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.

LG | Business Solutions

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Make your holiday dreams come true with us.

Outstanding Visibility with High Reliability

86XE3FS
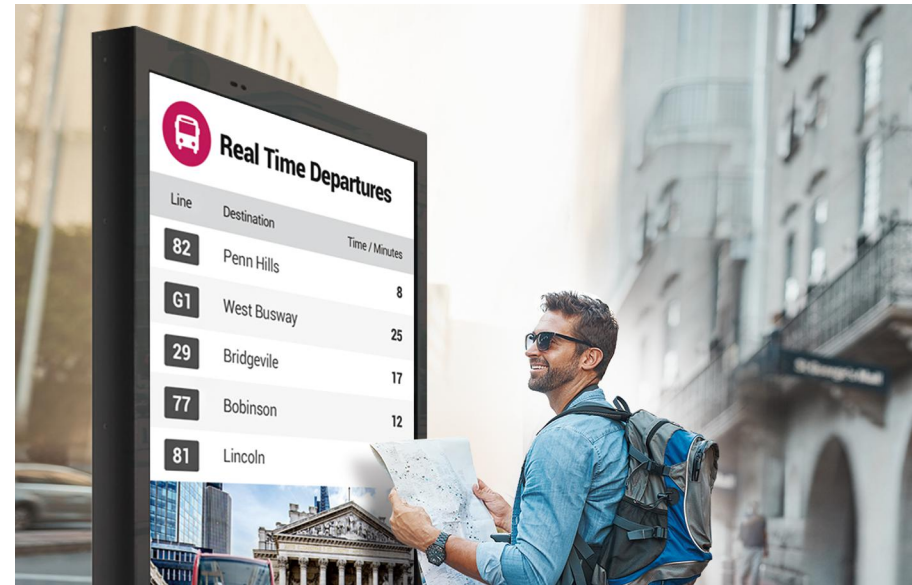
OUTSTANDING VISIBILITY

High Brightness

With outstanding 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.
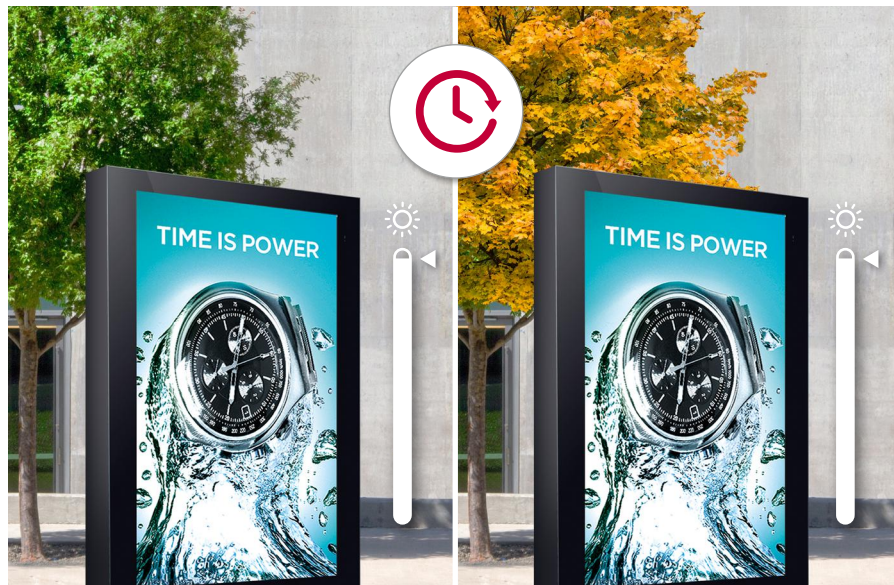
Outstanding Visibility with High Reliability

86XE3FS

OUTSTANDING VISIBILITY
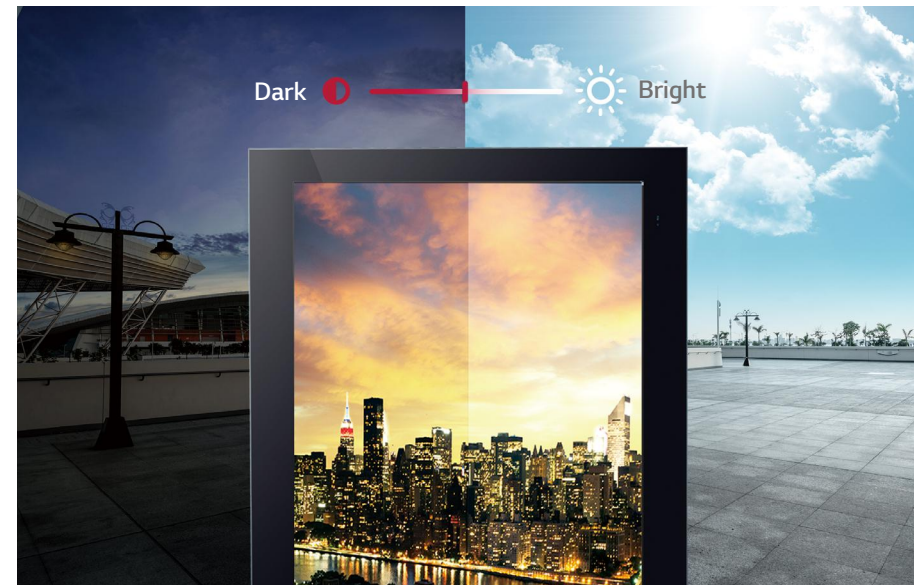
Smart Brightness Compensation

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

* Back Light Unit

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
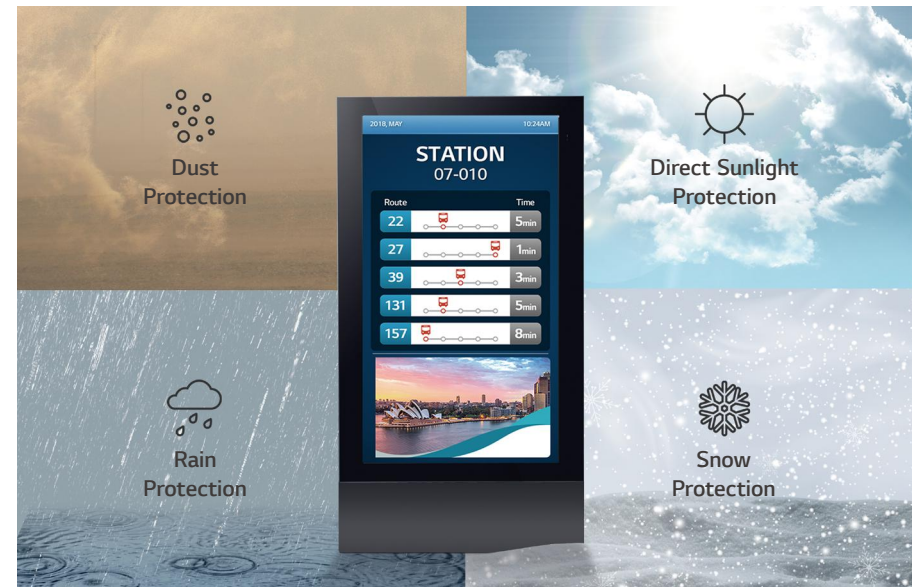
Wide Range of Operating Temperature

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.

* 86XE3FS is tested under humidity of 30% (55°C) and 99% (40°C).

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.

* IP Code or Ingress Protection Code classifies the degree of protection provided by mechanical casings and electrical enclosures against intrusion, dust, accidental contact, and water.
** IP56 means the product is protected from limited dust ingress and resists high-pressuer, heavy sparys of water.
*** 86XE3FS is certified as IP56 by CTK in May 2019.

86XE3FS

RELIABILITY FOR OUTDOOR USAGE

Electrical Safety

Circuit breaker is inside ensuring strong 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)

* When 1,040g of iron is dropped from a height of 60cm, the front protective glass should not be broken or cracked while normal glass can be broken or cracked by the same level of impacts.
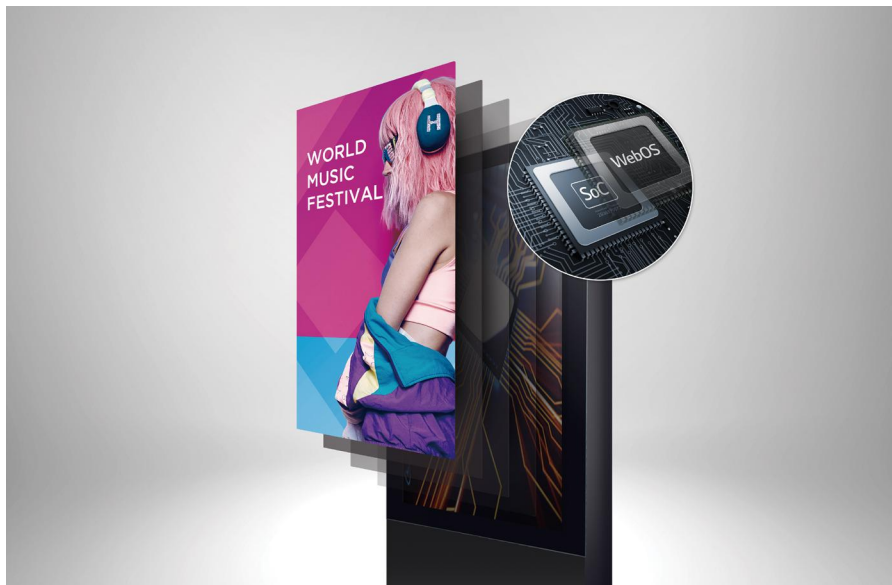
Outstanding Visibility with High Reliability
86XE3FS
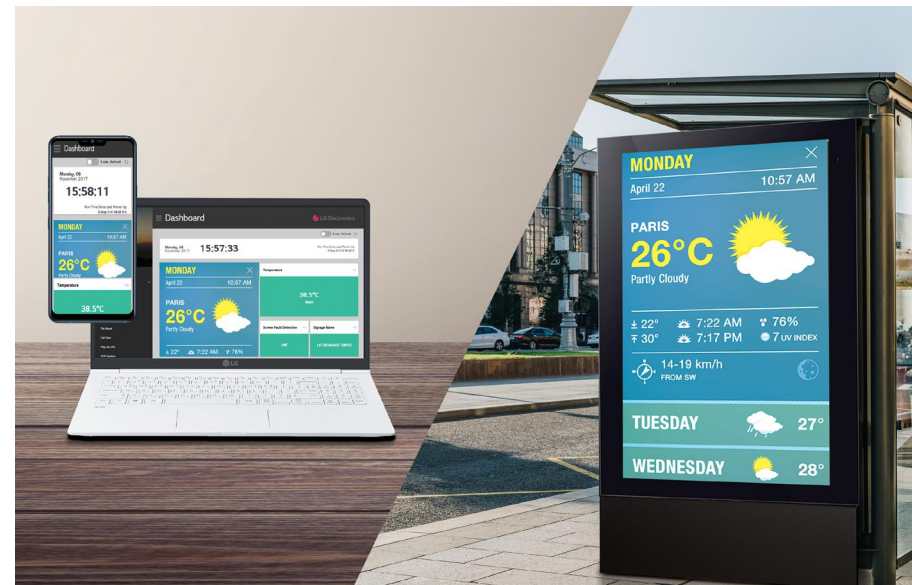
SMART PERFORMANCE

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 develoment tools.
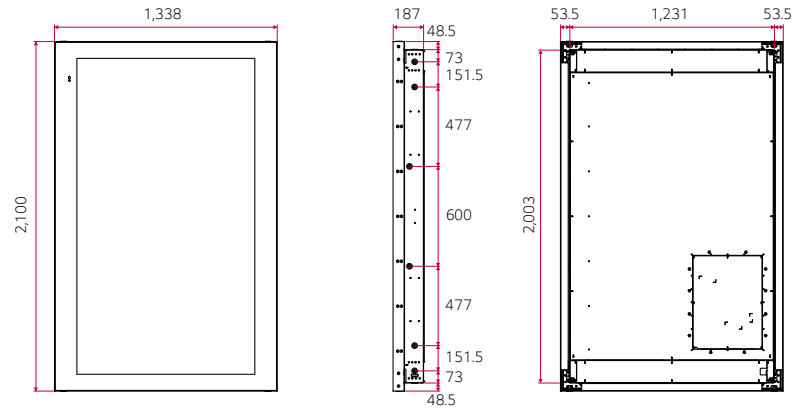

Web Monitoring

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.
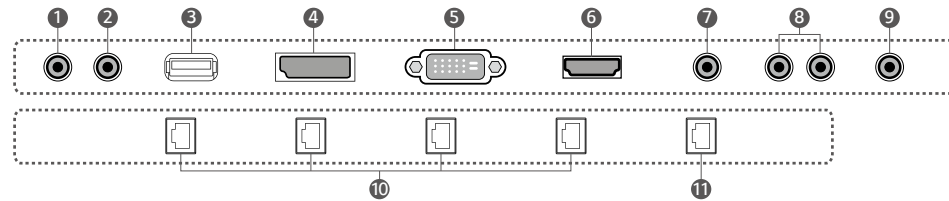

* Enabled by wired LAN connection

Dimension (unit: mm)

86"

Connectivity

❶ RS232C OUT	❺ DVI-D IN	❾ EXT IR IN
❷ RS232C IN	❻ HDMI IN	❿ LAN OUT
❸ USB 2.0	❼ AUDIO IN	⓫ LAN IN
❹ DP IN	❽ SPEAKER OUT	

HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE

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

Specifications

86XE3FS

PANEL	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[1]		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
CONNECTIVITY	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
MECHANICAL SPECIFICATION	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
	VESATM Standard Mount Interface		No
	Protection Glass	Depth	9.52 mm (4 mm (Glass) + 1.52 mm (Lami) + 4 mm (Glass))
		Degree of Protection	Yes (P2A Certified)
KEY FEATURE			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[2], SI Server Setting, Brightness Compensation
ENVIRONMENT CONDITIONS	Operation Temperature		-30°C to 50°C
	Operation Humidity		5% to 100%
POWER	Power Supply		AC 100-240 V ~, 50/60 Hz
	Power Type		Built-in Power
	Power Consumption	Typ. / Max.	1,450 W / 1,850 W
		BTU (British Thermal Unit)	4,948 BTU / Hr (Typ.), 6,312 BTU / Hr (Max.)
CERTIFICATION	Safety		CB / NRTL
	EMC		FCC Class "A" / CE / KC / VCCI
	ErP		Yes (EU Only)
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible		No
SOFTWARE COMPATIBILITY			SuperSign CMS, SuperSign Control / Control+, LG ConnectedCare[3]
ACCESSORIES	Basic		Remote Controller, HDMI Cable, USB Cable, Manual (IG & EIG), Regulation Book, Phone to RS232C Gender, LAN Extension Cable Cord Grip Rubber (3 ea)
SPECIAL FEATURE			IP Rating (IP56), Power Protection (Circuit Breaker), Direct Sunlight

[1] The luminosity ratio of Full Black / Full White color on video input condition.
[2] Compatibility may differ by equipment.
[3] The availability can differ by region.
* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.