The SM5KE series provides dynamic content with clear picture quality, enhancing advertising effectiveness and helping to generate demand for your brand and products. LG webOS 4.0 Smart Platform has not only been optimized to develop and run a variety of customized apps, but user convenience has been enhanced with intuitive UI and value-added functions.
Versatile Performance with a User-friendly Smart Platform

SM5KE

User-Friendly Smart Platform

Simple Set-up & Customization
The LG webOS 4.0 smart signage platform supports HTML5 as a web-based platform and offers an SDK (Software Development Kit), so System Integrators can easily build and execute their own apps. Also, it is easy to use with intuitive menu and usable without instructions, as all of signage-related functions can be indexed in one menu.

Embedded Content Management
The embedded CMS (Content Management System) allows you to edit and play content, schedule a playlist and even group and control signage via remote control, mouse or even mobile phone, without needing a separate PC or software. This makes content management much easier and user-friendly.

* The scenes are simulated for illustrative purposes. Actual GUI may differ from the accompanying image.
** All displays must be connected to the same network.
Versatile Performance with a User-friendly Smart Platform

SM5KE

Content Display and Management

Multi Screen Mode

PBP (Picture-By-Picture) and PIP (Picture-In-Picture) feature gives a chance to compose up to 2 divided split screen on landscape or portrait display format. This gives great flexibility to users to allocate space for each content source.

Video Streaming

SM5KE series can play real-time streaming content by supporting various types of IP video streaming protocols such as RTSP/RTP/HLS and UDP Multicast*.

This easy-to-manage content system is free from capacity limits for content playback and can provide live broadcasts in real time.

* RTSP (Real-Time Streaming Protocol)
  RTP (Real-Time Transport Protocol)
  HLS (HTTP Live Streaming)
  UDP (User Datagram Protocol) Multicast
Versatile Performance with a User-friendly Smart Platform

SM5KE

Powerful Wireless Capabilities

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

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

Wireless Access Point
The SM5KE series operates as a virtual router which can be an wireless access point for mobile devices.
Versatile Performance with a User-friendly Smart Platform

SM5KE

Reliable Operation

Quick Web Access via Proxy Server
Web access speed and security can be improved by supporting proxy server. Managers can not only block unwanted websites, but also quickly access to resources using caches.

Secured Network Communication
HTTPS* protocol support ensures secure communication between clients and servers. Content or documents using HTTPS can be shared and displayed on digital signage, so owners can protect their critical business assets from unwelcome pirates.

* HTTPS: Hypertext Transfer Protocol over Secure Socket Layer
Versatile Performance with a User-friendly Smart Platform

SM5KE

Value-added Offerings

Thermal Printer Supported
Users can easily enable the thermal printer solution* by plugging a USB into the display. This can function as a ticketing machine for various locations such as restaurants, movie theaters, banks and airports.

Real-time Care Service
The maintenance gets easier and faster with an optional service Signage 365 Care, a cloud service solution provided by LG service. It remotely manages status of displays in client workplaces for fault diagnosis and remote-control services, ensuring the stable operation of a client’s business.

* Supported model: NIPPON PRIMEX (NP-3511, NP-3611)
Versatile Performance with a User-friendly Smart Platform

SM5KE

Industrial Design

Detachable Logo & Built-in Speaker
The detachable logo allows for installation in the desired orientation in landscape or portrait mode, making it easy for the user to arrange the signage. Also, sound can be played from built-in speakers, giving advertisements greater impact.

Conformal Coating
Electronics products can be often unavoidably exposed to dust and water during maintenance. LG applies a conformal coating on major circuit boards to minimize such circumstances by protecting against dust, iron powder, humidity, etc.
**Dimension**

55” / 49” / 43” / 32”

**Connectivity**

55” / 49” / 43” / 32”

- 1: HDMI IN 1
- 2: HDMI IN 2
- 3: HDMI IN 3
- 4: USB 3.0
- 5: RS232C IN
- 6: RS232C OUT
- 7: AUDIO IN
- 8: AUDIO OUT
- 9: IR & LIGHT SENSOR
- 10: DP IN
- 11: DP OUT
- 12: LAN
- 13: DVI-D IN
### Specifications

<table>
<thead>
<tr>
<th>Screen Size</th>
<th>55&quot;</th>
<th>49&quot;</th>
<th>43&quot;</th>
<th>32&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Technology</td>
<td>IPS</td>
<td>IPS</td>
<td>IPS</td>
<td>IPS</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
<td>16:9</td>
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<tr>
<td>Native Resolution</td>
<td>1,920 x 1,080 (FHD)</td>
<td>1,920 x 1,080 (FHD)</td>
<td>1,920 x 1,080 (FHD)</td>
<td>1,920 x 1,080 (FHD)</td>
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<tr>
<td>Brightness</td>
<td>450 nits</td>
<td>450 nits</td>
<td>450 nits</td>
<td>400 nits</td>
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<tr>
<td>Contrast Ratio</td>
<td>1,100:1</td>
<td>1,100:1</td>
<td>1,100:1</td>
<td>1,100:1</td>
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<tr>
<td>Viewing Angle</td>
<td>178° × 178°</td>
<td>178° × 178°</td>
<td>178° × 178°</td>
<td>178° × 178°</td>
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<tr>
<td>Response Time</td>
<td>12 ms (G to G) / 9.0 ms (WDT)</td>
<td>12 ms (G to G) / 10.1 ms (WDT)</td>
<td>12 ms (G to G) / 9.4 ms (WDT)</td>
<td>10 ms (G to G) / 7.1 ms (WDT)</td>
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<tr>
<td>Surface Treatment</td>
<td>Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 16 [Typ.])</td>
<td>Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 16 [Typ.])</td>
<td>Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 16 [Typ.])</td>
<td>Hard Coating (3H), Anti-glare Treatment of the Front Polarizer (Haze 16 [Typ.])</td>
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<tr>
<td>Life time (Typ.)</td>
<td>50,000 Hrs</td>
<td>50,000 Hrs</td>
<td>50,000 Hrs</td>
<td>50,000 Hrs</td>
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<tr>
<td>Orientation</td>
<td>Landscape &amp; Portrait</td>
<td>Landscape &amp; Portrait</td>
<td>Landscape &amp; Portrait</td>
<td>Landscape &amp; Portrait</td>
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<tr>
<td>Operation Hours</td>
<td>24 Hrs</td>
<td>24 Hrs</td>
<td>24 Hrs</td>
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</table>

#### CONNECTIVITY

<table>
<thead>
<tr>
<th>Input</th>
<th>HDMI (3), DP, D-Vesa, USB 3.0</th>
<th>HDMI (3), DP, D-Vesa, USB 3.0</th>
<th>HDMI (3), DP, D-Vesa, USB 3.0</th>
<th>HDMI (3), DP, D-Vesa, USB 3.0</th>
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<tbody>
<tr>
<td>Output</td>
<td>DP (SDI), Audio (Off/Variable)</td>
<td>DP (SDI), Audio (Off/Variable)</td>
<td>DP (SDI), Audio (Off/Variable)</td>
<td>DP (SDI), Audio (Off/Variable)</td>
</tr>
<tr>
<td>External Control</td>
<td>RS232C In/out, RJ45 In, IR Receiver In</td>
<td>RS232C In/out, RJ45 In, IR Receiver In</td>
<td>RS232C In/out, RJ45 In, IR Receiver In</td>
<td>RS232C In/out, RJ45 In, IR Receiver In</td>
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<tr>
<td>VESA Standard Mount Interface</td>
<td>300 x 300 mm / 300 x 300 mm / 200 x 200 mm / 200 x 200 mm</td>
<td>300 x 300 mm / 300 x 300 mm / 200 x 200 mm / 200 x 200 mm</td>
<td>300 x 300 mm / 300 x 300 mm / 200 x 200 mm / 200 x 200 mm</td>
<td>300 x 300 mm / 300 x 300 mm / 200 x 200 mm / 200 x 200 mm</td>
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<tr>
<td>Bezel Color</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
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<tr>
<td>Bezel Width</td>
<td>11.9 mm (T/R/L), 18 mm (B)</td>
<td>11.9 mm (T/R/L), 18 mm (B)</td>
<td>11.9 mm (T/R/L), 18 mm (B)</td>
<td>11.9 mm (T/R/L), 18 mm (B)</td>
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<tr>
<td>Monitor Dimension</td>
<td>48.7” x 28.4” x 2.1” / 1238 x 714.9 x 54 mm</td>
<td>43.4” x 25.1” x 2.1” / 1102 x 638.5 x 54 mm</td>
<td>38.6” x 22.2” x 2.1” / 969 x 563.9 x 54 mm</td>
<td>28.7” x 16.9” x 2.2” / 729 x 428.9 x 55.5 mm</td>
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<tr>
<td>Weight (Head)</td>
<td>38.6 lbs / 17.5 kg</td>
<td>31.5 lbs / 14.3 kg</td>
<td>28.7 lbs / 12.6 kg</td>
<td>19.9 lbs / 5.4 kg</td>
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<tr>
<td>Weight (Head-stand)</td>
<td>45.9 lbs / 20.8 kg</td>
<td>38.8 lbs / 17.6 kg</td>
<td>28.7 lbs / 12.6 kg</td>
<td>13.7 lbs / 6.2 kg</td>
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<td>Carton Dimension</td>
<td>52.4” x 31.8” x 6.7” / 1330 x 607 x 166 mm</td>
<td>47.1” x 29.9” x 6.5” / 1197 x 660 x 166 mm</td>
<td>41.4” x 25.6” x 6.5” / 1052 x 650 x 133 mm</td>
<td>32.1” x 20.1” x 5.2” / 810 x 510 x 132 mm</td>
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<td>Packed Weight</td>
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<td>38.5 lbs / 17.4 kg</td>
<td>27.8 lbs / 12.6 kg</td>
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<td>IPS</td>
<td>IPS</td>
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<td>Panel Type</td>
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<td>100-240V~/50-60Hz</td>
<td>100-240V~/50-60Hz</td>
<td>100-240V~/50-60Hz</td>
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<tr>
<td>Power Consumption</td>
<td>Smart Energy Saving</td>
<td>Smart Energy Saving</td>
<td>Smart Energy Saving</td>
<td>Smart Energy Saving</td>
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<tr>
<td>Safety</td>
<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
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<td>EMC</td>
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<td>FCC Class ‘A’ / CE / KC</td>
<td>FCC Class ‘A’ / CE / KC</td>
<td>FCC Class ‘A’ / CE / KC</td>
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<td>ERP Energy Star</td>
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<td>N/A / Yes (Energy Star 7.0)</td>
<td>N/A / Yes (Energy Star 7.0)</td>
<td>N/A / Yes (Energy Star 7.0)</td>
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<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
<td>IEC 60950-1 / EN 60950-1 / UL 60950-1</td>
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</table>

### MEDIA PLAYER COMPATIBILITY

<table>
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<tr>
<th>Code</th>
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<th>49SM5KE</th>
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<tr>
<td>OPS Type</td>
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<td>Yes</td>
<td>Yes</td>
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<td>External Media Player Attachable</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Content Management Software</td>
<td>SuperSign CMS</td>
<td>SuperSign CMS</td>
<td>SuperSign CMS</td>
<td>SuperSign CMS</td>
</tr>
<tr>
<td>Control and Monitoring Software</td>
<td>SuperSign Control /Control</td>
<td>SuperSign Control /Control</td>
<td>SuperSign Control /Control</td>
<td>SuperSign Control /Control</td>
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</tbody>
</table>

### ACCESSORIES

| Optional | Stand (ST-492T), Media Player, Wall Bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HDBaseT (EB-8100), Touch Overlay (KT-155E) | Stand (ST-492T), Media Player, Wall Bracket (LSW350B), VESA Adapter (AM-B330S), OPS Kit (KT-OPSA), HDBaseT (EB-8100), Touch Overlay (KT-149E) | Stand (ST-432T), Media Player, Wall Bracket (LSW230B), VESA Adapter (AM-B220S), OPS Kit (KT-OPSA), HDBaseT (EB-8100), Touch Overlay (KT-143B) | Stand (ST-322T), Media Player, Wall Bracket (LSW230B), VESA Adapter (AM-B220S), OPS Kit (KT-OPSA), HDBaseT (EB-8100), Touch Overlay (KT-132E) |

* Network Based Control ** Compatibility may differ by equipment.