

Outstanding Visibility with Advanced Reliability

Enclosure outdoor signage 55XE3C



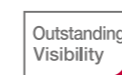
Images on screen are simulated.

The 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.



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.

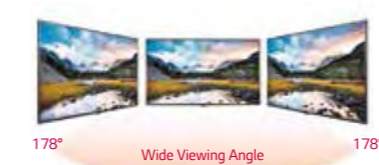


Advanced IPS Technology



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.



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Screen Size
55"

55XE3C

- Brightness : 3,000 cd/m²
- Life Time : 50,000 hours
- Operating Temperature : -30°C to 50 °C
- Bezel : Top / Bottom 66.4 mm, Left / Right 31.0 mm
- Depth : 160 mm
- Interface : HDMI / DP / DVI / RJ45 / IR / RS232C / USB3.0 / External speaker out



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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.



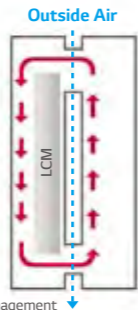
High Operating Temperature

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

7.5 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

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.



Specifications

XE3C Series		55XE3C
PANEL	Screen Size	55" Class (54.64" measured diagonally)
	Panel Technology	IPS
	Aspect Ratio	16:9
	Native Resolution	1,920 x 1,080 (FHD), M+
	Brightness	3,000 cd/m ² through front protective glass (Typ)
	Contrast Ratio	1,000:1
	Viewing Angle (H x V)	178 x 178
	Response Time	6 ms (G to G), 9 ms (G to G BW)
	Surface Treatment	Anti-reflection treatment of the front polarizer (Reflectance < 2.5%)
	QWP Polarizer (FPR Film)	Yes
	Local dimming	55" 160 Block
	Life time	50,000 Hrs
CONNECTIVITY	Input	HDMI, DP, DVI-D, Audio
	Output	DP, External Speaker Out
	External Control	RS232C, RJ45, USB 3.0, SD Card
PHYSICAL SPECIFICATION	Front glass	7.5 mm (AR, Front Safety Vandal Glass)
	Bezel Color	Medium Texture Black (Common color)
	Bezel Width	66.4 mm (T/B), 31.0 mm (L/R)
	Monitor Dimension (W x H x D)	745.3 x 1,345.4 x 160.0 mm
	Weight (Head)	70 kg
	Monitor with Optional Stand Dimensions (W x H x D)	745 x 542 x 420 mm
SPECIAL FEATURES	Weight (Head+Stand)	100.5 kg
	Packing Dimensions (W x H x D)	1,027 x 1,491 x 309 mm
	Temperature Sensor, 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	
	Operation Temperature	-30 °C to 50 °C
	Operation Humidity	5% ~ 100%
ENVIRONMENT CONDITIONS	Direct Sunlight	Yes
	Dust / Water Proofing	IP 56
	Power Supply	100~240 V, 50/60 Hz
POWER	Power Type	Built-In Power
	Power Consumption	Typ. 350 W / Max. 500 W
	Typ./Max Smart Energy Saving	178 W
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB
	EMC	FCC Class "A" / CE / KCC
MEDIA PLAYER COMPATIBILITY	ErP / Energy Star	No / No
	OPS type compatible	No
SOFTWARE COMPATIBILITY	External Media player Attachable	No
	SuperSign W/Lite	Yes
	SuperSign C	Yes
ACCESSORIES	Accessories	Remote controller, Manual, QSG, Regulation book, Phone to RS232C Gender, USB cable, HDMI cable,
	Optional Accessories	Media player (driven by customer), Enclosure Stand
UPC		7 19192 60679 1

Dimensions (unit : mm)

