



\* All images in this datasheet are for illustrative purposes only.

## High-brightness Open-frame Display 86XF3SK

# Large Display Optimized for Outdoor Advertisement



Anti-Discoloration



3,300 nits  
High Brightness



Ultra HD Resolution



Polarized  
Sunglasses



Long-lasting High  
Performance



Web-based  
Monitoring Solution

### 86XF3SK

Screen Size, Panel	86" IPS
Native Resolution	3,840 × 2,160 (UHD)
Brightness	3,300 nits (Typ. w/o Glass)
Portrait / Landscape	Yes / No
Dimension / Weight	1,225 × 2,034.3 × 179.48 mm (W × H × D) / 140 kg
Key Features	Temperature Sensor, Auto Brightness Sensor, Smart Brightness Compensation



## World's First UL Verification for Display Anti-Discoloration Characteristics

By focusing on the pain points of our customers, we obtained the world's first UL Verification for Display Anti-Discoloration Characteristics. Our new technology helps prevent 'screen-yellowing', while safeguarding display quality and performance stability.

\* World's first UL Verification in the manufacturing industry

\* For more details about UL Verification, please visit <https://verify.ul.com/verifications/1382>.



## High Visibility Under Strong Sunlight

With outstanding high brightness of 3,300 nits (Typ.), the 86XF3SK outdoor display delivers contents clearly while captivating passersby, making it the optimized display for outdoor visibility. In addition, its clear visibility can deliver a variety of information even to those wearing polarized sunglasses.



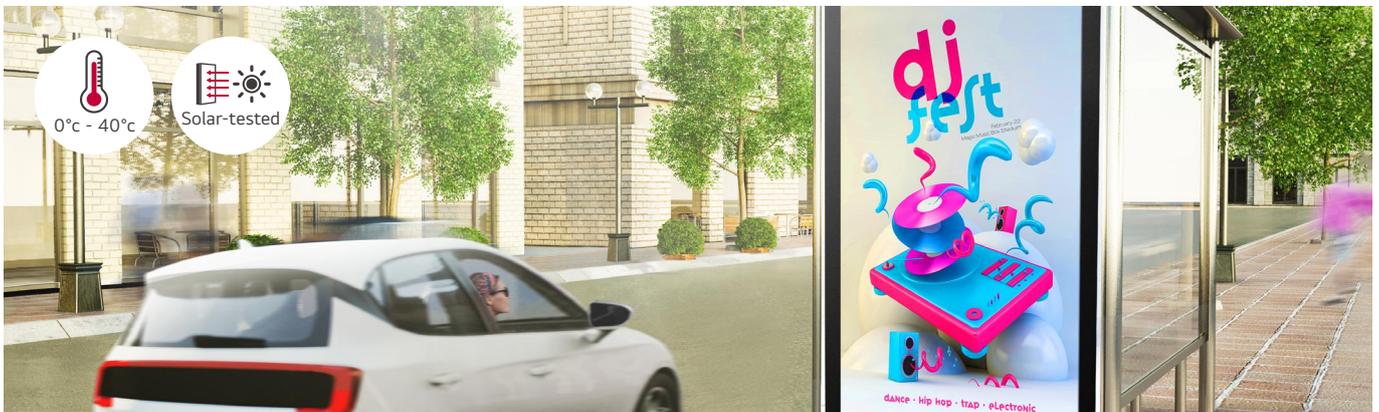
## Superb Picture Quality with Ultra HD Resolution

With the resolution of UHD, it makes the color and details of the contents vivid and realistic. In addition, the wide viewing angle applied with an IPS panel, provides clear contents.



## Open-frame Type Display

86XF3SK is an open-frame type high brightness displays to give customers flexibility in exterior of casing such as colors or design.



## Wide Range of Operating Temperature

The display offers superb reliability under a wide range of operating temperatures, which also goes through LG's solar test\* which causes a lot of thermal energy. So the 86XF3SK requires fewer constraints for outdoor installations\*\* which are usually exposed to strong sunlight and various environmental changes.

\* 86XF3SK is LG-internally tested based on international environment test standard IEC 600680205, MIL-STD-810G and TTA (Telecommunication Technology Association).

\*\* 86XF3SK needs to be installed inside a casing according to LG's official installation guide to be used safely and appropriately. The installation guide is provided by LG.



## Smart Brightness Compensation

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

\* Back Light Unit



## Conformal Coating

Conformal Coating\* improves reliability of the circuit board, power board by protecting it against humidity.

\* Conformal Coating : Thin protective films/breathing membranes that filter water vapor.



### Smart 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.



### Electrical Safety

Circuit breaker inside 86XF3SK minimizes the possibility of product damage by cutting off current when abnormal current is detected.



### High-Performance with LG webOS 6.0

LG webOS 6.0, upgraded in SoC\* and web engine, is available on 86XF3SK for a smooth execution of several tasks. LG webOS smart signage platform enhances user convenience with intuitive GUI.\*\*

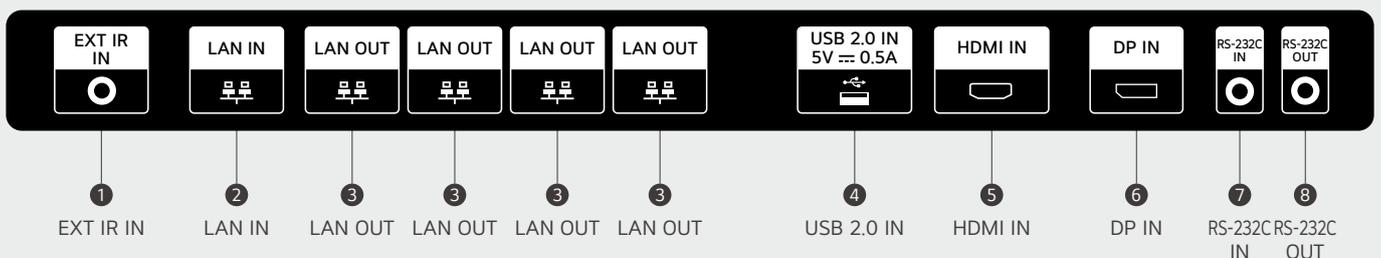
\* SoC : System On Chip  
 \*\* GUI : Graphical User Interface



### Web Monitoring (Control Manager)

This is a web-based monitoring solution, which provides easy control for the user. It enables users to have full access anywhere, anytime from their mobile phone & PC as long as they're connected to a network to monitor and control the displays remotely in real-time.

## CONNECTIVITY



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