

Specifications

| XE3C Series | | 75XE3C | 55XE3C | |
|----------------------------|--|---|--|---------------|
| PANEL | Screen Size | 75" Class | 55" Class (54.64" measured diagonal) | |
| | Panel Technology | IPS | IPS | |
| | Aspect Ratio | 16:9 | 16:9 | |
| | Native Resolution | 3,840 x 2,160 (UHD), M+ | 1,920 x 1,080 (FHD), M+ | |
| | Brightness | 3,000cd/m ² (Typ.) 2,400cd/m ² (min) through front protective glass | 3,000cd/m ² (Typ.) 2,400cd/m ² (min) through front protective glass | |
| | Contrast Ratio | 1,200:1 | 1,000:1 | |
| | Viewing Angle (H x V) | 178 x 178 | 178 x 178 | |
| | Response Time | 8 ms (Typ.) (G to G BW) | 9 ms (Typ.) (G to G BW) | |
| | Surface Treatment | Hard coating (2H), Anti-glare treatment of the front polarizer (Haze 3% (Typ.)) | Hard coating (2H), Anti-reflection treatment of the front polarizer (Reflectance 1.5%) | |
| | QWP Polarizer (FPR Film) | Yes | Yes | |
| CONNECTIVITY | Local dimming | 48 Block | 160 Block | |
| | Orientation | Portrait only | Portrait & Landscape | |
| | Input | HDMI, DP, DVI-D, Audio | | |
| CONNECTIVITY | Output | DP, External Speaker (*waterproof speakers are mandatory for outdoor installation) | | |
| | External Control | RS232C, RJ45, SD Card, USB 3.0 | | |
| | Front glass | 9.5 mm (AR, Front Safety Vandal Glass) | 7.5 mm (AR, Front Safety Vandal Glass) | |
| PHYSICAL SPECIFICATION | Bezel Color | Medium Texture Black (Common color) | | |
| | Bezel Width | 110 mm (T), 230 mm (B), 73.3.0 mm (L/R) | 66.4 mm (T/B), 31.0 mm (L/R) | |
| | Monitor Dimension (W x H x D) | 1,075.6 x 1,991.6 x 218.9 mm | 745.3 x 1,345.4 x 160.0 mm | |
| | Weight (Head) | 180 kg | 70 kg | |
| | Monitor with Optional Stand Dimensions (W x H x D) | 1,075.6 x 2,361.6 x 218.9 mm | 745 x 542 x 420 mm (option) | |
| | Weight (Head+Stand) | 240 kg | 100.5 kg | |
| | Packing Dimensions (W x H x D) | 1,308 x 2,296 x 468 mm | 1,027 x 1,491 x 309 mm | |
| | Packed Weight | 15 kg (TBD) | EPS Packing + Cartoon Box | |
| | Handle | Option (I-Bolt) | Option (I-Bolt) | |
| | SPECIAL FEATURES | | Temperature Sensor, Tile Mode, Natural Mode@Tile Mode, Auto-Brightness Sensor, Pixel Sensor, Cooling Fan, ISM Method, DPM Select, Energy Saving, Smart Energy Saving, File Play with USB, Internal Memory (8 GB), Easy Brightness Control, Content Scheduling, Fail over, DP daisy chain | |
| Operation Temperature | | -30 °C to 50 °C | -30 °C to 50 °C | |
| ENVIRONMENT CONDITIONS | Operation Humidity | 5 % to 100 % | 5 % to 100 % | |
| | Direct Sunlight | Yes | Yes | |
| | Dust / Water Proofing | IP 56 | IP 56 | |
| POWER | Power Supply | 100-240V~, 50/60Hz | 100-240V~, 50/60Hz | |
| | Power Type | Built-In Power | | |
| | Power Consumption | Typ./ Max | 700 W / 1,000 W | 350 W / 500 W |
| | | Smart Energy Saving | 350 W | 178 W |
| STANDARD (CERTIFICATION) | Safety | UL / cUL / CB | UL / cUL / CB | |
| | EMC | FCC Class "A" / CE / KCC | FCC Class "A" / CE / KCC | |
| | ErP / Energy Star | No / No | No / No | |
| MEDIA PLAYER COMPATIBILITY | OPS Type Compatible | No | No | |
| | External Media player Attachable | No | No | |
| SOFTWARE COMPATIBILITY | SuperSign W/Lite | Yes | Yes | |
| | SuperSign C | Yes | Yes | |
| ACCESSORIES | Basic | Remote controller, EIG, ESG, Regulation book, Phone to RS232C gender, USB cable, HDMI cable | Remote controller, EIG, ESG, Regulation book, Phone to RS232C gender, USB cable, HDMI cable | |
| | Optional | Media player (driven by customer), Enclosure Stand (ST-750X) | Media player (driven by customer), Enclosure Stand (ST-550X) | |

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Outstanding Visibility with Advanced Reliability

Enclosure outdoor signage 75/55XE3C



The 75/55XE3C provides excellent durability and vivid image quality even under direct sunlight. This outdoor signage boasts strong visibility and reliability with clear picture quality and accurate information delivery even under extreme changes in the environment. It also offers excellent efficiency, combining economic power consumption with simple installation and management.

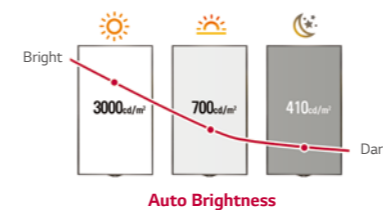
Key Features

Outstanding Visibility



Smart Brightness Control

The auto-brightness sensor and preset time scheduler save power whenever possible.



Advanced Local Dimming

The backlighting in specific areas of the screen can be controlled to increase contrast and provide a clearer image with twice the detail.

*55XE3C: 160 Blocks



QWP (Quarter Wave Plate)

FPR (Film-type Patterned Retarder) technology is embedded with a QWP which enables clear visibility even when the viewer is wearing polarized sunglasses.

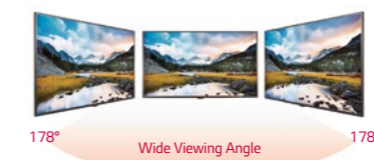


Advanced IPS Technology



Wide Viewing Angle

IPS technology provides better control of the liquid crystals, which in turn allows the screen to be viewed at virtually any angle.



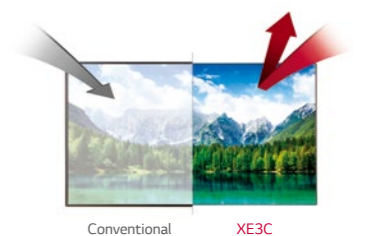
No Blackening Effect

Even under direct sunlight exposure, LG commercial monitors remain free from blackening defects under 110°C and provide superior quality for outdoor usage.




Anti-reflection

Less interference between reflection of external light & back light thanks to anti-reflection coating.



Outstanding Visibility with Advanced Reliability






Enclosure outdoor signage 75/55XE3C



Screen Size
75", 55"

75/55XE3C

- Brightness : 3,000 cd/m²
- Operating Temperature : -30°C to 50 °C
- Bezel : 75" - Top 110 mm, Bottom 230 mm, Left / Right 73.3 mm
55" - Top / Bottom 66.4 mm, Left / Right 31.0 mm
- Depth : 75" 218.9 mm, 55" 160 mm
- Interface : HDMI / DP / DVI / RJ45 / IR / RS232C / USB3.0 / External speaker out

Other Features

Product Reliability



Dust & Humidity Protection Designed with IP56 Rating

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



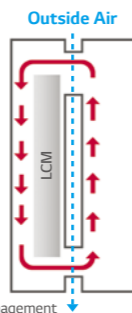
High Operating Temperature

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



Enhanced Thermal Management

Environmentally sealed structure for waterproofing and protection against brake dust and fumes. Three-layer thermal management prevents heating from the LCD, Circuit / Power board and Solar loading. Totally self-contained and suitable for outdoor use without air filter.



Three-layer thermal management

9.5 mm Protective Glass

Designed to protect panel from impacts and vandalism for outdoor use. Features OCA* film to protect against heating in direct sunlight.



* Optically Clear Adhesive
**75XE3C standard (55XE3C has 7.5 mm protective glass)

Cost Effective



Low Power Consumption Using The M+ Panel

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

* With same luminance



Easy Operation



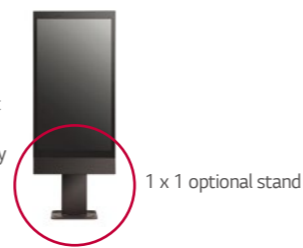
Web Monitoring

The embedded web monitoring allows a variety of parameters to be diagnosed in real time using temperature, pixel, door, ambient light and gyro sensors. It can be easily controlled at all times.



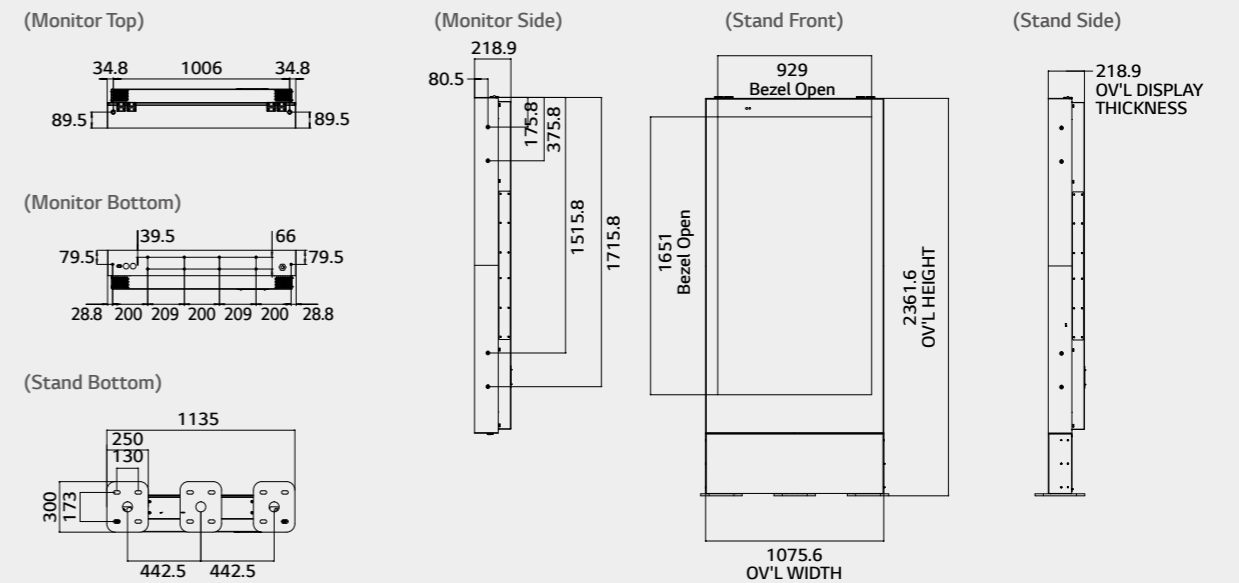
Optional Stand

It is designed with various applications in mind and compatible with wall-mounted landscape/portrait orientation. Optional stand to allow panel to stand freely and facilitate easy cable management.



Dimensions (unit : mm)

75"



55"

