IPS Direct LED
Super Narrow Bezel
Video Wall

- 55WV70MS-B
- 55WV70BS-B
- 55WV70MD-BL

55” class (54.6” measured diagonally)

Features

IPS In Plane Switching

Super IPS accurately display an image’s quality and color at an 178° ultra wide viewing angle. There is no fall-off in color accuracy and no diversion in contrast ratio at wide angles. From bright sunlight to the most challenging lighting environments these displays are designed to reproduce and maintain the ultimate color temperature for lifelike images.

SHINE OUT

Shine Out is a film that covers the screen and is perfect for public outdoor spaces in areas that have a high amount of ambient light, including shopping malls, window displays, lobbies, outdoor transportation centers and quick service restaurant drive-through kiosks.

ULTRA NARROW BEZEL WIDTH

The WV series with super slim bezel widths of 3.4mm (left/top)/1.9mm (right/bottom) create a powerful and impactful video wall that can easily be installed, maintained and managed.

AUTO CALIBRATION

Built-in software uniformly calibrates and adjusts color and brightness automatically to each display in a video wall.

Specifications

3D (FPR Type) (55WV70MD only)

Native Display Resolution 1920 X 1080 (FHD)

Shine Out Film for better visibility (55WV70MS-B Only)

High Brightness 800 cd/m² (55WV70MS-B)
500 cd/m² (55WV70BS-B)
450 cd/m² | 2D, 170 cd/m² | 3D (55WV70MD-BL)

Contrast Ratio 1,400:1 (Typ.), 500,000:1 (DCR)

Super IPS 178° Viewing Angle viewing angle and life expectancy enhanced in portrait and landscape mode

Viewing Angle and Life Expectancy Portrait and Landscape Mode

RGB, DVI, HDMI and DP

RJ-45 LAN Control

RS-232C Control

Convenient External Speaker-Out

Energy Star® 5.1 compliant

Smart Energy Saving

Split Zoom (Self Video Wall) Up to 15 x 15 matrix - Tile mode

Bezel Width 3.4mm (left/top)/1.9mm (right/bottom)

Convenient Handle

Temperature Sensor

USB Playback

3-Year Limited Warranty Parts/Labor/Backlight
Superb Picture Quality

**NO BLACKENING DEFECT**
Display has a built-in temperature control that adjusts to light and heat eliminating dark or blackened areas.

If the outdoor temperature is 86°F, the surface temperature of display is 185°F

**TRUE WIDE VIEWING**
Color changes and distortion are eliminated from any viewing angle.

Color change average @ 60°
Gamma change average @ 60°

**PANEL STABILITY**
Minimized image distortion when external pressure is applied.

IPS
Normal

IPS
Normal

IPS
Normal

IPS
Normal

**Narrow Bezel**
The slim bezel create a powerful and impactful video wall that can easily be installed, maintained and managed.

**Low Power Consumption**
LED panels without mercury or other harmful substances are more Eco-friendly and consume less energy.

**Shine-Out**
Perfect fit for window displays by reflecting away the sunlight. Delivers the best image quality and clarity when used under direct sunlight.

**High Picture Quality**
High contrast ratio of 500,000:1 delivers crisp and vivid pictures with the deepest blacks.

**Auto Calibration**
Built-in software uniformly calibrates and adjusts color and brightness automatically to each display in a video wall.

**24/7 Operation**
The strength of LG’s PD Module allows operation 24 hours a day. It is highly effective and provide continuous performance.
EcoSmart
- **Intelligent Sensor** - Continually monitors room light conditions to automatically optimize the picture quality for a more enjoyable viewing experience, which can help save energy.
- **Dynamic Power Savings** - Using built-in algorithms, TV will automatically reduce the power consumption based on incoming video, while maximizing picture performance.
- **Static Power Savings** - Picture brightness level can be set at the preferred power consumption level to reduce power and increase energy savings.
- **CEC Compliant** - Meets the Appliance Efficiency Regulations of the California Energy Commission.
- **RoHS Compliant** - Meets directive on restriction of hazardous substances.
- **Energy Star 5.1 Qualified** - Meets current reduction requirements of energy consumption.

3D Capabilities

55WV70MD-BL
LG 3DTVs can be used at a variety of spaces within the hotel property such as the guest room, the lobby, bar or restaurant.

- **Guest Room** – Transport the 3D cinema experience to the guest room and take them to new heights in television entertainment.
- **Lobby** – Welcome guests and visitors with more than conventional branding and advertising. 3D content can leave a lasting impression on their minds as they recall their hotel stay.
- **Restaurants and Bars** – LG 3DTVs have the capability to turn sports and movies into an event unto itself. It’s the differentiation that can attract patrons outside of good food and drink.
### PANEL

<table>
<thead>
<tr>
<th>Model</th>
<th>55WV70MS-B</th>
<th>55WV70BS-B</th>
<th>55WV70MD-BL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Size</td>
<td>55” (54.6” measured diagonally)</td>
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<td>55” (54.6” measured diagonally)</td>
</tr>
<tr>
<td>Panel Technology</td>
<td>IPS</td>
<td>IPS</td>
<td>IPS</td>
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<tr>
<td>Aspect Ratio</td>
<td>16 : 9</td>
<td>16 : 9</td>
<td>16 : 9</td>
</tr>
<tr>
<td>Native Resolution</td>
<td>1920 x 1080 (FHD)</td>
<td>1920 x 1080 (FHD)</td>
<td>1920 x 1080 (FHD)</td>
</tr>
<tr>
<td>Brightness</td>
<td>800 cd/m²</td>
<td>500 cd/m²</td>
<td>450 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1,400 : 1</td>
<td>1,400 : 1</td>
<td>1,400 : 1</td>
</tr>
<tr>
<td>Dynamic CR</td>
<td>500,000 : 1</td>
<td>500,000 : 1</td>
<td>500,000 : 1</td>
</tr>
<tr>
<td>Color Gamut</td>
<td>72%</td>
<td>72%</td>
<td>72%</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td>178°/178°</td>
<td>178°/178°</td>
<td>178°/178°</td>
</tr>
<tr>
<td>Color Depth</td>
<td>1.06 Billion</td>
<td>1.06 Billion</td>
<td>1.06 Billion</td>
</tr>
<tr>
<td>Response Time</td>
<td>9 ms (G to G), 18 ms (G to G, WOT)</td>
<td>10 ms (G to G), 19 ms (G to G, WOT)</td>
<td>10 ms (G to G), 19 ms (G to G, WOT)</td>
</tr>
<tr>
<td>Surface Treatment</td>
<td>Hard coating (3H), Anti-reflection treatment of the front polarizer (Reflectance &lt; 2%)</td>
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</tr>
<tr>
<td>Life time</td>
<td>60,000 Hrs</td>
<td>60,000 Hrs</td>
<td>60,000 Hrs</td>
</tr>
<tr>
<td>Orientation</td>
<td>Portrait and Landscape</td>
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</tr>
</tbody>
</table>

### VIDEO (PC)

| Max Input Resolution | 1920 X 1080@60Hz (RGB, HDMI/DVI/D) |
| Rec Resolution | 1920 X 1080@60Hz (RGB, HDMI/DVI/D) |
| H-Scanning Freq | 30 ~ 68 kHz (RGB, HDMI/DVI/D) |
| V-Scanning Freq | 56 Hz ~ 63 Hz (HDMI/DVI/D) |
| Pixel Frequency | 148.5 MHz (RGB, HDMI/DVI/D) |
| Picture Mode | Vivid, Standard, Cinema, Sports, Game |
| Color temperature | Warm, Medium, Cool |
| Color temperature | 0°C ~ 40°C |
| Operation Humidity | 10% ~ 80% |
| Power Supply | 100-240V~, 50/60Hz |
| Power Consumption | Normal (Typ) 210W, Normal (Typ) 160W, Normal (Typ) 240W |
| Power Consumption | 1.0W (Smart Energy Saving on 120W), 0.5W (Power Off) |
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### INPUT (Rear)

| Digital | HDMI(1), DVI(1), Display Port(1) with HDCP for all input |
| Analog | Component(1), AV(1), RGB(1) (Shared with D-Sub) |
| Audio | PC/AV/Component Audio In(1) |
| External Control | RS232C(1), RJ45(1) |
| USB | USB(1) |

### OUTPUT (Rear)

| Digital | DVI(1) |
| Analog | Component(1), Composite(1), RGB(1) (Shared with D-Sub) |
| Audio | External speaker |
| External Control | RS232C |

### AUDIO

| Balance | Yes |
| Audio Power | 20W (10W x 2) |
| Speaker on/off | Yes |
| Clear Voice II | Yes |
| Sound Mode | Standard, Music, Cinema, Sports, Game |

### BEZEL WIDTH

- 3.4mm (left/top) / 1.9mm (right/bottom) |

### SPECIAL FEATURES

- Temperature Sensor |
- Tile mode, Natural mode (Up to 15 x 15) |
- Brightness/Contrast/Backlight |
- Position/Size |
- Auto Config/Phase |
- Input label |
- Auto Power/Source Memory |
- Smart Energy Saving (Yes, Off/Minimum/Medium/Maximum/Screen Off/Auto) |
- Multimedia playback |
- File Play with USB |
- PIP/PBP |
- ISM Method |
- Key Lock |

### ENVIRONMENTAL CONDITIONS

- Operation Temp. |
- Operation Humidity |

### POWER

- Power Consumption |
- Smart Energy Saving on 120W |
- Smart Energy Saving on 90W |
- Smart Energy Saving on 150W |
- Power Off 0.5W |

### STANDARDS

| Safety | UL, cUL, CE/EMC, FCC/CE/KCC, ETL/UL, ETL/UL, ETL/UL, ETL/UL |
| ERP/Energy Star | Yes/EPA 5.1 |

### MEDIA PLAYER

- External Media Player Attachable |

### SOFTWARE

- SuperSign Elite-w lite Editing, Scheduling, Distribution & Play, Control |

### WARRANTY

- 3-Year Limited Warranty (Parts/Labor/Backlight) |

### UPC

- 7 19192 18940 9 |
- 7 19192 19085 6 |
- 7 19192 19087 0 |