



Outstanding Visibility

Enclosure outdoor signage 55XE3C



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.

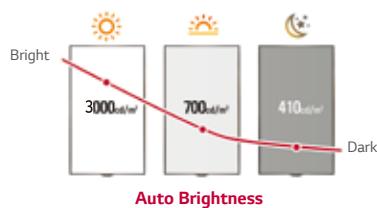
Key Features

Outstanding Visibility



Smart Brightness Control

The high brightness 55" outdoor display maintains high picture quality and image readability in an outdoor environment.



Advanced Local Dimming

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



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 polarised sunglasses.

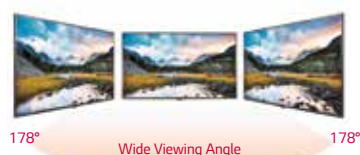


Advanced IPS Technology



Wide Viewing Angle

Super In Plane Switching or IPS provides better light transmission than non-IPS panels allowing you to watch the screen at wider viewing angles with minimal variation in contrast.



No Blackening Effect

LG's IPS Premium Display minimises Gravity Defect in both landscape and portrait orientations. Also whilst screen surface temperature is below 110°C, it presents clearer images without hot spots.



Anti-reflection

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



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Screen Size
55" (139cm)



55XE3C

- Brightness : 3,000 cd/m²
- Life Time : 50,000 hours (half brightness)
- 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

Other Features

Product Reliability



Dust & Humidity Protection Designed with IP56 Rating

The 55XE3C signage has been designed with the LG Conformal Coating to provide additional protection to circuit boards in harsh environments such as dust and humidity.



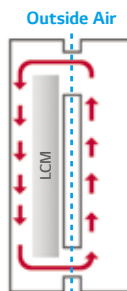
High Operating Temperature

Even under high operating temperature of up to 50°C, it presents clearer images without hot spots.



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. 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



XE3C

M+ Panel



High Brightness Using The M+ Panel

The M+ panel with the LG new RGBW structure adds a white element to the existing RGB pixel structure producing higher brightness.



XE3C

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.



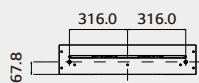
1 x 1 optional stand

Specifications

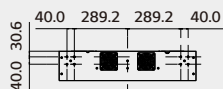
XE3C Series		55XE3C
PANEL	Screen Size	55" (139cm)
	Panel Technology	IPS
	Aspect Ratio	16:9
	Native Resolution	1,920 x 1,080 (FHD), M+
	Brightness	3,000 cd/m ² with protective glass (Typ)
	Contrast Ratio	1,000:1
	Viewing Angle (H x V)	178 x 178
	Response Time	6 ms (G to G), 9 ms (G to G BW)
	Surface Treatment	Anti-reflection treatment of the front polariser (Reflectance < 2.5%)
	QWP Polariser (FPR Film)	Yes
CONNECTIVITY	Local dimming	55" 160 Block
	Life time	50,000 Hrs
	Orientation	Portrait & Landscape
CONNECTIVITY	Input	HDMI, DP, DVI-D, Audio
	Output	DP, External Speaker Out
PHYSICAL SPECIFICATION	External Control	RS232C, RJ45, USB 3.0, SD Card
	Front glass	7.5 mm (AR, Front Safety Vandal Glass)
	Bezel Colour	Medium Texture Black (Common colour)
	Bezel Width	66.4 mm (T/B), 31.0 mm (L/R)
	Monitor Dimension (W x H x D)	745 x 1,345 x 160 mm
	Weight (Head)	70 kg
	Monitor with Optional Stand Dimensions (W x H x D)	745 x 542 x 420 mm
	Weight (Head+Stand)	100.5 kg
Packing Dimensions (W x H x D)	1,027 x 1,491 x 309 mm	
SPECIAL FEATURES	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	
ENVIRONMENT CONDITIONS	Operation Temperature	-30 °C to 50 °C
	Operation Humidity	10 % - 100%
	Direct Sunlight	Yes
	Dust / Water Proofing	IP 56
POWER	Power Supply	100-240 V, 50/60 Hz
	Power Type	Built-In Power
	Power Consumption	Typ. 350 W / Max. 500 W Smart Energy Saving 178 W
STANDARD (CERTIFICATION)	Safety	AS / NZS 60950, CB Scheme
	EMC	AS / NZS CISPR22, RCM (Class A)
	Energy Rating	N/A
MEDIA PLAYER COMPATIBILITY	OPS type compatible	No
	External Media player Attachable	No
SOFTWARE COMPATIBILITY	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

Dimensions (unit : mm)

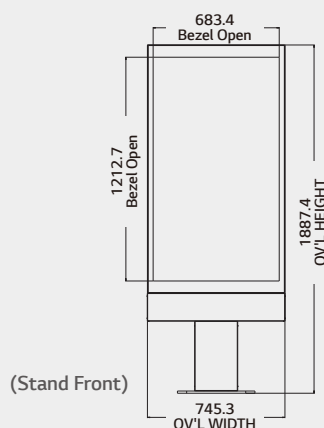
(Monitor Top)



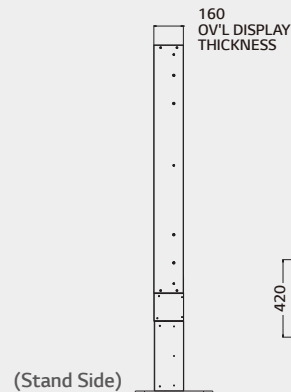
(Monitor Bottom)



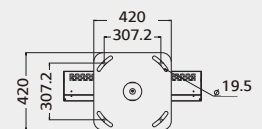
(Monitor Side)



(Stand Front)



(Stand Side)



(Stand Bottom)