Innovation for a Better Learning Experience
LG Commercial Display Solutions
Education
LG COMMERCIAL DISPLAY SOLUTIONS FOR EDUCATION

**Application Scenes**

**School**

LG Digital Signage offers the ideal solution for various educational environments. LG's product line-up is optimized for schools and other educational institutions and can effectively deliver educational content and information across your institution or campus. This line-up includes Built-in Touch and Overlay Touch that transform standard signage into touch screens, SuperSign TV software to make content management easy, and the capability to create large Video Walls with stunning picture quality in spacious environments.

**Class Room (Inside)**

**Interactive**

LG Digital Signage maximizes two-way communication through touch screen and allows you to add interactivity to standard signage using touch overlay systems.

- Built-in Touch - UHD Large Multi-Touch: 84TR3B, 84WT70 - Multi-Touch: WT30
- Overlay Touch - Overlay Touch: KTT Series - Compatible Signage: SM5B/SM5KB, SL5B, SE3B/SE3KB, LS3A

**Small Signage**

With its compact screen size, LG's small signage enables you to deliver information anywhere.

22SM3B

**Class Room (Outside)**

**Video Wall**

Video Walls maximize immersion by providing huge screens in large spaces, increasing your chances of attracting customers.

- Narrowest Bezel
  - U77A, U75A, U73A
- High Brightness
  - WV7MS, WV5MS

**Auditorium**

**SuperSign™ TV**

SuperSign™ TVs effectively manage content and deliver various information.

LX540S

**Cafeteria**

**SuperSign™ TV**

LX530S

**IT Room**

**SuperSign™ Software**

The SuperSign software line-up allows you to manage the firmware and content on displays all around campus from a centralized location.

SuperSign Lite/W
SuperSign C
SuperSign M
SuperSign N
Interactive white board to maximize learning experience

**Interactive**

Along with its excellent information delivery capabilities, the interactive line-up provides immersive picture quality and performance optimized for learning environments to create a better experience and encourage active participation.

### Key Features

#### Ultra HD Large Screen

**Ultra HD Resolution (3,840 x 2,160)**

The large Ultra-HD screen delivers an immersive viewing experience.

**4K Upscaler**

LG’s up-scaling and super resolution technologies enhance the quality of FHD content to near UHD levels.

#### Built-in Touch

**84TR3B**
- 84”
- Built-in Multi-Touch
- Ultra HD: 3,840 x 2,160
- 4K Upscaler
- Anti-glace
- 10 Point Multi-Touch
- Ghost-Free Touch (IR Spread)
- Media Player Ready (MP700, MP500)
- SuperSign C, IWB Software

**84WT70**
- 84”
- Built-in Multi-Touch
- Ultra HD: 3,840 x 2,160
- Anti-glace
- 10 Point Multi-Touch
- Ghost-Free Touch (IR Spread)
- Media Player Ready (MP700, MP500)
- SuperSign C, IWB Software

**WT30**
- 55”, 47”, 42”
- Built-in Multi-Touch
- Full HD: 1,920 x 1,080
- 10 Point Multi-Touch
- Landscape & Portrait Mode
- 15mm Even Bezel
- SuperSign Lite/W/C

#### 5mm Reliable Touch Experience

The 5mm protection glass on the 84TR3B provides durability against external impacts that may occur in educational institutions.

#### Built in Touch

The touch overlay seamlessly attaches to the screen, ensuring that no dust can get between it and the screen to cause a malfunction.
The multi-touch function can be added to existing displays without affecting the sleek, clean look of the bezel.

### Multi-Touch with Slim Bezel

The multi-touch can recognize up to 10 touches at once to provide a more realistic experience without the need for a separate pen.

### Key Features

#### Multi-Touch with Slim Bezel

- Adds multi-touch without affecting the bezel's appearance
- Recognizes up to 10 touches

#### 10 Point Multi-Touch

- Provides a realistic experience
- No need for a separate pen

### KT-T Series

- 65”, 55”, 49”, 43”, 32”
- 10 Point Multi-Touch
- 27mm Even Bezel

### KT-T550 (55”)

- Brightness: 450cd/m²
- Quad Core Soc Built-in
- 16/7 Operation
- Landscape & Portrait Mode
- Remote Control (RS232C, RJ45)
- Detachable Logo, Cable Management, Built-in IR Receiver
- Wi-Fi Dongle Ready, SNMP
- SuperSign Lite/WiC
- OPX Kit

### KT-T550-3KB (55”)

- Built-in Speaker (10W x 10W)

### KT-T490 (49”)

- Brightness: 400cd/m²
- Quad Core Soc Built-in
- 16/7 Operation
- Landscape & Portrait Mode
- Remote Control (RS232C, RJ45)
- Detachable Logo, Cable Management, Built-in IR Receiver
- Wi-Fi Dongle Ready, SNMP
- SuperSign Lite/WiC
- OPX Kit

### KT-T430 (43”)

- Built-in Speaker (10W x 10W)

### KT-T320 (32”)

- Built-in Speaker (10W x 10W)

### SE3B/SE3KB

- 55”, 49”, 43”, 32”
- Built-in Speaker (10W x 10W)
- Built-in Wi-Fi, Soft AP, BEACON
- SuperSign Lite/WiC

### 32SL5B

- Not compatible with touch overlay

### Standard Performance

- SM5B/SM5KB
- SL5B
- SM3B
- SE3B/SE3KB

### Standard Essential

- LS33A

### Compatible Signage

- SM5B/SM5KB
- SL5B
- SM3B
- SE3B/SE3KB
- LS33A

### Compatible Products

- KT-T550 (55”)
- KT-T550-3KB (55”)
- KT-T490 (49”)
- KT-T430 (43”)
- KT-T320 (32”)

### KT-T Series

- 65”, 55”, 49”, 43”, 32”
- 27mm Even Bezel
- 10 Point Multi-Touch

### Overlay Touch

- KT-T650 (65”) : 65LS33A
- KT-T650-3KB (65”) : 65LS33A
- KT-T550 (55”) : 55SE3B, 55SM3B, 55S3M3, 55SM5B
- KT-T550-3KB (55”) : 55SE3B, 55SM3B, 55S3M3, 55SM5B
- KT-T490 (49”) : 49SE3B, 49SM3B, 49S3M3, 49SM5B
- KT-T490-3KB (49”) : 49SE3B, 49SM3B, 49S3M3, 49SM5B
- KT-T430 (43”) : 43SE3B, 43SM3B, 43S3M3, 43SM5B
- KT-T430-3KB (43”) : 43SE3B, 43SM3B, 43S3M3, 43SM5B
- KT-T320 (32”) : 32SE3B, 32SM5B
- KT-T320-3KB (32”) : 32SE3B, 32SM5B

### LS33A

- 65”
- Built-in Speaker (10W x 10W)
- Built-in Wi-Fi, Soft AP, BEACON
- Remote Control (RS232C, RJ45)
- 16/7 Operation
- Landscape & Portrait Mode
- Embedded Media Player
- SuperSign Lite/WiC
Immerison with overwhelming scalability

**Video Wall**

With its ultra-slim bezel, LG video walls generate impressive images and provide incredible expandability and visual immersion to suit various venues, such as auditoriums and concert halls.

**Key Features**

**Ultra Narrowest Bezel**

The ultra narrowest bezel video wall enables the overall image of video wall to be much closed to a single screen.

**Clear Viewing Angle**

LG Video Wall 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.

**Narrowest Bezel**

<table>
<thead>
<tr>
<th>Model</th>
<th>Screen Size</th>
<th>Brightness</th>
<th>Bezel Size</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>VH7B</td>
<td>55”</td>
<td>700 cd/m²</td>
<td>Less than 2.0mm</td>
<td>Quad Core SoC, Built-in, Landscape &amp; Portrait Mode, Remote Control</td>
</tr>
<tr>
<td>LV77A</td>
<td>55”</td>
<td>700 cd/m²</td>
<td>3.5mm</td>
<td>Quad Core SoC, Built-in, Remote Control (RS232C, RJ45), SuperSign Lite/W/C</td>
</tr>
<tr>
<td>LV75A</td>
<td>55”</td>
<td>700 cd/m²</td>
<td>3.5mm</td>
<td>Quad Core SoC, Built-in, Remote Control (RS232C, RJ45), SuperSign Lite/W/C</td>
</tr>
<tr>
<td>LV35A</td>
<td>55”, 47”</td>
<td>500 cd/m² (55”), 450 cd/m² (47”)</td>
<td>4.9mm (47”), 3.5mm (55”)</td>
<td>Quad Core SoC, Built-in, Remote Control (RS232C, RJ45), SuperSign Lite/W/C</td>
</tr>
<tr>
<td>WV50MS</td>
<td>47”</td>
<td>800 cd/m²</td>
<td>5.3mm</td>
<td>Quad Core SoC, Built-in, Remote Control (RS232C, RJ45), SuperSign Lite/W/C</td>
</tr>
</tbody>
</table>

*Available in September 2015
The small signage allows you to easily convey information such as agendas or class programs anywhere using only a network connection.

**Key Features**

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

- **webOS**
  - The webOS 2.0 platform provides easy and convenient tools to create content. LG's SDK* and technical support make content development and management easier than ever before.

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**SuperSign™ TV**

You can easily create and manage content to suit your campus, and even use it for advertisements or menus in restaurants and cafeterias.

**Key Features**

- **LX540S**
  - 60", 55", 49"
  - SuperSign Lite/W/C
  - 350cd/m\(^2\) (60"), 330cd/m\(^2\) (55"), 300cd/m\(^2\) (49"
  - Built-in Speakers and TV Tuner
  - Wi-Fi Dongle Ready, USB Plug & Play
  - Fail Over
    - Welcome Screen/Video, Lock Mode
    - One Channel Map, IR Out(RS-232C), USB Cloning, USB Auto Play Back
  - Line-up Differ by Region

- **LX530S**
  - 42", 32H"
  - SuperSign Lite/W/C
  - Brightness : 300cd/m\(^2\)
  - Built-in Speakers and TV Tuner
  - Wi-Fi Dongle Ready, USB Plug & Play
  - Fail Over
    - Welcome Screen/Video, Lock Mode
    - One Channel Map, IR Out(RS-232C), USB Cloning, USB Auto Play Back
  - Line-up Differ by Region

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**Simple Connectivity**

With its built-in SoC and Wi-Fi dongle support, LG signage is easy to install. Furthermore, LG signage doesn’t need external media players or Ethernet/RS232C cables, so its total cost of ownership (TCO) is significantly less than competing products.

**Fail Over**

The USB fail over function enables content to be displayed without dead spots when no input signal is available. It supports files in JPG format with a maximum file size of 10MB.

**Content Management**

The SuperSign™ Solution includes the SuperSign Lite, W, and C software to provide digital media editing, scheduling, distribution, and management capabilities. By installing SuperSign W on a server, you can manage up to 1000 TVs.
**WEB-BASED CONTENT AUTHORING 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

**MONITOR CONTROL & 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 IPS/232 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

**WEB BASED EXTERNAL DATA CONNECTION**

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

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**LG Interactive White Board Software**

- Application software for school and business
- Integration of board page and application
- Character recognition function
- GUI for FHD/JHD resolution
- Compatible Base Models: 84TR3B, 84W770, KT-T650

**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 2 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 HD x 2
- Maximum Resolution 1,920 x 1,080 @ 60 Hz (DP)