div>				
							<div></div> <div>55LS33A</div>		<div></div> <div>65LS33A</div>		



	29"	32"	42"	43"	47"	49"	55"	65"	72"	84"
<div>VIDEO WALL</div> <div>VH7B   LV SERIES</div>							 55VH7B 			
<div>HIGH BRIGHTNESS</div> <div>XS2B   XF2B WX SERIES</div>						 	 			
<div>INTERACTIVE</div> <div>WT SERIES   LT SERIES KT-T SERIES</div>			 42LT55A 		 47LT55A 					
										
<div>MIRROR</div>										
<div>STRETCHED</div>										
<div>TRANSPARENT</div> <div>32LW55A   47TS50MF</div>										



SPECIFICATIONS

			ULTRA HD				STANDARD SIGNAGE				
			98LS95A	84WS70MS / 70BS	UH5B	SH7DB	LS75A / LS73B			SM5B / SM5KB	SL5B
PANEL	Screen Size		98"	84"	65" / 55" / 49"	55" / 49" / 42"	55" / 49" / 42"		65" / 55" / 49" / 43" / 32"	55" / 49" / 43"	
	Panel Technology		IPS	IPS	IPS	IPS	IPS		IPS	IPS	
	Aspect Ratio		16:9	16:9	16:9	16:9	16:9		16:9	16:9	
	Native Resolution		3,840 x 2,160 (UHD)	3,840 x 2,160 (UHD)	3,840 x 2,160 (UHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)		1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	
	Brightness		500cd/m <sup>2</sup>	84WS70MS : 500cd/m <sup>2</sup> 84WS70BS : 350cd/m <sup>2</sup>	500cd/m <sup>2</sup>	700cd/m <sup>2</sup>	LS75A : 700cd/m <sup>2</sup> , LS73B : 500cd/m <sup>2</sup>		450cd/m <sup>2</sup> (32" : 400 cd/m <sup>2</sup> )	450cd/m <sup>2</sup>	
	Contrast Ratio		1,300:1	1,400:1	65" : 1,000:1, 55",49" : 1,100:1	1,300:1	1,300:1		1,100:1 (65" : 1,300:1)	1,100:1	
	Dynamic CR		500,000:1	500,000:1	4,000,000 : 1	500,000:1	500,000:1		4,000,000:1 (32" : 2,000,000:1)	500,000:1	
	Viewing Angle (H x V)		178 x 178	178 x 178	178 x 178	178 x 178	178 x 178		178 x 178	178 x 178	
Guaranteed Operating Hour		24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		24 Hours	18 Hours		
CONNECTIVITY	Input	Digital	HDMI(2), DP(1), DVI-D(1)	HDMI(2), DVI-D(1), Display Port(1) with HDCP for all input	HDMI(1), DP(1), DVI-D(1)	HDMI(1), DP(1), DVI-D(1)	HDMI(2), DP(1), DVI-D(1)		HDMI(1), DP(1), DVI-D(1)	HDMI(1), DVI(1)	
		Analog	No	RGB(1), Composite(1)	RGB(1)	RGB(1)	No		RGB	RGB	
		Audio	DVI-D, Component	RGB/DVI-D/AV	RGB/DVI	Yes	Yes		RGB/DVI	Yes	
		External Control	RS232C, RJ45, IR/Light Sensor	RS232C(1), RJ45(1), IR(1, Internal)	RS232C, RJ45, IR Receiver, Pixel Sensor	RS232C, RJ45, IR Receiver, Pixel Sensor(Optional)	RS232C, RJ45, IR/Light Receiver, Pixel Sensor		RS232C, RJ45, IR Receiver, Pixel Sensor	RS232C, RJ45, IR Receiver	
		USB	USB 3.0(1), USB 2.0(2)	USB 2.0(2)	USB 3.0(1)	USB(1)	USB(1)		USB 3.0(1)	USB(2)	
		SD Card	-	-	Yes(1)	-	-		Yes(1)	-	
	Output	Digital	DP(1)	DVI-D(1)	DP	DP	DP		DP	No	
		Analog		RGB(1)	No	No	No			No	
		Audio	SPDIF(1), External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out		(SM5B) Yes, External Speaker Out, (SM5KB) No	Yes, External Speaker Out	
		External Control	RS232C(1)	RS232C(1), IR(1, Internal)	RS232C(1)	RS232C(1)	RS232C(1)		RS232C(1)	RS232C(1)	
AUDIO	Auto Volume		No	No	No	No	No		No	No	
	Balance		Yes	Yes	Yes	Yes	Yes		Yes	Yes	
	Audio Power		20W(10W x 2) for External Speaker	20W(10W x 2)	20W(10W x 2) for External Speaker	20W(10W x 2) for External Speaker	20W(10W x 2) for External Speaker		(SM5B) 20W(10W x 2) for External Speaker, (SM5KB) 20W(10W x 2) for Internal Speaker	20W(10W x 2) for External Speaker	
	Speaker On/Off		Yes	Yes	Yes	Yes	Yes		Yes	Yes	
PHYSICAL SPECIFICATION	Bezel Width		14.9mm (Even bezel)	27.9mm (Even bezel)	65" : 12.1mm(T), 12.6mm(R/L), 15.7mm(B) 55" : 12.1mm(T), 12.6mm(R/L), 15.7mm(B) 49" : 11.9mm(T), 12.4mm(R/L), 15.5mm(B)	7.4mm (Even bezel)	7.4mm (Even bezel)		11.9mm(T/R/L), 18mm(B) (32" : 13mm(T/R/L), 18mm(B))	11.9mm(T/R/L), 18mm(B)	
	Monitor Dimension (W x H x D)		2191.8 x 1246.8 x 69.4 mm	1923 x 1109 x 51mm (Including Handle : 101mm)	65" : 1458.6 x 848.9 x 40.1mm 55" : 1239.8 x 725.2 x 38.6mm 49" : 1103.2 x 648.0 x 38.6mm	55" : 1230 x 714 x 32mm 49" : 1095 x 637 x 32mm 42" : 949 x 555 x 32mm	55" : 1230 x 714 x 32mm 49" : 1095 x 637 x 32mm 42" : 949 x 555 x 32mm		65" : 1456.9 x 838 x 41.1mm (SM5KB : 56.5mm) 55" : 1238 x 714.9 x 38.6mm (SM5KB : 54mm) 49" : 1102.2 x 638.5 x 38.6mm (SM5KB : 54mm) 43" : 969.6 x 563.9 x 38.6mm (SM5KB : 54mm) 32" : 729.4 x 428.9 x 55.5mm (SM5KB : 55.5mm)	55" : 1238 x 714.9 x 38.6mm 49" : 1102.2 x 638.5 x 38.6mm 43" : 969.6 x 563.9 x 38.6mm	
	Weight (head)		88kg	84WS70MS: 72.9kg / 84WS70BS: 72.8kg	65" : 26kg, 55" : 16.6kg, 49" : 13.3kg	55" : 20.7kg, 49" : 15.6kg, 42" : 12.5kg	55" : 20.7kg, 49" : 15.6kg, 42" : 12.5kg		(SM5B) 65" : 27.7kg, 55" : 17.3kg, 49" : 14.1kg, 43" : 9.8kg, 32" : 5.2kg (SM5KB) 65" : 27.9kg, 55" : 17.5kg, 49" : 14.3kg, 43" : 10kg, 32" : 5.4kg	55" : 17.3kg, 49" : 14.1kg, 43" : 9.8kg	
	Carton Dimensions (W x H x D)		2342 x 1386 x 402mm	2034 x 1213 x 314mm	65" : 1561 x 971 x 190mm 55" : 1330 x 807 x 170mm 49" : 1197 x 760 x 166mm	55" : 1330 x 815 x 174mm 49" : 1197 x 760 x 134mm 42" : 1045 x 645 x 127mm	55" : 1330 x 815 x 174mm 49" : 1197 x 760 x 134mm 42" : 1045 x 645 x 127mm		65" : 1561 x 977 x 190mm 55" : 1330 x 807 x 170mm 49" : 1197 x 760 x 166mm 43" : 1052 x 650 x 123mm 32" : 810 x 510 x 132mm	55" : 1330 x 807 x 170mm 49" : 1197 x 760 x 166mm 43" : 1052 x 650 x 123mm	
	Packed Weight		123kg	84WS70MS: 87.2kg / 84WS70BS: 87.1kg	65" : TBD, 55" : 20.5kg, 49" : 16.6kg	55" : 25.2kg, 49" : 18.7kg, 42" : 14.8kg	55" : 25.2kg, 49" : 18.7kg, 42" : 14.8kg		(SM5B) 65" : 33.6kg, 55" : 21.5kg, 49" : 17.2kg, 43" : 12.4kg, 32" : 6.5kg (SM5KB) 65" : 33.6kg, 55" : 21.5kg, 49" : 17.2kg, 43" : 12.6kg, 32" : 6.7kg	55" : 21.5kg, 49" : 17.2kg, 43" : 12.4kg	
	VESA™ Standard Mount Interface		800 x 400mm	600 x 400mm	300 x 300mm	400 x 400mm	400 x 400mm		400 x 400mm	300 x 300mm (43" : 200 x 200mm)	
ENVIRONMENT	Operation Temperature Range		0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C		0°C ~ 40°C	0°C ~ 40°C	
	Operation Humidity Range		10% to 80%	10% to 80%	10% to 80%	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	100-240V~, 50/60Hz		100-240V~, 50/60Hz	100-240V~, 50/60Hz	
	Power Consumption	Typical / Smart Energy Saving	400W / 280W	350W / 200W	65" : 130W/90W, 55" : 116W/80W, 49" : 100W/70W	55" : 140W/95W, 49" : 125W/80W, 42" : 110W/60W	55" : 140W/100W, 49" : 125W/90W, 42" : 110W/80W		65" : 120W/85W, 55" : 100W/70W, 49" : 85W/60W, 43" : 75W/55W, 32" : 60W/45W	55" : 85W/60W, 49" : 75W/55W, 43" : 65W/50W	
		DPM	2.0W(DVI-D, HDMI, DP)	1.5W	0.5W	0.7W(DP)	0.7W(DP)		0.5W	0.7W	
		Power Off	0.5W	0.5W	0.5W	0.5W	0.5W		0.5W	0.5W	
STANDARD (Certification)	Safety		UL / cUL / CB / TUV / KC	UL / cUL / CB scheme / TUV	UL / cUL / CB / TUV / KC	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" / VCCI / C-tick / CE / KCC	FCC Class "A" / CE / KCC	FCC Class "A" / CE / KCC	FCC Class "A" / CE / KCC		FCC Class "A" / CE / KCC	FCC Class "A" / CE / KCC	
MEDIA PLAYER COMPATIBILITY	ErP / Energy Star		NA / NA	Yes / NA	Yes / NA	Yes / Yes (Energy Star 6.0)	Yes / Yes (Energy Star 6.0)		Yes / Yes (Energy Star 6.0)	Yes / Yes (Energy Star 6.0)	
	OPS Type Compatible		No		Yes	Yes	Yes		Yes	No	
SOFTWARE COMPATIBILITY	External Media Player Attachable		Yes (MP500/MP700)	No	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes (MP500/MP700)		Yes (MP500/MP700), (32" : No)	Yes (MP500/MP700)	
	SuperSign W/C		No / Yes	No / Yes	Yes / Yes	Yes / Yes	Yes / Yes		Yes / Yes	Yes / Yes	
ACCESSORY	Basic		Remote Controller(include battery 2ea), Power Cord, IR/Light Sensor Receiver, CD(Owner's Manual, SuperSign Program / Manual), HDMI2.0 Cable, DP cable,Phone jack to BNC cable, RS-232C, Wi-Fi Dongle, EYE-80UT	Power Cord, Remote Controller (include battery 2ea), CD(Manual/Elite-C/ESG), Eye Bolt (2ea), DP Cable	Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, Memory Cover	Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver	Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver		Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, Memory Cover	Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver	
	Optional				Speaker(SP-5200), Stand(65" : ST-651T/ 55",49" : ST-201T), Pixel Sensor(KT-SPO), Media Player, Wall Bracket(LSW350B), VESA Adapter(AM-B330S), OPS Kit(KT-OPSA), HDBaseT(EB-B100)	SP-2100(External Speaker), ST-200T, LSW440S, AN-WF500(Wi-Fi USB Dongle), KT-OPSA(OPS Kits), KT-SPO(Pixel Sensor)	SP-2100(External Speaker), ST-200T, LSW440S, AN-WF500(Wi-Fi USB Dongle), KT-OPSA(OPS Kits), KT-SPO(Pixel Sensor)		Speaker(SP-5000), Stand(55",49" : ST-492T/ 43" : ST-432T/ 32" : ST-322T), Pixel Sensor(KT-SPO), Media Player(except 32"), Wall Bracket(65",55",49" : LSW350B/ 43",32" : LSW230B), VESA Adapter(AM-B330S)(except 32"), OPS Kit(KT-OPSA), HDBaseT(EB-B100)	Speaker(SP-5000), Stand(55",49" : ST-492T/ 43" : ST-432T/ 32" : ST-322T), Pixel Sensor(KT-SPO), Media Player(except 32"), Wall Bracket(65",55",49" : LSW350B/ 43",32" : LSW230B), VESA Adapter(AM-B330S)(except 32"), OPS Kit(KT-OPSA), HDBaseT(EB-B100)	



SPECIFICATIONS

			STANDARD SIGNAGE			VIDEO WALL				
			32SL5B	SE3B/SE3BK	SM3B	LS33A	VH7B	LV77A / LV75A	LV35A	
PANEL	Screen Size		32"	65" / 55" / 49" / 43" / 32"	55" / 49" / 43"	65" / 55" / 47" / 42" / 32"	55"	55"	55" / 47"	
	Panel Technology		IPS	IPS	IPS	IPS	IPS	IPS	IPS	
	Aspect Ratio		16:9	16:9	16:9	16:9	16:9	16:9	16:9	
	Native Resolution		1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	
	Brightness		450cd/m <sup>2</sup>	350cd/m <sup>2</sup> (65": 400 cd/m <sup>2</sup> )	350cd/m <sup>2</sup>	65": 350cd/m <sup>2</sup> , 55": 330cd/m <sup>2</sup> , 47"/42"/32": 300cd/m <sup>2</sup>	700cd/m <sup>2</sup>	LV77A : 700cd/m <sup>2</sup> , LV75A : 500cd/m <sup>2</sup>	55": 500cd/m <sup>2</sup> , 47": 450cd/m <sup>2</sup>	
	Contrast Ratio		1,300:1	1,100:1 (65": 1,300:1)	1,100:1	1,200:1 (65": 1,400:1)	1,400:1	1,400:1	55": 1,400:1, 47": 1,200:1	
	Dynamic CR		500,000:1	500,000:1	2,000,000:1	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	178 x 178	178 x 178	178 x 178	
	Guaranteed Operating Hour		24 Hours	18 Hours	18 Hours	16 Hours	24 Hours	24 Hours	24 Hours	
CONNECTIVITY	Input	Digital	HDMI(1), DVI(1), DP(1)	HDMI(1), DVI-D(1)	HDMI(1), DP(1), DVI-D(1)	HDMI(1)	HDMI(1), DP(1), DVI-D(1), OPS(1)	HDMI(1), DP(1), DVI-D(1)	HDMI(1), DVI-D(1)	
		Analog	RGB	RGB	RGB	RGB	RGB	RGB(1), AV(1)	RGB	
		Audio	Yes	Yes	RGB/DVI	Yes	Yes	Yes	Yes	
		External Control	RS232C, RJ45, Pixel Sensor	RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver, Pixel Sensor	RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver	RS232C(1), RJ45(1), IR Receiver(1)	RS232C, RJ45, IR Receiver	
		USB	USB (2)	USB(2)	USB 3.0(1)	Yes	USB 3.0(1), USB 2.0(1)	Yes(1)	USB (1)	
	Output	SD Card	-	-	Yes(1)	-	-	-	-	
		Digital	DVI	No	DP	No	DP	DP	DVI-D(1)	
		Analog	No	No	No	No	No	Yes	No	
		Audio	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out	Yes	Yes	Yes	
		External Control	RS232C(1)	RS232C(1)	RS232C(1)	RS232C(1)	RS232C(1), RJ45(1)	RS232C(1)	RS232C(1)	
AUDIO	Auto Volume		No	No	No	No	-	No	No	
	Balance		Yes	Yes	Yes	Yes	-	No	No	
	Audio Power		20W(10W x 2) for External Speaker	SE3B: 20W(10x2) for External Speaker / SE3KB: 20W(10x2) for Internal Speaker(6 ohm)	20W(10W x 2) for External Speaker	20W(10W x 2) for External Speaker	-	No	-	
	Speaker On/Off		Yes	Yes	Yes	Yes	-	No	No	
PHYSICAL SPECIFICATION	Bezel Width		18.9mm(T/R/L), 26mm(B)	11.9mm(T/R/L), 18mm(B) (32": 13mm(T/R/L), 18mm(B))	11.9mm(T/R/L), 18mm(B)	65": 14.1mm (L/R/T), 20.0mm(B), 55": 13.2mm(L/R/T), 18.7mm(B), 47": 13.2mm(L/R/T), 18.7mm(B), 42": 13.3mm(L/R/T), 18.8mm(B), 32": 15.1mm (L/R), 14.6mm(T), 18.6mm(B)	Under 2mm	2.25mm(L/T), 1.25mm(R/B)	55": 2.25mm(L/T) / 1.25mm(R/B), 47": 3.2mm(L/T) / 1.7mm(R/B)	
	Monitor Dimension (W x H x D)		740.4 x 442 x 35.6mm	65": 1456.9 x 838 x 41.1mm (SE3KB:56.5mm), 55": 1238 x 714.9 x 38.6mm (SE3KB:54mm), 49": 1102.2 x 638.5 x 38.6mm (SE3KB:54mm), 43": 969.6 x 563.9 x 38.6mm (SE3KB:54mm), 32": 729.4 x 428.9 x 55.5mm (SE3KB:55.5mm)	55": 1238 x 714.9 x 38.6mm, 49": 1102.2 x 638.5 x 38.6mm, 43": 969.6 x 563.9 x 38.6mm	65": 1462 x 843 x 58mm, 55": 1240.9 x 717.2 x 56.8mm, 47": 1071 x 621.6 x 55.8mm, 42": 959.5 x 559 x 55.5mm, 32": 730.9 x 430.1 x 55.5mm	1211.4 x 682.2 x 86.5mm	1213.4 x 684.2 x 88.5mm	55": 1213.4 x 684.2 x 88.5mm, 47": 1044.9 x 590 x 89.9mm	
	Weight (head)		8kg	(SE3B) 65": 27.7kg, 55": 17.3kg, 49": 14.1kg, 43": 9.8kg, 32": 5.2kg, (SE3KB) 65": 27.9kg, 55": 17.5kg, 49": 14.3kg, 43": 10kg, 32": 5.4kg	55": 17.3kg, 49": 14.1kg, 43": 9.8kg	65": 30.9kg, 55": 17.8kg, 47": 12.2kg, 42": 9.1kg, 32": 5.6kg	19.8kg	(LV77A) 23.2kg (LV75A) 23kg	55": 23kg, 47": 16.5kg	
	Carton Dimensions (W x H x D)		850mm x 585mm x 121mm	65": 1561 x 977 x 190mm, 55": 1330 x 807 x 170mm, 49": 1197 x 760 x 166mm, 43": 1052 x 650 x 123mm, 32": 810 x 510 x 132mm	55": 1330 x 807 x 170mm, 49": 1197 x 760 x 166mm, 43": 1052 x 650 x 123mm	65": 1548 x 942 x 176mm, 55": 1330 x 810 x 174mm, 47": 1150 x 710 x 152mm, 42": 1060 x 660 x 152mm, 32": 812 x 505 x 139mm	1353 x 855 x 263mm	1337 x 828 x 239mm	55": 1337 x 828 x 239mm, 47": 1164 x 765 x 239mm	
	Packed Weight		9.9kg	(SE3B) 65": 33.6kg, 55": 21.5kg, 49": 17.2kg, 43": 12.4kg, 32": 6.5kg, (SE3KB) 65": 33.8kg, 55": 21.7kg, 49": 17.3kg, 43": 12.6kg, 32": 6.7kg	55": 21.5kg, 49": 17.2kg, 43": 12.4kg	65": 36.8kg, 55": 22.8kg, 47": 15.9kg, 42": 11.8kg, 32": 7.1kg	25.0kg (TBD)	(LV77A) 30.5kg (LV75A) 30.3kg	55": 30kg, 47": 21.5kg	
	VESA™ Standard Mount Interface		200 x 200mm	300 x 300mm (43", 32": 200 x 200mm)	300 x 300mm (43": 200 x 200mm)	400 x 400mm (32": 200 x 200mm)	600 x 400mm	600 x 400mm	600 x 400mm	
	Operation Temperature Range		0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	
	Operation Humidity Range		10% to 80%	10% to 80%	10% to 80%	10% to 80%	10% ~ 90%	10% ~ 80%	10% to 80%	
POWER	Power Supply		100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	100-240V~, 50/60Hz	
	Power Consumption	Typical / Smart Energy Saving	65W/42W	65": 95W/70W, 55": 70W/55W, 49": 65W/50W, 43": 60W/45W, 32": 50W/35W	55": 80W/55W, 49": 70W/50W, 43": 60W/45W	65": 145W/95W, 55": 92W/60W, 47": 73W/50W, 42": 70W/45W, 32": 45W/30W	220W / 110W	(LV77A) 230W / 130W (LV75A) 160W / 130W	55": 160W / 90W, 47": 130W / 85W	
		DPM	0.7W	0.7W	0.5W	0.5W(RGB), 0.7W(HDMI)	0.7W	0.7W	0.7W	
		Power Off	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W	
STANDARD (Certification)	Safety		UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	UL / cUL / CB / TUV / KC	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 "A" / CE / KCC	FCC Class "A" / CE / KCC	FCC Class "B" / CE / KCC	FCC Class "A" / CE / KCC	
	ErP / Energy Star		Yes / Yes (Energy Star 6.0)	Yes / Yes (Energy Star 6.0), 65": Yes / NA	Yes / Yes (Energy Star 6.0)	Yes / Yes (Energy Star 6.0)	Yes / Yes (Energy Star 6.0)	Yes / Yes (Energy Star 6.0)	NA / Yes (Energy Star 6.0)	
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible		Yes	No	Yes	No	Yes	No	No	
	External Media Player Attachable		No	Yes (MP500/MP700), (32" No)	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes (MP500/MP700)	Yes	Yes	
SOFTWARE COMPATIBILITY	SuperSign W/C		Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	
ACCESSORY	Basic		Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver	Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, IR Receiver	Remote Controller(include battery 2ea), Power Cord, QSG, RGB Cable, Regulation Book, Phone to RS232C Gender, Memory Cover	Remote Controller(include battery 2ea), Power Cord, IR Receiver, CD(Owner's Manual, SuperSign Program / Manual), RGB Cable	Remote Controller, Power cable, DP Cable, Manual, IR Receiver, RS-232C Cable, LAN Cable, Guide Bracket, Screw	Remote Controller, Power Cable, DP Cable, Manual, IR Receiver, RS-232C Cable, Tiling Guide, Screw	Remote Controller, Power Cable, DVI Cable, Manual, IR Receiver, RS-232C Cable, Guide Bracket, Screw	
	Optional		Speaker(SP-2100), Stand(ST-320T), Wall Bracket(LSW200), OPS Kit(KT-OPSA)	Speaker(SP-5000)(SE3B only), Stand(55": ST-4521T/ 55"/49": ST-4921T/ 43": ST-4321T/32": ST-3221T), Media Player(except 32"), Wall Bracket(65"/55"/49": LSW350B/ 43": LSW230B/ 32": LSW230B), VESA Adapter(65"/55"/49": AM-8330S/ 43": AM-8220S)(except 32")	Speaker(SP-5000), Stand(55"/49": ST-4921T/ 43": ST-4321T), Pixel Sensor(KT-SP0), Media Player, Wall Bracket(55"/49": LSW350B/ 43": LSW230B), VESA Adapter(55"/49": AM-8330S/ 43": AM-8220S), OPS Kit(KT-OPSA), HDBaseT(EB-B100)	Speaker(SP-2100), Stand(65": ST-651Y/ 55"/47": ST-471T/ 42": ST-421T/ 32": ST-321T), Wall Bracket(65": LSW430B/ 55": LSW440S/ 47": LSW430B/ 42": LSW440S/ 32": LSW230B), AN-WF500(Wi-Fi USB Dongle)	Wall Mount(Landscape : WM-L640V, Portrait : WM-P640V) OPS Kit(KT-OPSA), HDBaseT(EB-B100)	WM-L640V(Landscape), WM-P640V(Portrait), Frame Kit(Horizontal : FK-55V10, Vertical : FK-55V20)	WM-L640V(Landscape), WM-P640V(Portrait), Frame Kit(Horizontal: 55": FK-55V10 / 47": FK-47V10), Vertical: 55": FK-55V20 / 47": FK-47V20)	



SPECIFICATIONS

			HIGH BRIGHTNESS				INTERACTIVE					
			XS2B	XF2B	72WX70MF	47WX50MF	84WT70PS			LT55A	WT30	KT-T SERIES
PANEL	Screen Size		55"	55"	72"	47"	84"			47" / 42"	55" / 47" / 42"	65" / 55" / 49" / 43" / 32"
	Panel Technology		IPS	IPS	IPS	IPS	IPS			IPS	IPS	
	Aspect Ratio		16:9	16:9	16:9	16:9	16:9			16:9	16:9	
	Native Resolution		1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	3,840 x 2,160 (UHD)			1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	
	Brightness		Min : 2250cd/m <sup>2</sup> , Typ : 2500cd/m <sup>2</sup>	Max : 2700cd/m <sup>2</sup> , Min: 2250cd/m <sup>2</sup> , Sustainability of brightness: 30,000Hrs	Max : 2000cd/m <sup>2</sup> , Min :1600cd/m <sup>2</sup>	Max : 2000cd/m <sup>2</sup> , Min :1600cd/m <sup>2</sup>	350cd/m <sup>2</sup> (300cd/m <sup>2</sup> With Glass Haze 5%)			450cd/m <sup>2</sup> (380cd/m <sup>2</sup> With Glass Haze 5%)	42"/47": 400cd/m <sup>2</sup> Typ 55": 350cd/m <sup>2</sup> Typ	N/A (20% brightness reduction with protection glass)
	Contrast Ratio		1,000:1(Typ)	1,000:1	1,200:1	1,300:1	1,400:1			1,300:1	1,000:1	
	Dynamic CR		500,000:1 (Typ)	500,000:1	500,000:1	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	178 x 178			178 x 178	178 x 178	
	Guaranteed Operating Hour		24 Hours	24 Hours	24 Hours	24 Hours	Landscape			Landscape & Portrait	Landscape & Portrait	Landscape & Portrait
CONNECTIVITY	Input	Digital	HDMI(2), DP(1), DVI-D(1)	HDMI(2), DP(1), DVI-D(1)	HDMI(1), DP(1), DVI-D(1)	HDMI(1), DP(1), DVI-D(1)	HDMI(2), DP(1), DVI(1)			HDMI(2), DP(1), DVI(1)	HDMI(1), DVI-D(1), DP(1)	
		Analog	No	No	RGB(1)	RGB(1) (Shared Component & AV)	RGB(1), AV(1)			RGB(1)	RGB(1)	
		Audio	Yes	Yes	Yes	Yes	Yes			Yes	Yes	
		External Control	RS232C, RJ45, IR Receiver	RS232C, RJ45, IR Receiver, Pixel Sensor	RS232C(1), RJ45(1), IR Receiver(1)	RS232C(1), RJ45(1)	RS232C(1), RJ45(1), IR Receiver(1, Internal)			RS232C(1), RJ45(1), IR Receiver(1)	RS232C(1), RJ45(1), IR Receiver(1)	
		USB	USB(1)	USB(1)	USB(1)	USB(1)	USB(2)			USB(1)	USB(1)	USB
		SD Card	-	-	-	-	-			-	-	
	Output	Digital	DP(1)	DP(1)	DVI-D(1)	DVI-D(1)	DVI-D(1)			No	No	
		Analog	No	No	No	RGB(1)	RGB(1)			No	No	
		Audio	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out	Yes, External Speaker Out			Yes, External Speaker Out	Yes, External Speaker Out	
External Control		RS232(1)	RS232C(1)	RS232C(1)	RS232C(1)	RS232C(1)			RS232C(1)	RS232C(1)		
AUDIO	Auto Volume		No	No	No	No	No			No	No	
	Balance		Yes	Yes	Yes	Yes	Yes			Yes	Yes	
	Audio Power		20W(10W x 2) for External Speaker	20W(10W x 2) for External Speaker	20W(10W x 2)	20W(10W x 2)	20W(10W x 2)			20W(10Wx2)	20W(10W x 2)	
	Speaker On/Off		Yes	Yes	Yes	Yes	Yes			Yes	Yes	
PHYSICAL SPECIFICATION	Bezel Width		11.4mm(L/R),13.5mm(T/B)	9.9mm(L/R),12mm(T/B)	29.7mm (Even bezel)	11mm (Even bezel)	34mm (Even bezel)			15mm (Even bezel)	15mm (Even bezel)	27mm (Even bezel)
	Monitor Dimension (W x H x D)		1238.4 x 712.4 x 89mm	1235.4 x 709.4 x 106mm	1654.5 x 956.5 x 139.5mm	1078.8 x 665.5 x 157mm	1951 x 1137 x 112mm			47": 1102.7 x 647.8 x 71.2mm(Head Only) 47": 1102.7 x 647.8 x 84.2mm(with MP500) 42": 990.9 x 585 x 72mm(Head Only) 42": 990.9 x 585 x 85mm(with MP500)	55": 1273 x 743 x 100mm 47": 1103 x 648 x 101mm 42": 991 x 585 x 950mm	65": 1485.5 x 859.5 x 23.5mm (Max 62.1mm) 55": 1266 x 739 x 23.5 mm (Max 60mm) 49": 1132 x 660 x 23.5mm (Max 60mm) 43": 997 x 586 x 23.5 mm (Max 60 mm) 32": 756 x 449 x 23.5 mm (Max 75.7 mm)
	Weight (head)		25.6kg	27kg	54.5kg	23.9kg	102.6kg			47": 23.8kg, 42": 20.5kg	55": 28kg, 47": 20.5kg, 42": 15.9kg	65": 18.5kg, 55": 9.7 kg, 49": 8kg, 43": 6.5kg, 32": 4.1kg
	Carton Dimensions (W x H x D)		1366 x 228 x 800mm	1336 x 241 x 810mm	1770 x 285 x 1120mm	1198 x 765 x 285mm	2050 x 1261 x 330mm			47": 1203 x 790 x 190mm 42": 1074 x 720 x 190mm	55": 1369 x 890 x 210mm 47": 1203 x 790 x 190mm 42": 1074 x 720 x 190mm	65": 1548 x 942 x 176mm 55": 1420 x 980 x 185mm 49": 1285 x 810 x 185mm 43": 1150 x 735 x 185mm 32": 900 x 600 x 185mm
	Packed Weight		30.7kg	32kg	64.5kg	29.1kg	118.0kg			47": 28.3kg, 42": 24.6kg	55": 32.7kg, 47": 24.3kg, 42": 19.6kg	65": 21.9kg, 55": 15.4kg, 49": 13.6kg, 43": 11.4kg, 32": 7.6kg
	VESA™ Standard Mount Interface		600 x 400mm	600 x 400mm	NA	NA	600 x 400mm, M8			400 x 400mm	400 x 400mm (42": 200 x 200mm)	
ENVIRONMENT	Operation Temperature Range		0 °C to 45 °C	0 °C to 50 °C	0°C – 50°C	0°C – 40°C	0 °C to 40 °C			0°C – 40°C	0°C – 40°C	0 °C to 40 °C
	Operation Humidity Range		10 % to 80 %	10 % to 80 %	10% to 80%	10% to 80%	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	100-240V~, 50/60Hz			100-240V~, 50/60Hz	100-240V~, 50/60Hz	USB
	Power Consumption	Typical / Smart Energy Saving	220W(Max 250)	230W(Max 340W) / 100 W	1000W(Max 1300W) / 400W	Max 300W / 170W	350W / 200W			47": 125W / 90W 42": 120W / 80W	55": 140W / No 47": 100W / No 42": 90W / No	1.31W (65": 2.5W)
		DPM	0.7W(DP), 1.0W(DVI-D, HDMI)	0.7W(DP), 1.0W(DVI-D, HDMI)	2.0W	0.7W	1.5W			0.7W	0.5W(RGB), 0.7W(DVI-D, HDMI, DP)	
		Power Off	0.5W	0.5W	1.0W	0.5W	0.5W			0.5W	0.5W	
STANDARD (Certification)	Safety		UL / CB scheme	RU / CB scheme	RU / CB scheme	RU / CB Scheme / TUV	UL, cUL, CB scheme, TUV			UL / cUL / CB Scheme / TUV	UL / cUL / CB Scheme	
	EMC		FCC Class "A" / CE / KCC	FCC Class "A" / CE / KCC	FCC Class "A" / CE / KCC / C-Tick / VCCI	FCC Class "A" / CE / KCC	FCC Class "A", VCCI, C-tick, CE, KCC			FCC Class "A" / VCCI / C-tick / CE / KCC	FCC Class "A" / VCCI / CE / KCC	
	ErP / Energy Star		NA / NA	NA / NA	NA / NA	NA / NA	NA / No			NA / Yes(Energy Star 6.0)	NA / Yes(Energy Star 6.0)	
MEDIA PLAYER COMPATIBILITY	Slot PC Compatible		No	No	No	No	Yes (MP500, MP700)			Yes	No	
	External Media Player Attachable		No	No	No	No	No			No	Yes (NC1100 / NA1100 / NA1000)	
SOFTWARE COMPATIBILITY	SuperSign W/C		Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	No / Yes			Yes / Yes	Yes / Yes	
ACCESSORY	Basic		Remote Controller(including battery 2ea), Power Cord, IR Extension Cable/PCB, CD(Owner's Manual), HDMI Cable, Manual, Handle, Screw	Remote Controller(including battery 2ea), Power Cord, IR Extension Cable/PCB, CD(Owner's Manual), HDMI Cable, Manual, Handle, Screw	Remote Controller, Power Cable, RGB Cable, Manual, ESG, IR Extension Cable/PCB, Enclosure Installation Guide	Remote Controller, Power Cable, RGB Cable, Manual	Power Cord, Remote Controller(include battery 2ea), CD(Manual/Touch Screen SW/ESG), Eye Bolt(2ea), USB Cable, Pen Tray, Cable Tie(2ea), Screw(6ea, to fix Eye-Bolt Bracket & Pen tray), DP Cable			Power Cord, RGB Cable, Wired IR Receiver, USB Cable, Remote Controller, Manual, ESG	IR Dongle, USB Cable, RGB Cable, CD(Manual&SW), Remote Controller(with Battery)	65": Manual(Overlay), CD(Writing S/W), Pen(2ea), Tray, Install Accessories
	Optional		LSW630(Wall Mount) ** Stand is not available	KT-SPO ** Stand is not available	No	No	Media Player MP700/MP500, SP-2100(External Speaker), LSW630			AP-WX60 / AP-WX70 (Wall Mount), SP-2100(Speaker), MP500(Media Player) ** Stand is not available	No	



SPECIFICATIONS

		SMALL SIGNAGE	MIRROR	TRANSPARENT	CONTENT PLAYER						
		22SM3B	49MS75A	32LW55A	47TS50MF	MP700		MP500-B	MP500-F		
PANEL	Screen Size	21.5"	48.5"	31.55"	46.96"	Dimensions (W x H x D)		260 x 40.1 x 275.9mm	260 x 40.1 x 275.9mm	260 x 40.1 x 275.9mm	
	Panel Technology	IPS	IPS	IPS	IPS	Weight		Only Set 2.3kg (SSD Suffix), 2.4kg (HDD Suffix)	2.08kg (Only Set)	2kg (Only Set)	
	Aspect Ratio	16:9	16:9	16:9	16:9	Carton Dimension (W x H x D)		332 x 99 x 345mm (Set Box)	300 x 99 x 345mm (Set Box)	300 x 99 x 345mm (Set Box)	
	Native Resolution	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	1,920 x 1,080 (FHD)	CPU		Intel Core i5-3610ME 2.7GHz (Dual Core) Intel Core i7-3610QE 2.9GHz (Quad Core)	Intel Core i5-520M Processor 2.40GHz (Dual Core)	Intel Celeron Processor N2093 1.83GHz / 2.16GHz (Burst) (Dual Core)	
	Brightness	250cd/m <sup>2</sup>	300cd/m <sup>2</sup> (700cd/m <sup>2</sup> without mirror glass)	5.9% (Typ)	6.4% (Typ)	Chip Set		Mobile Intel® QM77	Mobile Intel® QM57 Express Chipset	Mobile Intel® Bay-Trail M Chipset	
	Contrast Ratio	1,000:1	1,000:1	1,200:1	1,200:1	Main Memory		DDR3 1333 2 SODIMM	DDR3 1333 2,048 MB SODIMM Type	DDR3L 1066 2,048 MB SODIMM Type	
	Dynamic CR	4,000,000:1	150,000:1			Graphic		AMD Radeon™ E6760 with 1GB VRAM	N/A	N/A	
	Viewing Angle (H x V)	178 x 178	178 x 178	178 x 178	178 x 178	Storage		SATA SSD 32G/64G, 2.5" 1TB HDD	N/A	N/A	
Guaranteed Operating Hour	18 Hours	24 Hours	24 Hours		Secondary Storage Device			SATA SSD 8G (Option : 16G, 32G, 64G)	SATA SSD 16G (Option : 32G)		
CONNECTIVITY	Input	Digital	HDMI(1)	HDMI(2), OPS, DP(1), DVI(1)	LVDS(1)	D/S		Windows Embedded Standard7 Professional (64bit)	Windows Embedded Standard09, Windows Embedded Standard7 Professional (32bit)	Windows Embedded Standard7 Professional (32bit)	
		Analog	RGB	No		Graphic Performance		Ultra HD Cloning (by DP with HBR2), Full HD Display (by DP port 4ea)	Full HD x 2	Full HD x 2	
		Audio	Audio In(RGB)	Yes(1)		Connectivity		Intel® 82579LM Gigabit (10 / 100 / 1000 Mbps) Ethernet PHY	Intel® 82577LM Gigabit (10 / 100 / 1000 Mbps) Ethernet PHY	Realtek RTL8111F (10 / 100 / 1000 Mbps) Ethernet Controller	
		External Control	RS232C(1), IR(Built-In), Pixel Sensor(1)	RS232C(1), RJ45(1), IR/Light Sensor(1), Pixel Sensor(1)		Input		USB Port	USB 2.0 x 2EA, USB 3.0 x 1EA	Hi-Speed USB 2.0 port 480 Mbps rate (x4) 480 Mbps rate (x3), Super Speed USB 3.0 port 5.0 Gbps rate (x1)	
		USB	USB 3.0(1)	USB 2.0(1)		4-in-1 Card			N/A	N/A	
	SD Card				PCI Express Card Slot			N/A	N/A		
	Output	Digital	No	DP(1)		Mini PCI Express Socket			Internally Ready	Supported	
		Analog	No	No		Serial Port			RS232c Out x 1ea	Supported	
Audio		Yes, External Speaker Out(Built-In)	Yes, External Speaker Out		Display Out			DP with HBR2 x 2ea, DP1.1 x 2ea / RGB - out	DP / HDMI (DP does not support Digital Audio)	DP*For HDMI, need HDMI Kit(KT-H00)	
AUDIO	External Control		No	RS232C(1)		Line Out			1ea	Supported	
						SPDIF (Digital Audio Out)			N/A	No	
						Resolution			Maximum Resolution : 3840 x 2160 @ 30 Hz (DP) Maximum Resolution : 1920 x 1080 @ 75 Hz (RGB)	Maximum Resolution : 2560 x 1600 @ 60 Hz (DP) 1920 x 1200 @ 60 Hz (HDMI) Recommended Resolution : 1920 x 1080 @ 60 Hz	Maximum Resolution : 1920 x 1080 @ 60 Hz (DP) Recommended Resolution : 1920 x 1080 @ 60Hz
						Power			Rated Voltage AC 100-240V~, 50/60Hz, 1.8A	Rated Voltage AC 100-240V~, 50/60Hz, 1.8A	Rated Voltage AC 100-240V~, 50/60Hz, 1.8A
	Auto Volume	Yes	No		Operation Temperature			5°C to 40°C	5°C to 40°C	5°C to 40°C	
	Balance	No	Yes		Operation Humidity			10% to 80%	10% to 80%	10% to 80%	
	Audio Power	2W(1W x 2) for Internal Speaker	20W(10W x 2)		Storage Temperature			-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	
	Speaker On/Off	No	Yes		Storage Humidity			5% to 95%	5% to 95%	5% to 95%	
PHYSICAL SPECIFICATION	Bezel Width	16.3mm (Even bezel)	8.4mm (Even bezel)	83.05mm(T), 17.5mm(B/L/R)	39.95mm(T), 17.5mm(B/L/R)	Etc.		UHD (AVC/H.264 30p, Avg. Bit Rate : 80(5) / 120(7)) Decoding / Play; Full HD 4ea Decoding / Playing, Ultra HD Cloning by DP with HBR2, Full HD 4ea Display by DP Port 4ea			
	Monitor Dimension (W x H x D)	510.3 x 302.1 x 53.8mm	1095 X 625.2 X 37.3mm	743.2 x 504.2 x 11.2mm	1084.48 x 653.02 x 11.2mm						
	Weight (head)	3.6kg	22kg	2.6kg	2.9kg						
	Carton Dimensions (W x H x D)	565 x 357 x 103mm	1330 x 810 x 174mm	834 x 570 x 114mm	1109 x 760 x 125mm						
	Packed Weight	4.7kg	25.3kg	3.8kg	6.3 kg						
ENVIRONMENT	VESA™ Standard Mount Interface	100 x 100mm	400 x 400mm								
	Operation Temperature Range	0 °C to 40 °C	0 °C to 40 °C	0 °C to 40 °C	0°C - 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								
	Power Consumption	Typical / Smart Energy Saving	35W / On 25.13W, Off 29.76W	125W / 95W	7.2 W(Typ.)(12V Input)	6.1W(Typ.)(12V Input)					
		DPM	0.7W	0.7W (DVI-D, HDMI, DP)							
STANDARD (Certification)	Power Off	0.5W	0.5W								
	Safety	UL / cUL / CB / TUV	UL / cUL / CB / TUV / KC								
	EMC	FCC Class "B" / CE	FCC Class "A" / CE / KCC								
MEDIA PLAYER COMPATIBILITY	ErP / Energy Star	NA / NA	NA / Yes (Energy Star 6.0)								
	Slot PC Compatible	No	No								
SOFTWARE COMPATIBILITY	External Media Player Attachable	No	Yes (MP500/MP700), KT-OPSA								
	SuperSign W/C	Yes/Yes	Yes/Yes								
ACCESSORY	Basic	Remote Controller (include 2ea batteries), Power Cord, QSG, RGB Cable, Phone to RS232C Gender	Remote Controller(include battery 2ea), Power Cord, IR/Light Sensor Receiver, CD(Owner's Manual), HDMI Cable	CD Manual(1), Book Manual(1)	CD Manual(1), Book Manual(1)						
	Optional	Pixel Sensor (KT-SP0)	SP-2100, ST-200T, LSW440S, AN-WF500(Wi-Fi USB Dongle), KT-OPSA(OPS Kits), KT-SP0	-	-						



## GLOBAL NETWORK

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