

# 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.



Great Titchfield St  
Oxford Circus Stn ⇄

Keep on  
traveling  
*Venice*

Make your holiday dreams come true with us.

The advertisement on the bus stop display features a vibrant image of Venice, Italy, with the St. Mark's Basilica and the Grand Canal. The text 'Keep on traveling Venice' is prominently displayed in white and yellow, with 'Venice' in a cursive font. Below the image, the text 'Make your holiday dreams come true with us.' is written in a smaller font.



\* All images are for illustrative purposes only.



Outstanding Visibility with High Reliability

## 86XE3FS

### OUTSTANDING VISIBILITY

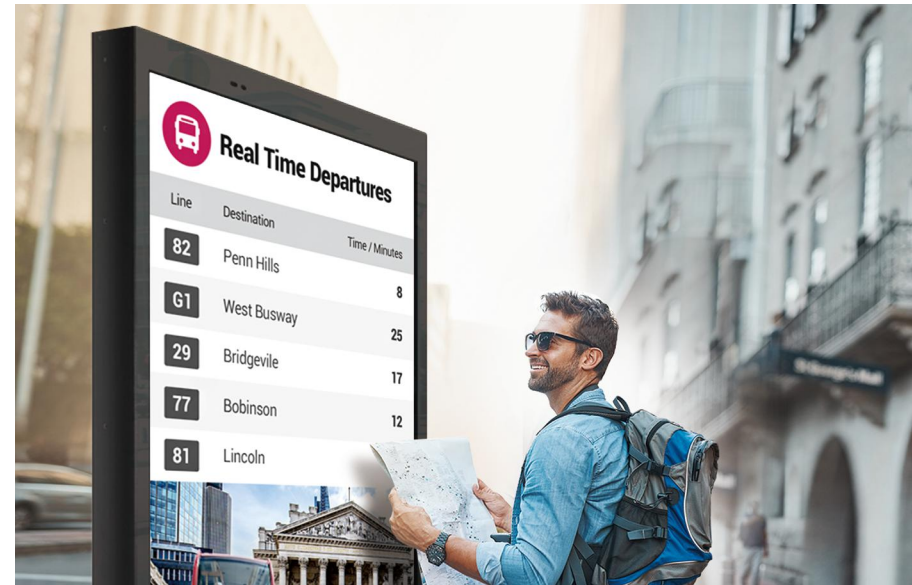
#### High Brightness

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.



Real Time Departures		
Line	Destination	Time / Minutes
82	Penn Hills	8
G1	West Busway	25
29	Bridgeville	17
77	Bobinson	12
81	Lincoln	

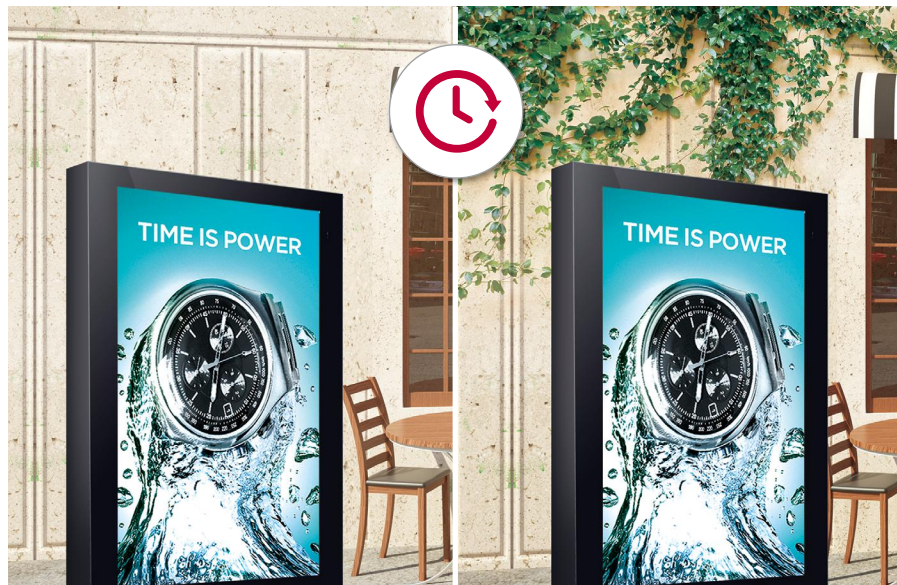
Outstanding Visibility with High Reliability

## 86XE3FS

### OUTSTANDING VISIBILITY

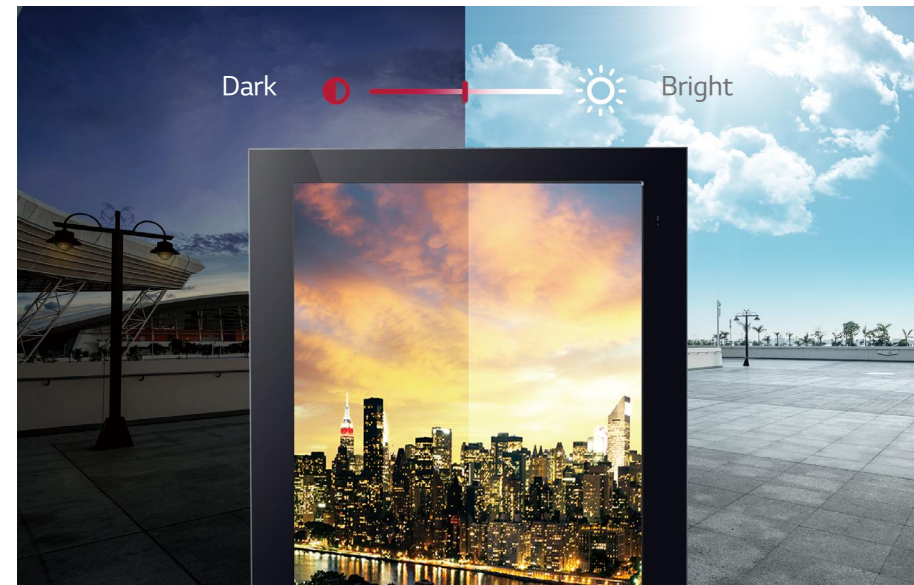
#### Smart Brightness Compensation

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



Outstanding Visibility with High Reliability

# 86XE3FS

## 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.



Outstanding Visibility with High Reliability

## 86XE3FS

### RELIABILITY FOR OUTDOOR USAGE

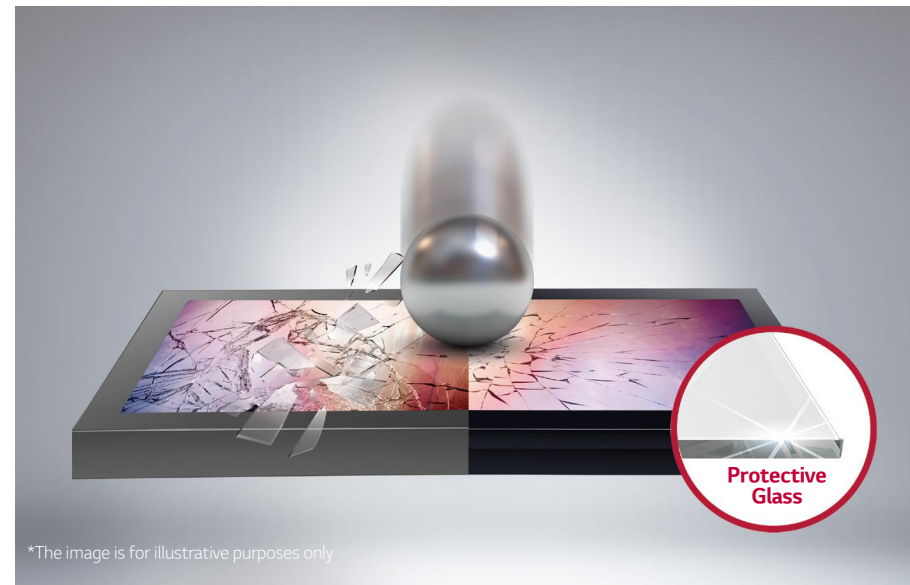
#### Electrical Safety

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)

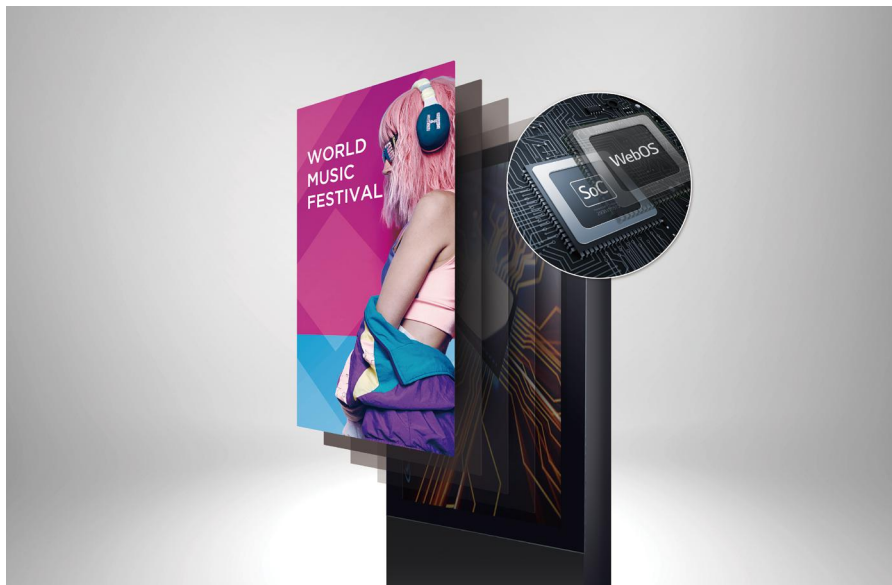
Outstanding Visibility with High Reliability

## 86XE3FS

### SMART PERFORMANCE

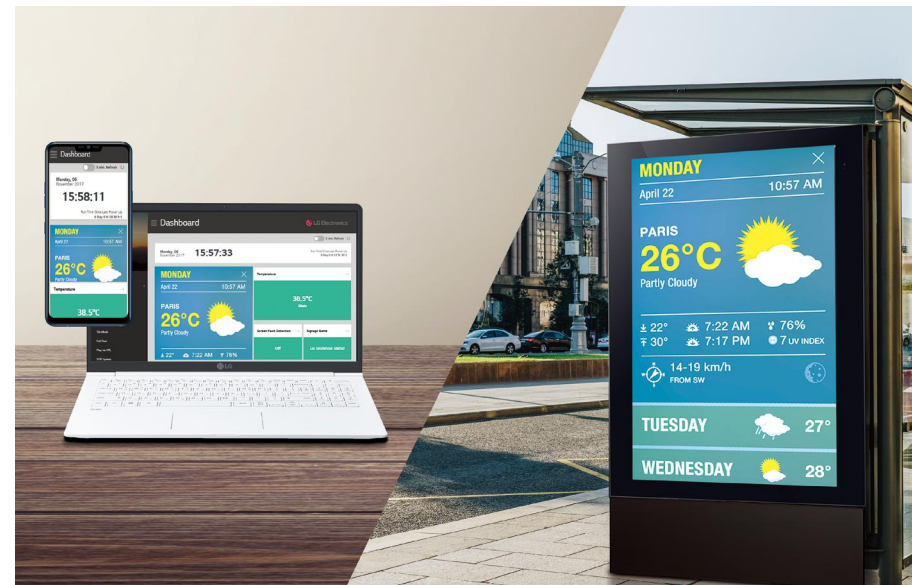
#### webOS Smart Platform

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

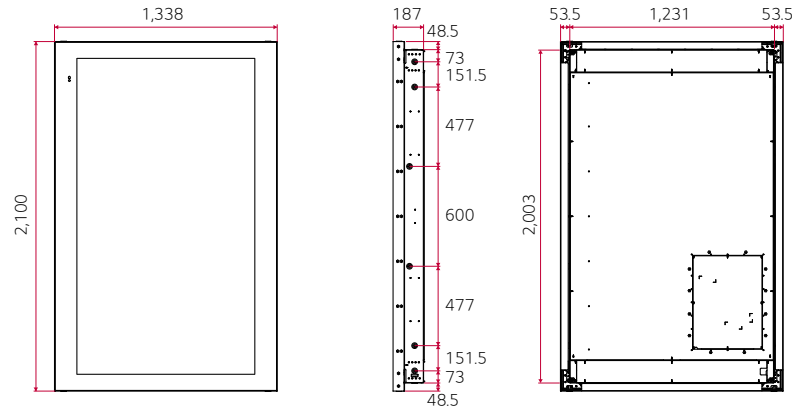
The LG Control Manager\*, the embedded web monitoring program, allows a variety of parameters to be diagnosed in real time such as temperature, pixel, door, ambient light, and gyro sensors. It can be easily controlled at all times.



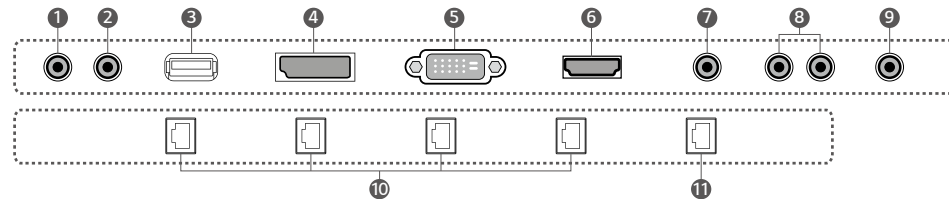
\*Enabled by wired LAN connection

## 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

<b>PANEL</b>	Screen Size	86"
	Panel Technology	IPS, RGB
	Native Resolution	3,840 × 2,160 (UHD)
	Brightness	3,000 nit (Typ.), 2,800 nit (Min.)
	Contrast Ratio	1,200 : 1 (Typ.)
	Dynamic CR <sup>1)</sup>	500,000 : 1
	Color Gamut	NTSC 68 %
	Viewing Angle (H × V)	178 × 178
	Color Depth	1.07 Billion Colors (10 bit)
	Response Time	8 ms (G to G)
	Surface Treatment (Haze)	Haze 3 %
	Operation Hours (Hours / Day)	24 / 7
	Portrait / Landscape	Yes / Yes
	QWP (Quarter Wave Plate)	Yes
<b>CONNECTIVITY</b>	Input	HDMI (HDCP 2.2), DP (HDCP 1.4), DVI-D, Audio, USB 2.0 Type A
	Output	External Speaker (L/R, 10 W +10 W)
	External Control	RS232C In (4 Pin Phone Jack) / Out, RJ45 (LAN) In, RJ45 (LAN) Out (4), IR In
<b>MECHANICAL SPECIFICATION</b>	Bezel Width	101 mm (T/B), 135 mm (L/R)
	Weight (Head)	276 kg
	Packed Weight	310 kg
	Monitor Dimension (W x H x D)	1,338 × 2,100 × 187 mm
	VESA™ Standard Mount Interface	No
	Protection	Depth
	Glass	Degree of Protection
		9.52 mm (4 mm (Glass) + 1.52 mm (Lami) + 4 mm (Glass))
		Yes (P2A Certified)
<b>KEY FEATURE</b>		Internal Memory (8 GB), Temperature Sensor, Auto Brightness Sensor, Pixel Sensor, Current Sensor, BLU Sensor, Humidity Sensor, Acceleration (Gyro) Sensor, Power Indicator, FAN, webOS 3.0, Embedded CMS (Local Contents Scheduling), USB Plug & Play, Fail Over, Background Image (Booting Logo Image, No Signal Image), Sync Mode (RS-232C Sync, Local Network Sync), Video Tag (2), Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 × 15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, Smart Energy Saving, PM Mode, Wake on LAN, HDMI-CEC <sup>2)</sup> , SI Server Setting, Brightness Compensation
<b>ENVIRONMENT CONDITIONS</b>	Operation Temperature	-30 °C to 50 °C
	Operation Humidity	5 % to 100 %
	Power Supply	AC 100 - 240 V ~, 50 / 60 Hz
<b>POWER</b>	Power Type	Built-in Power
	Power Consumption	Typ. / Max. 1,450 W / 1,850 W
		4,948 BTU / Hr (Typ.), 6,312 BTU / Hr (Max.)
<b>CERTIFICATION</b>	Safety	CB / NRTL
	EMC	FCC Class "A" / CE / KC / VCCI
	ErP	Yes (EU Only)
<b>MEDIA PLAYER COMPATIBILITY</b>	OPS Type Compatible	No
<b>SOFTWARE COMPATIBILITY</b>		SuperSign CMS, SuperSign Control / Control+, Signage365Care <sup>3)</sup>
<b>ACCESSORIES</b>	Basic	Remote Controller, HDMI Cable, USB Cable, Manual (IG & EIG), Regulation Book, Phone to RS232C Gender, LAN Extension Cable Cord Grip Rubber (3 ea)
<b>SPECIAL FEATURE</b>		IP Rating (IP56), Power Protection (Circuit Breaker), Direct Sunlight

<sup>1)</sup> The luminosity ratio of Full Black / Full White color on video input condition.

<sup>2)</sup> Compatibility may differ by equipment.

<sup>3)</sup> The availability can differ by region.

\* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.

\* Dimensions & Jack Panels (Read / Side) may differ from the above image, so please contact LG sales team to verify before ordering.



Download  
LG C-Display+  
Mobile App

Google Play Store

- [www.lg.com/b2b](http://www.lg.com/b2b)
- [www.youtube.com/c/LGCommercialDisplay](https://www.youtube.com/c/LGCommercialDisplay)
- [www.facebook.com/LGInformationDisplay](https://www.facebook.com/LGInformationDisplay)
- [www.linkedin.com/company/lginformationdisplay](https://www.linkedin.com/company/lginformationdisplay)

LG may make changes to specifications and product descriptions without notice.  
Copyright © 2020 LG Electronics Inc. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp.  
The names of products and brands mentioned here may be the trademarks of their respective owners.

