



* All images in this datasheet are for illustrative purposes only and may differ from the actual product.
 * Stand accessories differ by models, and need to be purchased separately.

LG MAGNIT Essential LASA136

All-in-One Micro LED Display



All-in-One
LED Screen



Built-in Speaker



Dedicated
Accessories



Easy Installation &
Quick Maintenance

LASA136

Inch	136"
Pixel Pitch	1.56 mm
Brightness	600 nits (After Calibration, Typ.)
Screen Resolution	1,920 × 1,080
Service Access	Front
Speaker	Built-in (9 W + 9 W)
Controller	Embedded (webOS)



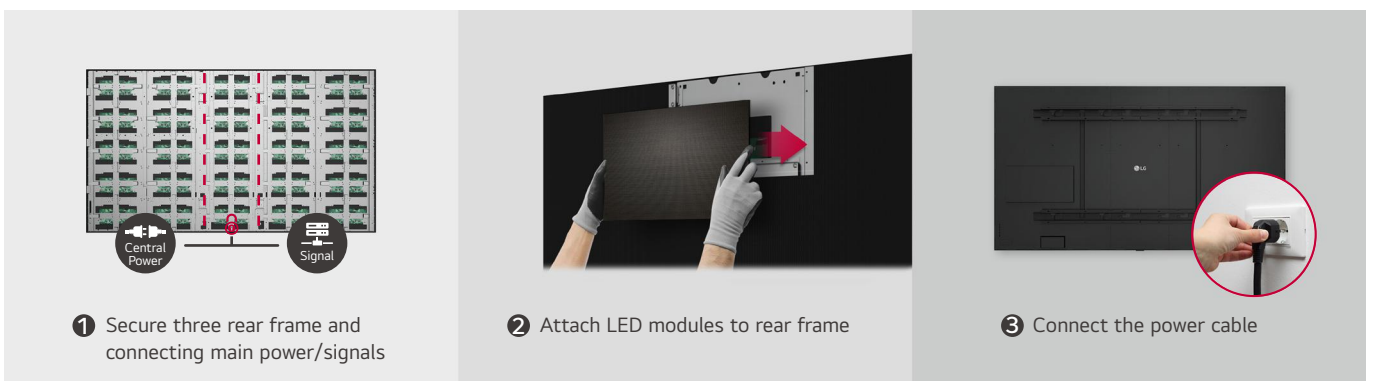
Achieving Deep Black with COB Micro LED Technology

LASA136 applies COB Micro LED technology, in which micro-sized LED chips are directly bonded to the circuit board. Compared to conventional SMD-type LED structures, this design can help reduce light reflection and support improved contrast, providing a more immersive and visually distinctive viewing experience.



All-in-One LED Screen with Built-in Speaker

Experience the convenience of LG MAGNIT Essential LASA136, featuring a stunning 136-inch screen. This all-in-one package includes an embedded controller and built-in speaker, making setup a breeze. Dispelling the notion that LED displays are difficult and complex to install, it requires no controller connections or module configuration.



Easy Installation

The installation process of the LG MAGNIT Essential LASA136 is very simple. After securing three rear frames which are included in the kit, attach each LED modules to them. Lastly, plug in the one power cable. This simple installation saves time and labor, allowing users to easily manage the LED screen with ease.

* The image is illustrated as an example of LASA136.



Quick Maintenance

In case of failure related to the LED module or the system board, it can be serviced from the full front side. The LED module can be simply detached by the provided suction cup tool and replaced quickly without cabling.

* Full front service access available.

* Images are simulated for demonstration purposes and may differ from actual use.

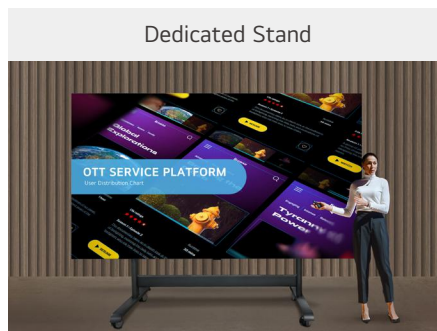


Simple Power Connection

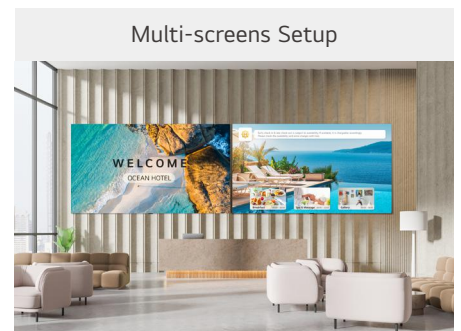
The LASA136 is operated with Single AC cable without the need for a complicated power connection and enables neat installation.



Landscape Wall Mount



Dedicated Stand



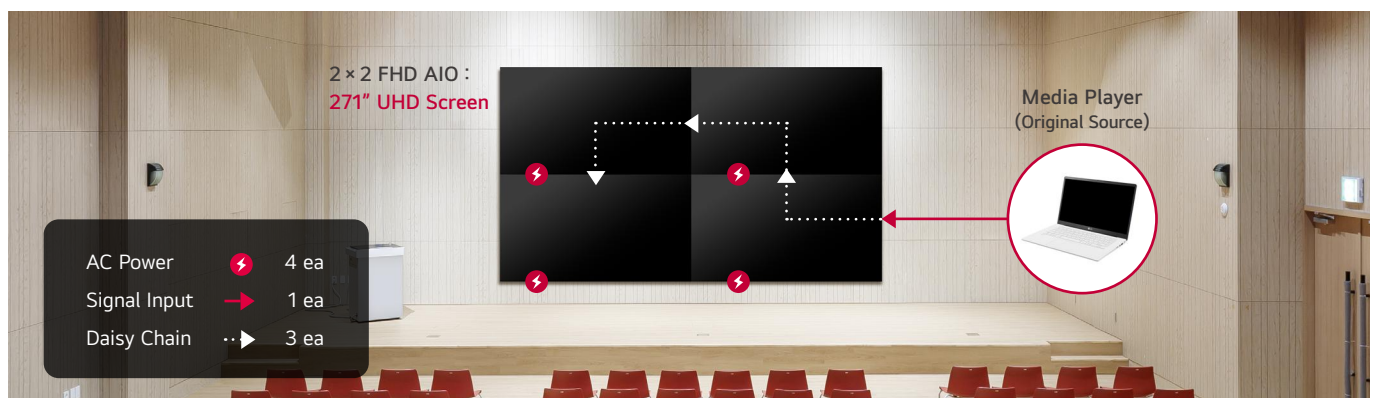
Multi-screens Setup

Versatile Installation with Dedicated Accessories

The product is offered with key components including the landscape wall mount and tools for installation. For added convenience, a dedicated stand is available as an option, allowing you to easily position the screen based on your installation needs. Additionally, the LASA136 supports seamless side-by-side installation in 1 × 2, 2 × 1, or 2 × 2 configurations, allowing up to four screens depending on the installation site and application.

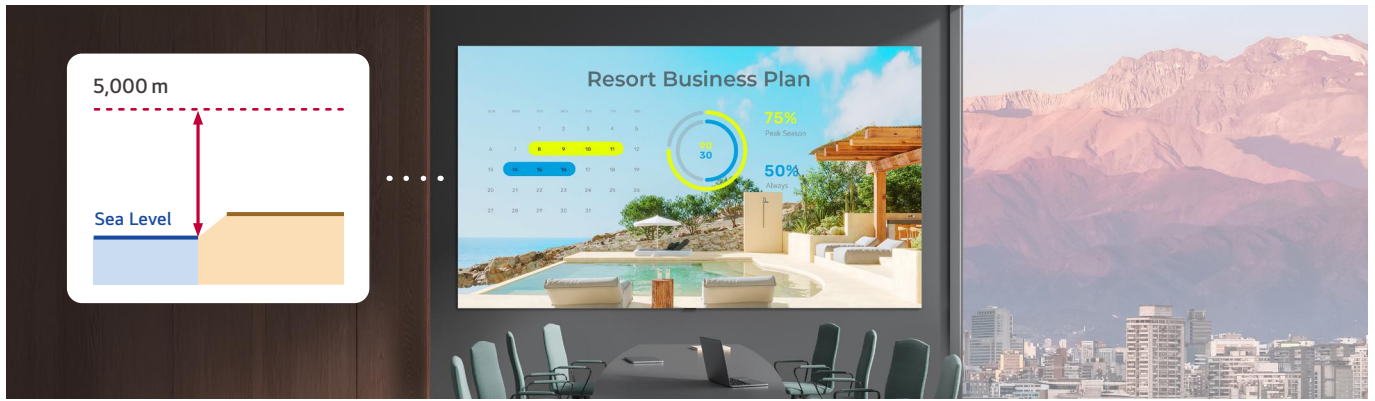
* For multi-screen configuration, an expansion kit is required.

* The Expansion kit and stand accessories are sold separately; stand-type installations do not support multi-screen expansion.



DP Daisy Chain Capability

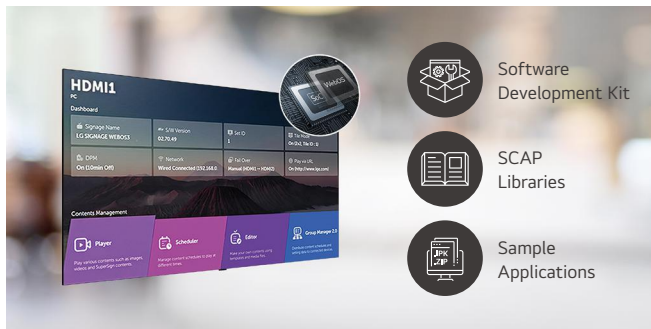
LASA136 supports DisplayPort (DP) daisy chain connectivity, allowing multiple displays to be connected through a single signal input from a media player for easy video wall setup. When used with the Video Wall feature, DP daisy chain enables configurations up to 4K resolution without requiring a separate signal distributor.



5,000 m Operational Capability

LASA136 is designed for operation at 5,000 m above sea level. To cope with the requirement of 5,000 m altitude application, the existing SMT type 20 W PSU mounted on the power board has been exchanged to new 45 W PSU that could comply with 5,000 m altitude operation requirement.

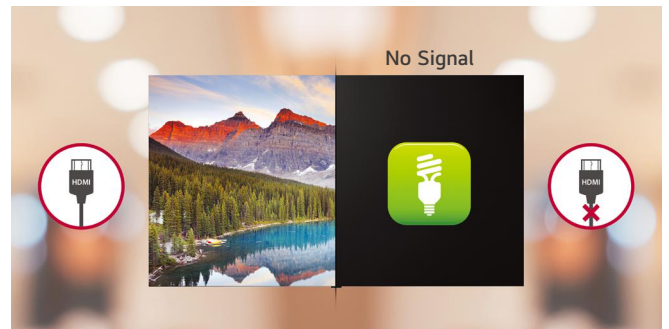
* Actual results or performance may vary depending on the use environment.



High Performance with webOS

Built-in Quad Core SoC can execute several tasks at once while providing smooth content playback without the need for a media player.

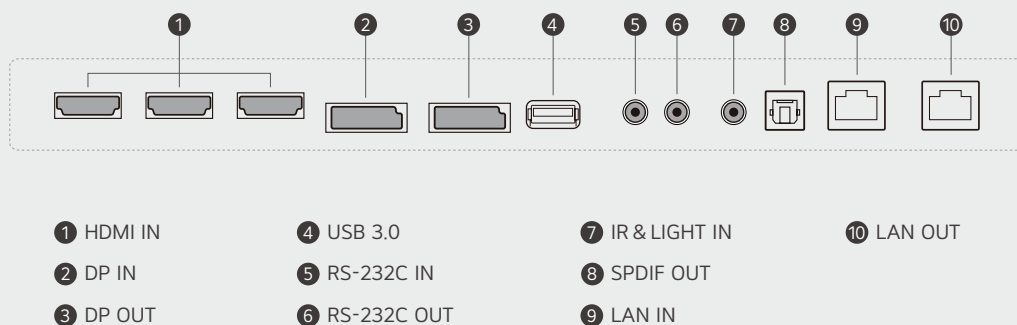
* The webOS Signage Developer site (<http://webossignage.developer.lge.com>) provides SDK tools and documentation for creating apps on LG Digital Signage. This is only open to partners.



Display Power Management (DPM)

DPM function makes LED screen enter Stand-by model in a certain period when there is no signal from input source device that helps power saving management.

CONNECTIVITY



SPECIFICATIONS

LASA136BPND

Physical Parameters	Pitch Name	P1.56
	Pixel Configuration	COB
	Pixel Pitch (mm)	1.56
	Module Resolution (W × H)	192 × 108
	Module Dimensions (W × H, mm)	300 × 168.75
	No. of Modules per Screen (W × H)	10 × 10 (Total 100)
	Screen Resolution (W × H)	1,920 × 1,080
	Screen Dimensions (W × H × D, mm)	3,005 × 1,692.5 × 32 (Thickest 62.05)
	Screen Surface Area (m ²)	5.06
	Screen Weight (kg)	111
	Physical Pixel Density (pixels/m ²)	410,208
	Flatness of Cabinet (mm)	±0.10
	Cabinet Material	Aluminum
	Service Access	Front
Optical Specifications	Brightness (After Calibration, nit)	600 (Typ.)
	Color Temperature (K)	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 160
	Brightness Uniformity	98%
	Color Uniformity	±0.010 Cx,Cy
	Contrast Ratio	15,000 : 1 @ 10 lux
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Screen, Max.)	1,200
	Power Consumption (W/Screen, Avg.)	500
	Power Consumption (W/m ² , Max.)	237
	Heat Dissipation (BTU/h/Screen, Max.)	4,092
	Heat Dissipation (BTU/h/Screen, Avg.)	1,706
	Heat Dissipation (BTU/h/m ² , Max.)	809
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	3,840
Operation Specifications	Lifetime (Half Brightness)	150,000
	Operating Temperature (°C)	0 to +40
	Operating Humidity	10-90% RH
	IP Rating (Front / Rear)	IP30 / IP30
Standard	Certification	CE, FCC, ETL, CB, CE-RED, EMC Class A
	Certification (Fire Protection)	BS476 Part 7 Class 1
Speaker		Built-in (9 W + 9 W)
Environment		RoHS, REACH
Controller		Embedded (webOS)
I/O Port		HDMI (3), DP In, DP Out, USB, LAN, RS-232C In/Out, IR, Digital Audio Out (SPDIF Optical)
Wi-Fi / Bluetooth		Yes / Yes
etc.		IR Remote (In-box), Side by Side : Yes

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.



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