



**U** LG Business Solutions

#### Transparent OLED Touch Signage EW5TK-A

# See Beyond, LG Transparent OLED Touch Signage

1,531.29 (+0.44)



Astonishing Transparency



Color with Great Depth



Product Reliability

Intuitive

P-Cap Touch

#### EW5TK-A

| Screen Size                   | 55"                                       |
|-------------------------------|---|
| Panel Technology              | OLED                                      |
| Native Resolution             | 1,920 × 1,080 (FHD)                       |
| Brightness<br>(without glass) | 400 nits (APL 25%)<br>150 nits (APL 100%) |
| Contrast Ratio                | 150,000 : 1                               |
| Response Time                 | 1 ms (G to G), 8 ms (MPRT)                |
| Portrait / Landscape          | Yes / Yes                                 |

## A New Level of See-through View

Imagination becomes reality

LG Transparent OLED Signage illuminates spaces that once were hidden away behind the display, completely harmonizing with its surroundings.

Boasting vivid and clear colors with high transparency, this display provides visual enhancements to objects placed behind it, giving viewers an impressive "wow" factor.

Not only that, this display can respond to the viewer's touch, which has great potential for various applications where customer interactions are required.





#### Accurate and Vivid Colors

Featuring self-lighting pixels, the display maintains vivid colors and high contrast ratio even when the display becomes transparent. It brings content to life from wide viewing angles, and the content blends into its surroundings virtually seamlessly and naturally.



#### Intuitive P-Cap Touch

By adding P-Cap touch sensor film to the display, possibilities expand to various industries where customer interaction services are in demand. Users could enjoy its fascinating content using their fingertips with no lag.



#### High Transparency

LG's OLED technology makes the Transparent OLED Touch Signage have slimmer structure without a backlight unit or a liquid crystal layer, achieving 33% transparency even with its P-Cap touch film. While clearly showing objects behind the screen, it overlays the relevant information in front, creating an amazing effect.



#### Protective Tempered Glass

To prevent potential damage or scratches, the tempered front glass protects product from such external impacts, and its antishatter glass is designed to minimize risk in the event of extreme damage.

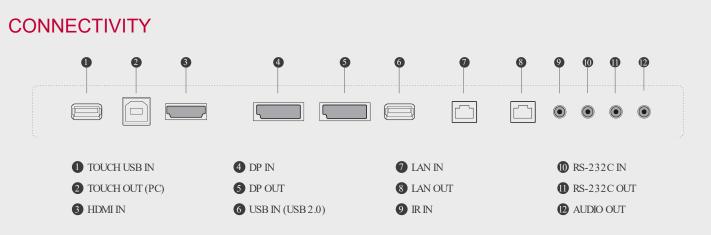
\* OCR: Optically Clear Resin



### Expandable Design

LG Transparent OLED Touch Signage is designed as a semi-assembled display, meaning you can install it in various ways to fit into existing structures and spaces. With a variety of forms of installation\*, it can complement virtually any venue in which it is installed.

 $\ensuremath{^*}$  Installation accessories are not supplied by LG.



\* All images are for illustrative purposes only.



#### SPECIFICATIONS

|   | Screen  | Size  | 55″   |
|---|---|---|---|
|   | Panel T   | echnology   | OLED  |
|   | Native  | Resolution  | 1,920 × 1,080 (FHD)   |
| Panel   | Brightn   | ess   | 150 / 400 nit (APL 100% / 25%, Without Glass)   |
|   | Contras   | t Ratio   | 150,000 : 1   |
|   | Dynami  | ic CR <sup>1)</sup>   | No  |
|   | Color G   | amut  | BT709 120%  |
|   | Viewing   | g Angle (H × V)   | 178° × 178°   |
|   | Color D   | epth  | 1.07 Billon Colors (10 bit (R))   |
|   | Response Time   |   | 1 ms (G to G), 8 ms (MPRT)  |
|   | Surface   | Treatment (Haze)  | Hard Coating (2 H)  |
|   | Operati   | ion Hours (Hours/Day)   | 18 / 7 (Moving Content Only)  |
|   | Portrait / Landscape  |   | Yes / Yes   |
| Connectivity  | Input   |   | HDMI (HDCP 1.4), DP (HDCP 1.3), RS-232C In, RJ45 (LAN), IR In (External IR Receiver),<br>USB 2.0 Type A, USB 2.0 Type A (Touch Control Board Only)  |
|   | Output  |   | DP Out, Audio Out, Touch USB (USB 2.0 Type B), RS-232C Out (w / IR Out), RJ45 (LAN)   |
| Mechanical<br>Specification   | Bezel C   | olor  | Matt Silver   |
|   | Bezel Width   |   | 7.9 / 7.9 / 7.9 / 144.5 mm (T/R/L/B)  |
|   | Weight (Head)   |   | 12.9 kg (Head)<br>3.4 kg (Signage Box)  |
|   | Monitor Dimension (W $\times$ H $\times$ D)                                       |   | 1,225.5 × 832.9 × 7.4 mm (Head)<br>782.8 × 238.4 × 34.7 mm (Signage Box)  |
|   | I   |   | ), Sensor (Temperature Sensor), webOS 4.0, Embedded CMS (Local Contents Scheduling, Group Manager),   |
| Key Feature   |   | USB Plug & Pl   | <ul> <li>Kay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br/>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,</li> <li>Kurrent Connected<sup>®2)</sup>, Power (PM Mode, Wake on LAN), HDMI-CEC<sup>3)</sup>, SI Server Setting, Pro:Idiom</li> </ul>  |
| invironment   |   | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)   | lay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected <sup>®21</sup> ), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3)</sup> , SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C  |
| nvironment  | Operati   | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity   | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected <sup>®21</sup> ), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> ), SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%   |
| invironment   | Operati<br>Power S  | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply   | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected <sup>®21</sup> ), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> ), SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz   |
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| nvironment<br>Conditions<br>Power<br>Power<br>onsumption  | Operati<br>Power S<br>Power T<br>Typ. / N<br>BTU (Br<br>Safety                    | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply<br>Type<br>Aax.   | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected <sup>®21</sup> ), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> ), SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz<br>Built-in Power<br>280 W / 300 W<br>955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)<br>IEC 60950-1 / EN 60950-1 / UL 60950-1   |
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| Accessory   | Operati<br>Power S<br>Power 1<br>Typ. / N<br>BTU (Br<br>Safety<br>EMC<br>ErP / Er | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply<br>Type<br>Max.<br>ritish Thermal Unit)<br>hergy Star<br>English, Fren<br>Swedish, Fi<br>Available Object Size for Touch<br>Reponse Time  | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected <sup>®2</sup> ), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> ), SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz<br>Built-in Power<br>280 W / 300 W<br>955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)<br>IEC 60950-1 / EN 60950-1 / UL 60950-1<br>FCC Class "A" / CE / KC<br>Yes / No<br>verSign CMS, SuperSign Control / Control+, SuperSign Media Editor, LG ConnectedCare <sup>4</sup> )<br>ch, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil),<br>nnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic<br>Remote Control, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS-232C Gender,<br>MCX / Harness Cables (3,000 mm × 4 ea / 3,000 mm × 2 ea for Connection between Panel and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>A to B Type USB Cable (Touch Out), Screw (M4 × L22, 12 ea / M4 Nut 12 ea / M3 × L5.5, 8 ea / M3 × L3.5, 20 ea]<br>Shield Cover Assy', Rubber Damper 4 ea, Touch Cable Holder 2 ea, MCX Cable Holder 4 ea<br>≥ 0.12 mm<br>≤ 120 ms  |
| Accessory<br>Special  | Operati<br>Power S<br>Power 1<br>Typ. / N<br>BTU (Br<br>Safety<br>EMC<br>ErP / Er | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply<br>Type<br>Max.<br>ritish Thermal Unit)<br>hergy Star<br>English, Fren<br>Swedish, Fi<br>Available Object Size for Touch<br>Reponse Time<br>Accuracy  | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected®2), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> , SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz<br>Built-in Power<br>280 W / 300 W<br>955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)<br>IEC 60950-1 / EN 60950-1<br>FCC Class "A" / CE / KC<br>Yes / No<br>verSign CMS, SuperSign Control / Control+, SuperSign Media Editor, LG ConnectedCare <sup>4</sup> )<br>ch, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil),<br>nnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic<br>Remote Control, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS-232C Gender,<br>MCX / Harness Cables (3,000 mm × 4 ea / 3,000 mm × 2 ea for Connection between Touch and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>A to B Type USB Cable (Touch Out), Screw (M4 × L22, 12 ea / M4 Nut 12 ea / M3 × L3.5, 8 ea / M3 × L3.5, 20 ea)<br>Shield Cover Assy', Rubber Damper 4 ea, Touch Cable Holder 2 ea, MCX Cable Holder 4 ea<br>≥ 0.12 mm<br>≤ 120 ms<br>3.5 mm   |
| nvironment<br>Conditions<br>Power<br>Power<br>onsumption<br>ertification<br>Software<br>ompatibility<br>Language<br>Accessory               | Operati<br>Power 1<br>Typ. / N<br>BTU (Br<br>Safety<br>EMC<br>ErP / Er            | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply<br>Type<br>Max.<br>itish Thermal Unit)<br>hergy Star<br>Sup<br>English, Fren<br>Swedish, Fi<br>Available Object Size for Touch<br>Reponse Time<br>Accuracy<br>Interface   | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected®2)), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> ), SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz<br>Built-in Power<br>280 W / 300 W<br>955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)<br>IEC 60950-1 / EN 60950-1<br>FCC Class "A" / CE / KC<br>Yes / No<br>erSign CMS, SuperSign Control / Control+, SuperSign Media Editor, LG ConnectedCare <sup>4</sup> )<br>ch, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil),<br>nnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic<br>Remote Control, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS-232C Gender,<br>MCX / Harness Cables (3,000 mm × 4 ea / 3,000 mm × 2 ea for Connection between Touch and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>A to B Type USB Cable (Touch Out), Screw (M4 × L22, 12 ea / M4 Nut 12 ea / M3 × L3.5, 8 ea / M3 × L3.5, 20 ea)<br>Shield Cover Assy', Rubber Damper 4 ea, Touch Cable Holder 2 ea, MCX Cable Holder 4 ea<br>$\geq 0.12$ mm<br>$\leq 120$ ms<br>3.5 mm<br>USB 2.0   |
| nvironment<br>Conditions<br>Power<br>Power<br>onsumption<br>Certification<br>Software<br>ompatibility<br>Language<br>Accessory<br>Special   | Operati<br>Power 1<br>Typ. / N<br>BTU (Br<br>Safety<br>EMC<br>ErP / Er            | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply<br>Type<br>Max.<br>ritish Thermal Unit)<br>hergy Star<br>Sup<br>English, Fren<br>Swedish, Fi<br>Available Object Size for Touch<br>Reponse Time<br>Accuracy<br>Interface<br>Active Pen Interface                        | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected®2), Power (PM Mode, Wake on LAN), HDMI-CEC <sup>3</sup> , SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz<br>Built-in Power<br>280 W / 300 W<br>955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)<br>IEC 60950-1 / EN 60950-1 / UL 60950-1<br>FCC Class "A" / CE / KC<br>Yes / No<br>erSign CMS, SuperSign Control / Control+, SuperSign Media Editor, LG ConnectedCare <sup>4</sup> )<br>ch, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil),<br>nnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic<br>Remote Control, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS-232C Gender,<br>MCX / Harness Cables (3,000 mm × 4 ea / 3,000 mm × 2 ea for Connection between Panel and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Panel and Signage Box),<br>A to B Type USB Cable (Touch Out), Screw (M4 × L22, 12 ea / M4 Nut 12 ea / M3 × L5.5, 8 ea / M3 × L3.5, 20 ea)<br>Shield Cover Assy', Rubber Damper 4 ea, Touch Cable Holder 2 ea, MCX Cable Holder 4 ea<br>≥ 0.12 mm<br>≤ 120 ms<br>3.5 mm<br>USB 2.0<br>N / A   |
| invironment<br>Conditions<br>Power<br>Power<br>onsumption<br>Certification<br>Software<br>compatibility<br>Language<br>Accessory<br>Special | Operati<br>Power 1<br>Typ. / N<br>BTU (Br<br>Safety<br>EMC<br>ErP / Er            | USB Plug & Pl<br>3 <sup>rd</sup> Party Compatibilit<br>ion Temperature (°C)<br>ion Humidity<br>Supply<br>Type<br>Aax.<br>ritish Thermal Unit)<br>hergy Star<br>English, Fren<br>Swedish, Fi<br>Available Object Size for Touch<br>Reponse Time<br>Accuracy<br>Interface<br>Active Pen Interface<br>Protection Glass Thickness | ay, Fail Over, Video Tag (4), Rotation (Screen Rotation), Gapless Playback, Setting Data Cloning,<br>SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager,<br>ty (Crestron Connected®2), Power (PM Mode, Wake on LAN), HDMI-CEC3), SI Server Setting, Pro:Idiom<br>32°F to 104°F / 0°C to 40°C<br>10% to 80%<br>AC 100-240 Vac, 50/60 Hz<br>Built-in Power<br>2000 W 300 W<br>955 BTU/Hr (Typ.), 1023 BTU/Hr (Max)<br>IEC 60950-1 / EN 60950-1<br>IEC 60950-1 / EN 60950-1<br>FCC Class "A" / CE / KC<br>Yes / No<br>verSign CMS, SuperSign Control / Control+, SuperSign Media Editor, LG ConnectedCare <sup>4</sup> )<br>ch, German, Spanish, Italian, Korean, Chinese (Simplified), Chinese (Original), Portugues (Brazil),<br>nnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic<br>Remote Control, Power Cord, QSG, IR Receiver, Regulation Book, Phone to RS-232C Gender,<br>MCX / Harness Cables (3,000 mm × 4 ea / 3,000 mm × 2 ea for Connection between Panel and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>HDMI Cable (3 M) Micro to A type USB Cable (3 M (TBD) for Connection between Touch and Signage Box),<br>A to B Type USB Cable (Touch Out), Screw (M4 × L22, 12 ea / M4 Nut 12 ea / M3 × L3.5, 20 ea)<br>Shield Cover Assy', Rubber Damper 4 ea, Touch Cable Holder 2 ea, MCX Cable Holder 4 ea<br>≥ 0.12 mm<br>Sign Sign Sign Sign Sign Sign Sign Sign |

<sup>1)</sup> The luminosity ratio of Full Black / Full White color on video input condition.

<sup>2)</sup> Network based control.

<sup>3)</sup> Compatibility may differ by equipment.

<sup>4)</sup> The availability can differ by region.

\* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

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