

Outstanding Visibility with High Reliability

86XE3FS

Boasting a high brightness of 3,000 nits, LG's outdoor display, 86XE3FS, captures the attention of passersby even under direct sunlight. Carefully designed to withstand a variety of extreme changes in the environment, the display will stably deliver eye-catching content for as long as you need it to.



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OUTSTANDING VISIBILITY

High Brightness

With incredibly high brightness at 3,000 nits (Typ.), the 86XE3FS outdoor display delivers contents clearly while captivating passersby, making it the ultimate display for outdoor visibility.



Visible with Polarized Sunglasses

QWP (Quarter Wave Plate) enables clear visibility even when the viewer is wearing polarized sunglasses.



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OUTSTANDING VISIBILITY

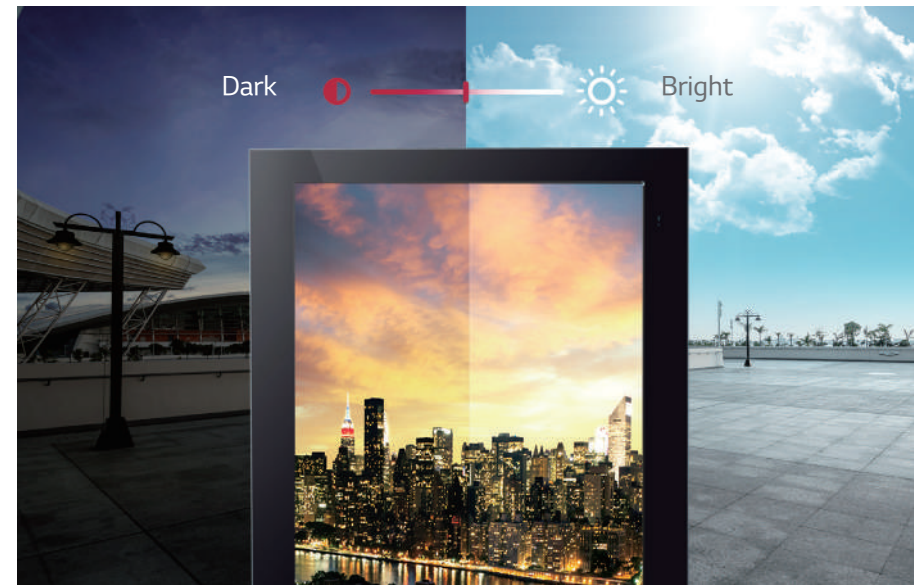
Smart Brightness Compensation

The built-in BLU sensor constantly measures the brightness of the display and automatically compensates for reduced brightness during operation.



Auto Brightness Control

The screen brightness is automatically adjusted depending on the ambient light. The brightness is increased in light for better visibility, while it is decreased in darkness for efficient power management.



Auto Brightness

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OUTSTANDING VISIBILITY

No Blackening

Even under direct sunlight exposure, the display remains free of blackening defects and provide superior quality for outdoor use.

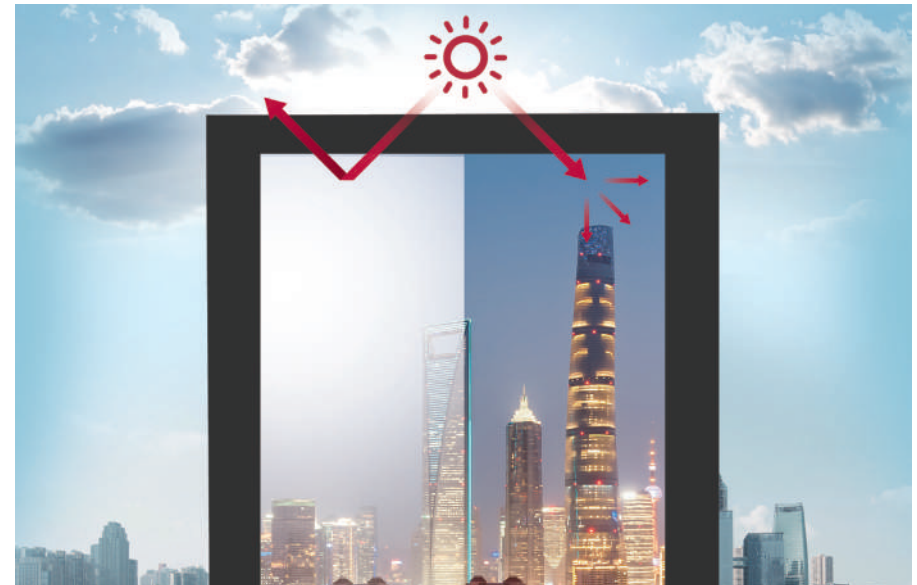


Blackening

No Blackening
(LG 86XE3FS)

Anti-Reflection Coating

AR^(Anti-Reflection) Coating has been applied to the 86XE3FS, improving readability by reducing the interference between the display's backlight and reflected external light. Even under direct sunlight or strong lighting, the content still looks clear.



Without AR Coating

With AR Coating
(LG 86XE3FS)

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RELIABILITY FOR OUTDOOR USAGE

Wide Range of Operating Temperature

The display offers superb reliability under a wide range of operating temperatures, which also goes through LG's solar-loading test which causes a lot of thermal energy. So the 86XE3FS requires fewer constraints for outdoor installations which are usually exposed to strong direct sunlight and various environmental changes.



Secured Protection with IP56 Design

The display is sealed with IP56 design for reliable operation. It's designed to be not only waterproof but also weatherproof against the damaging effects of the sun, rain, snow, dust and wind, an essential feature for outdoor application.



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RELIABILITY FOR OUTDOOR USAGE

Electrical Safety

Circuit breaker is inside ensuring absolute protection from overcurrent short circuits, and unwanted voltages. This type of integration establishes preventative solutions for signage's from having future damages.



Protective Glass

The tempered and laminated front glass ensures optimum protection from outdoor extremities, resulting in minimal to no damage from external impacts.



*The image is for illustrative purposes only

Without Protective Glass

With Protective Glass
(LG 86XE3FS)

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SMART PERFORMANCE

webOS Smart Platform

Quad Core SoC (System-on-Chip) can execute several tasks at the same time without a separate media player. In addition, webOS 3.0 platform enhances user convenience with intuitive UI and simple app development tools.



Web Monitoring

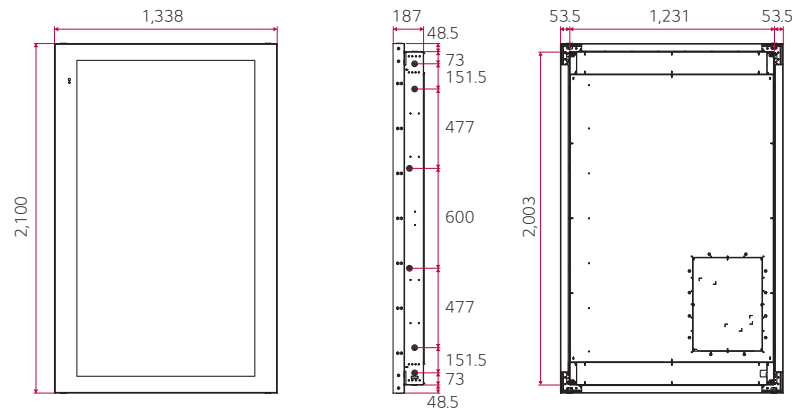
The LG Control Manager*, the embedded web monitoring program, allows a variety of parameters to be diagnosed in real time such as temperature, pixel, door, ambient light, and gyro sensors. It can be easily controlled at all times.



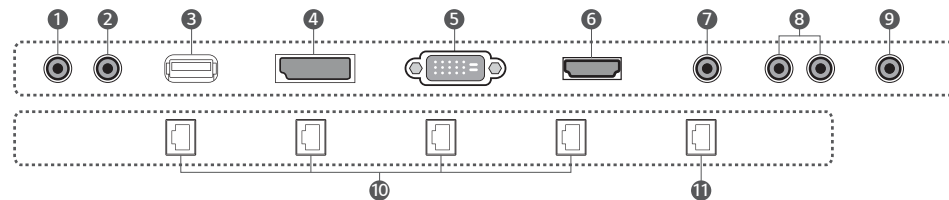
*Enabled by wired LAN connection

Dimension (unit: mm)

86"



Connectivity



- ① RS232C OUT
- ② RS232C IN
- ③ USB 2.0
- ④ DP IN
- ⑤ DVI-D IN
- ⑥ HDMI IN
- ⑦ AUDIO IN
- ⑧ SPEAKER OUT
- ⑨ EXT IR IN
- ⑩ LAN OUT
- ⑪ LAN IN



Specifications

86XE3FS

PANEL	Screen Size	86"
	Panel Technology	IPS
	Aspect Ratio	16 : 9
	Native Resolution	3,840 x 2,160 (UHD)
	Brightness	3,000 cd/m ² (Typ.), 2,800 cd/m ² (Min.)
	Contrast Ratio	1,200:1 (Typ.)
	Viewing Angle (H x V)	178 x 178
	Response Time	8 ms (GTG Typ.)
	Surface Treatment (Haze)	AGLR (3%), QWP
	Life Time (Typ.)	50,000 Hrs
CONNECTIVITY	Operation Hours	24 Hrs
	Orientation	Portrait
	Input	HDMI, DP, DVI-D, Audio, USB
MECHANICAL SPECIFICATION	Output	External Speaker
	External Control	RS232C In/out, RJ45(LAN) In, RJ45(LAN) Out(4), External IR In
	Front Glass	Yes (Protection Glass)
KEY FEATURE	Bezel Color	Black
	Bezel Width	101 mm (T/B), 135 mm (L/R)
	Monitor Dimension (W x H x D)	1,338 x 2,100 x 187 mm
	Weight (Head)	276 kg
	Carton Dimensions (W x H x D)	1,503 x 2,296 x 468 mm
ENVIRONMENT CONDITIONS	Packed Weight	310 kg
	Internal Memory 8GB (System 4GB + Available 4GB), Temperature Sensor, Auto Brightness Sensor, BLU Brightness Sensor, Pixel Sensor, Gyro Sensor, Current Sensor, Power Indicator, FAN (12), Embedded CMS, Fail Over, Image Customization, Content Sync, Play via URL, Gapless Playback, Tile Mode Setting (Up to 15x15), DPM, Smart Energy Saving, Wake on LAN (Wired), Firmware Update by Network, Control Manager, Status Mailing, SI Server Setting	
	Operation Temperature	-30°C to 50°C
	Operation Humidity	5% to 100%
	Power Supply	100-240V~, 50/60Hz
POWER	Power Type	Built-In Power
	Power Consumption Typ./Max.	1,450 W / 1,850 W
	Power Consumption Smart Energy Saving	650 W
CERTIFICATION	Safety	UL / cUL / CB
	EMC	FCC Class "A" / CE / KC
MEDIA PLAYER COMPATIBILITY	ErP / Energy Star	No / No
	OPS Type Compatible	No
SOFTWARE COMPATIBILITY	External Media Player Attachable	No
	Content Management Software	SuperSign CMS
ACCESSORIES	Control and Monitoring Software	SuperSign Control/Control+
	Basic	Remote Controller, HDMI Cable, USB Cable, Manual (IG&EIG), Regulation Book, Phone to RS232C Gender, LAN Extension Cable, Cord Grip Rubbers



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