

# **LAEC Product Kit**

All-in-One Smart

1. LG All-in-One LED Line-up
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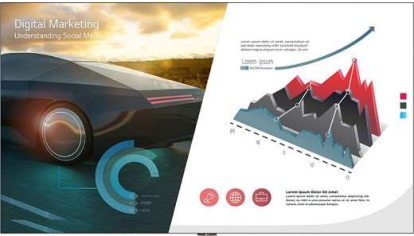
Jun. 2023

# 1. LG All-in-One LED Line-up

Model

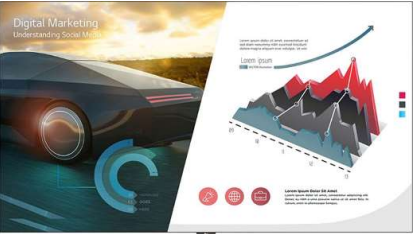
MAGNIT COB **LAAA015-G2**

**136"** 2K (P1.5)



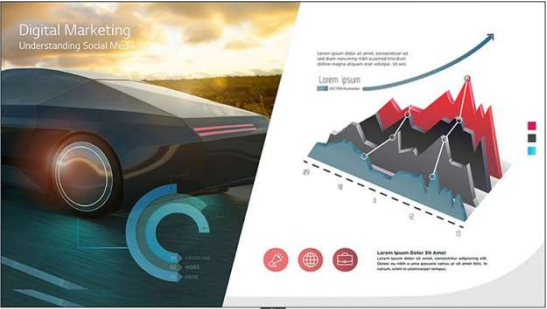
**LAEC015-GN2**

**136"** (P1.5)



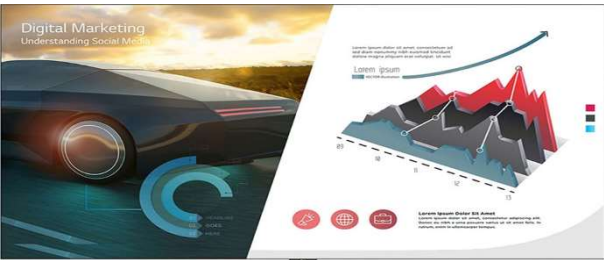
**LAEC018-GN2**

**163"** (P1.8)



Aspect ratio21:9 **LAED015-GN**

**171"** (P1.5)



- COB technology
- Full HD

Suffix	Pixel Configuration	Pixel Pitch	Size	Resolution	Brightness After Calibration	Refresh Rate	Dimensions
LAAA015-G2.AEU	MicroLED	1,56 mm	136"	1920 x 1080	500 Peak: 1,000	3.840 Hz	3.005 x 1.742x 54,9 Thickest 57.4
LAEC018-GN2.AEUQ	SMD	1,8 mm	163"	1920 x 1080	500	3.000 Hz	3.604 x 2.029 x 45,5 Thickest 81
LAED015-GN.AEUQ	SMD	1,56 mm	171"	2560 x 1080	500	2.880Hz	4.004 x 1.692 x 36.5 Thickest 70
LAEC015-GN2.AEUQ	SMD	1,56 mm	136"	1920 x 1080	500	3.960 Hz	3.004 x 1.692 x 36.5 Thickest 70

- 2 piece fast installation

- Meeting room features

- One:Quick sharing, office meeting mode,  
Magic Remote support, screen freeze

- Size expansion for board meeting rooms  
and executive offices

- 2 piece fast installation

- Meeting room features

- One:Quick sharing, office meeting mode, Magic Remote support, screen freeze

- 3 piece installation: 16:9(136") + 5:9

- More screen estate for more data

- Suitable for wide aspect ratio content  
and new video conference features  
(e.g. MS Teams Front Row)

## 2. USP

### Features from LG webOS Smart Platform

#### DPM(Display Power Management)

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



#### IP Network Control

All-in-one Screen can be controlled and managed by not just Serial communication but also over network



#### High Performance SoC

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



#### LG SuperSign CMS

Can play and manage the contents(video, image, SuperSign content, template content) in an integrated way



## 2. USP

### Features from LG webOS Smart Platform

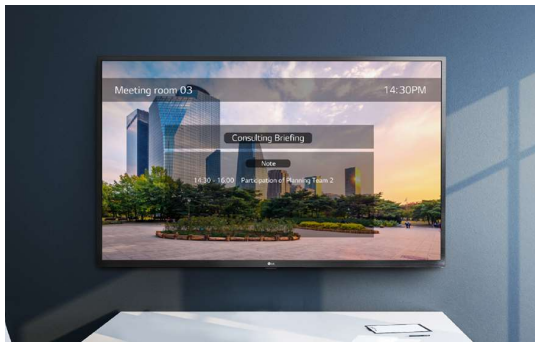
#### CrestronConnected Certified

LAEC is certified with Crestron Connected proving that it has a higher level of compatibility for professional AV controls. This results in seamless integration and automated control, boosting business management efficiency



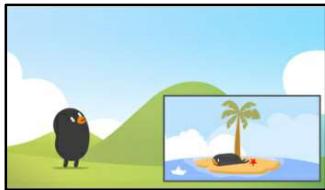
#### Office Meeting Mode

Sets meeting guide screen details(meeting room number, current time), activates input auto switching, presentation timer, and other settings such as auto bright / picture mode / editing input name to suit the office environment



#### PIP / 2PBP

Shows 2 screens in a single display from 2 different external inputs



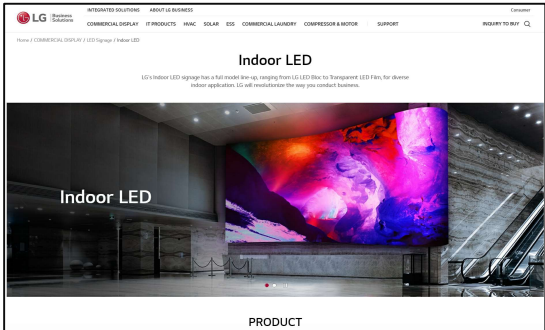
**PIP**  
Picture-in-Picture



**2 PBP**  
2 Picture-by-Picture

#### Play via URL

Play content you want to play automatically through the built-in web browser



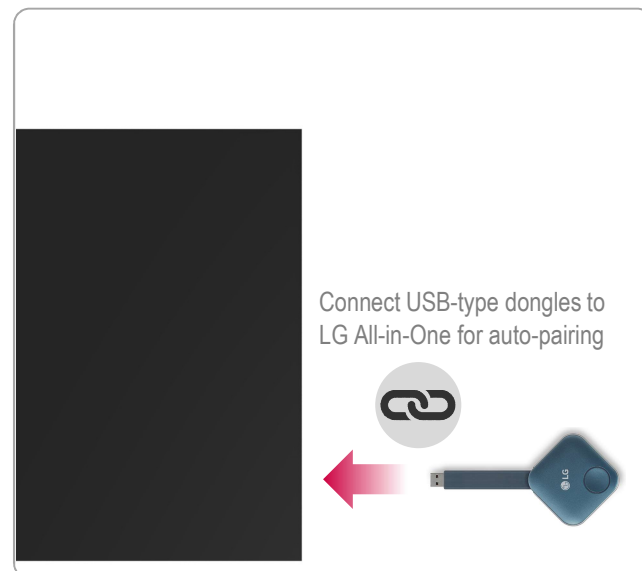
## 2. USP

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### Start Working with Simple and Easy Connection

LG One:Quick Share is a wireless screen sharing solution available through LG All-in-One LED, USB transmission unit(SC-00DA) for PC, and its app. With One:Quick Share, you can simply share personal PC screen to LG All-in-One LED with easy initial setup to use, as well as availability to manage LG Signage's basic functions\*.

Easy Pairing



Plug and Play



Wireless Screen Share with One Click





## 2. USP

### Magic Remote

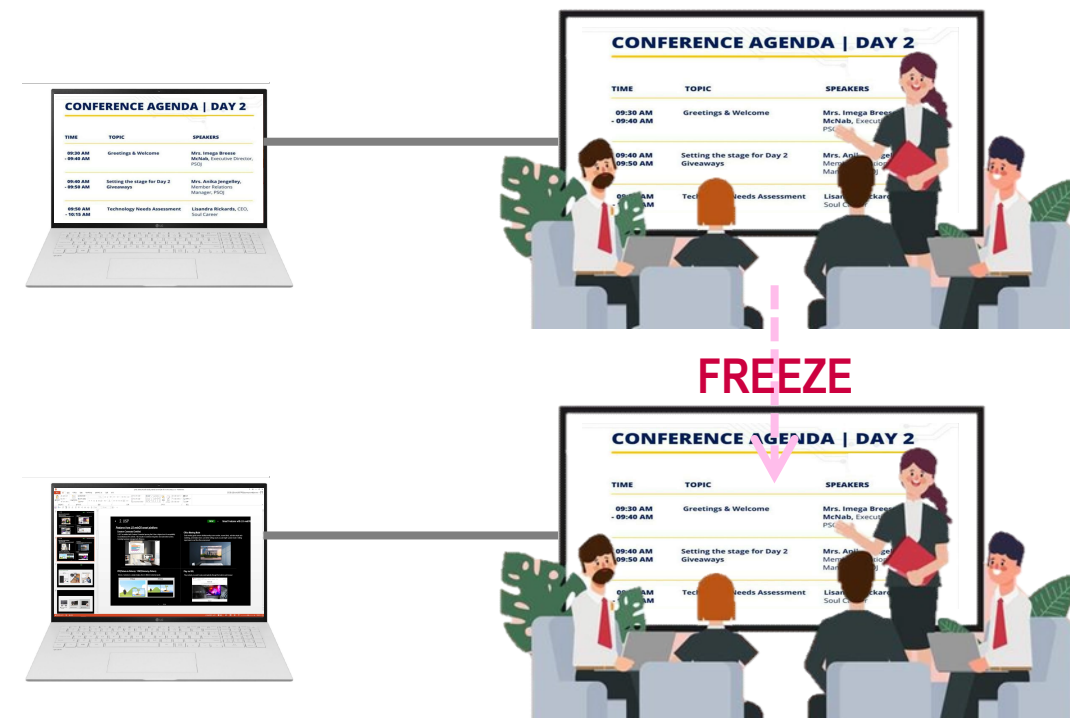
New remote, LG Magic Remote, provides better usability. Users can use the Magic Remote like a mouse to select and run the menu on the screen. Also, its cursor can be used as a presentation tool replacing the laser pointer.

\* Accessory to be separately purchased



### FREEZE

If a user presses 'FREEZE' key on the Magic Remote with LAEC connected to an external input (e.g. laptop), the screen of an external input is paused, which makes a user can change a PC without having to expose one's PC screen to LAEC. \* Only available on an external input screen by Magic Remote

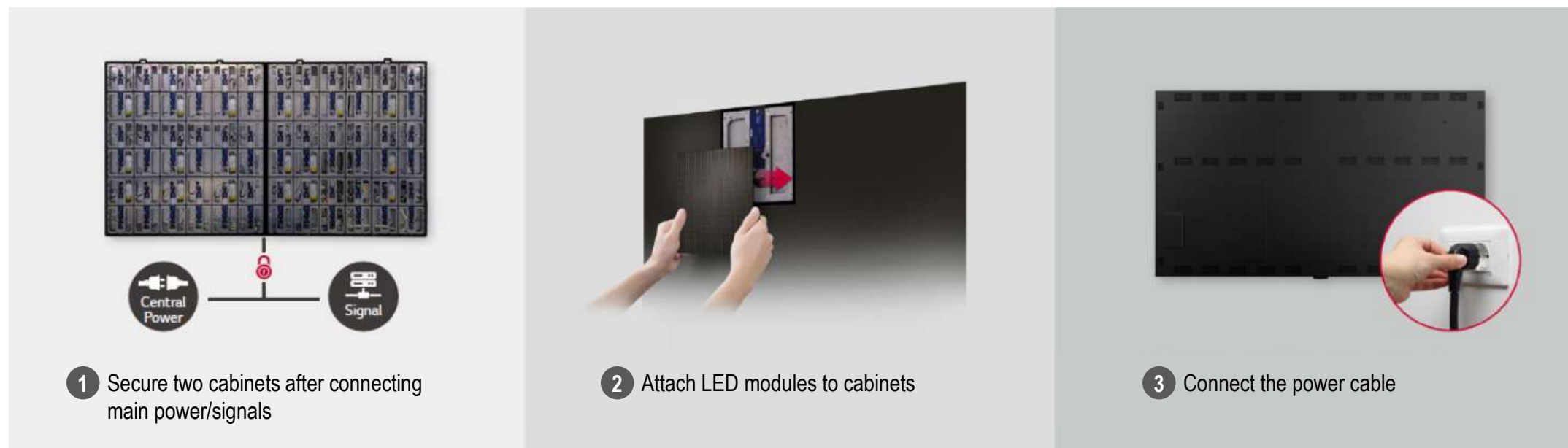


## 2. USP

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### Easy Installation

The installation process of the All-in-one Essential series is very simple. After securing two cabinets which are included in the flight kit, attach each LED display module to them. Lastly, plug in the power cable. This hassle-free installation saves time and labor, thereby making users handle the LED screen with ease.



## 2. USP

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### Quick Maintenance

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



### Simple Power Connection

The LAEC series is operated with a single or double AC cable\* without the need for a complicated power connection and enables neat installation.

\* One AC cable for 220VAC, Two for 110VAC





## 5. Model Codes

Type		Model Code	
		136"	163"
Screen	Screen	LAEC015-GN2/GN3 <small>Packed in 1 Flight Kit</small>	LAEC018-GN2 <small>Packed in 2 Flight Kits due to size</small>
Optional Accessories	Floor Stand	ST-1364F <small>Height Fixed</small>	ST-1630F <small>Height Fixed</small>
	Expansion Installation Kit    Bracket for Horizontal Connection	KT-136EP-HB	KT-163EP-HB
	Expansion Installation Kit    Bracket for 2-line Vertical Connection	KT-136EP-VB	KT-163EP-VB
	Expansion Installation Kit    Bezel Frames(L/R) for 2-line Vertical Connection	KT-136EP-BF	KT-163EP-BF
	Magic Remote Control	AM-MR21LS	

## 2. USP

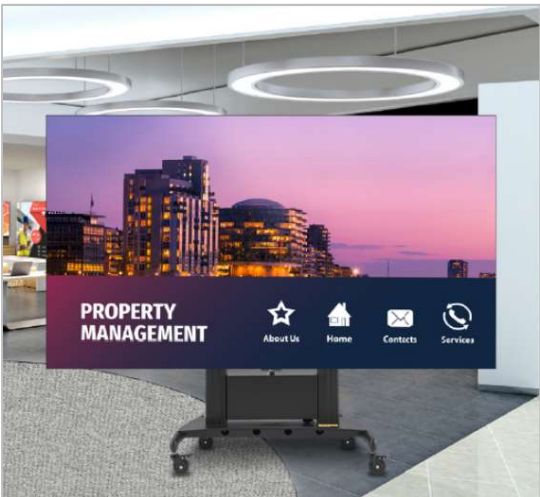
### Dedicated Installation Accessories

The dedicated accessories for the screen saves additional time and trouble except for the screen itself.

Wall-mount



Floor Stand



\* Available for purchase separately  
\*\* 136" Stand : Height Adjustable(2.0~2.5m)  
163" Stand : Height NOT Adjustable(fixed)

Expansion Installation

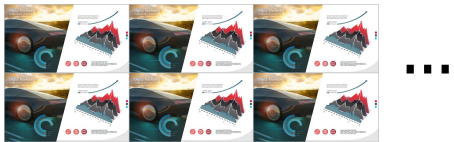


1 x N Expansion



...

2 x N Expansion



...

When expansion, the total number of screens must NOT EXCEED 14ea (the quantity produced in one batch)

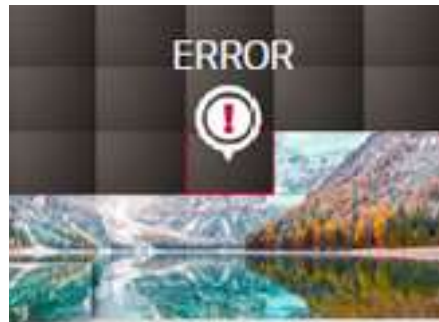
## 2. USP

### Signal Redundancy

LAEC is designed to support signal redundancy, which make users assure the continuous operation of the screen even when an error such as a signal board or cable connection occurs.

No additional installation for signal redundancy is needed(it is factory-applied)

Without Signal Redundancy



With Redundancy



### Real-time LG ConnectedCare

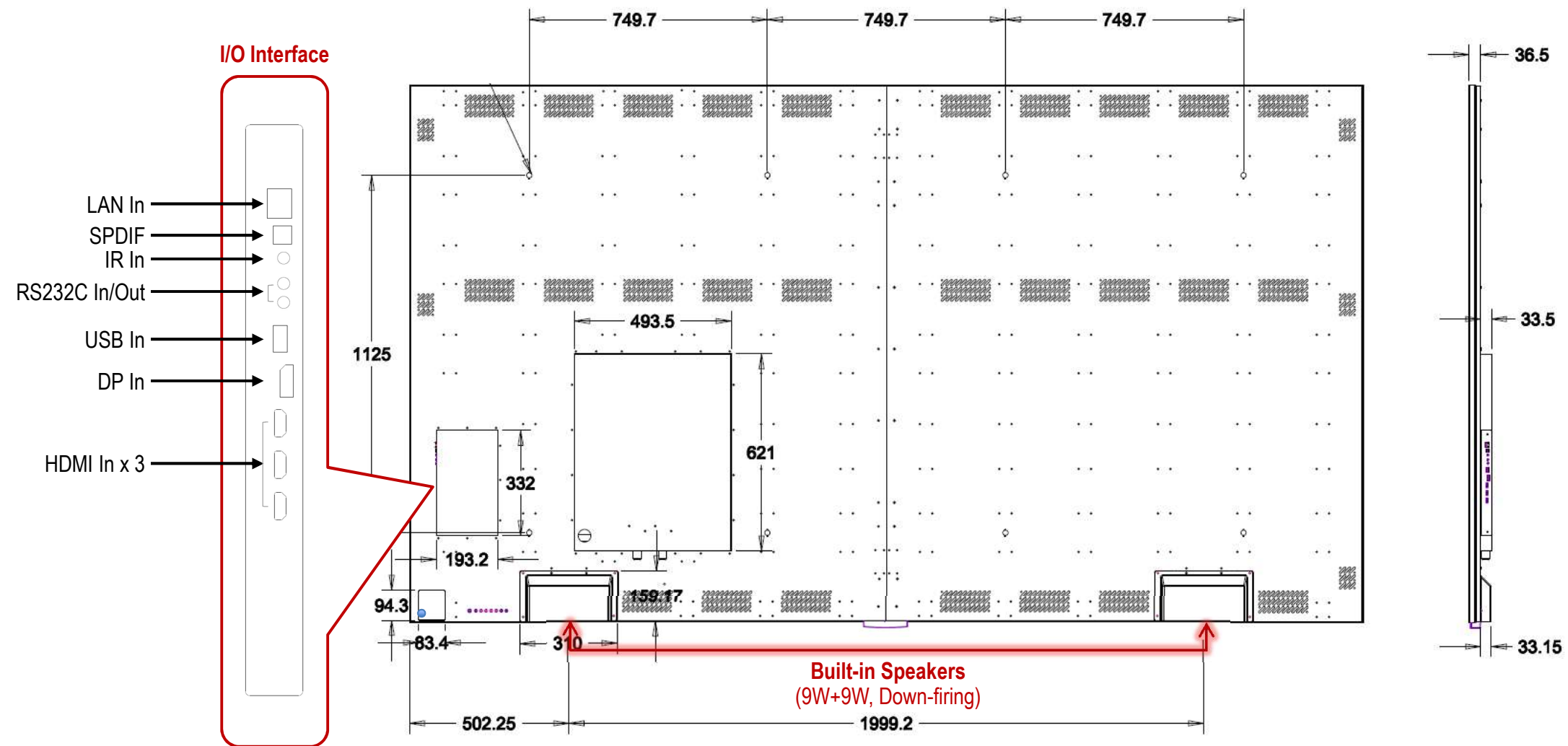
The maintenance gets easier and faster with an optional service LG ConnectedCare, a cloud service solution provided by LG service. It remotely manages status of LED displays in client workplaces for fault diagnosis and remote-control services.



\* The items that can be monitored by LG ConnectedCare :  
Main Board(Temp., Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card(Temp., LED Power)

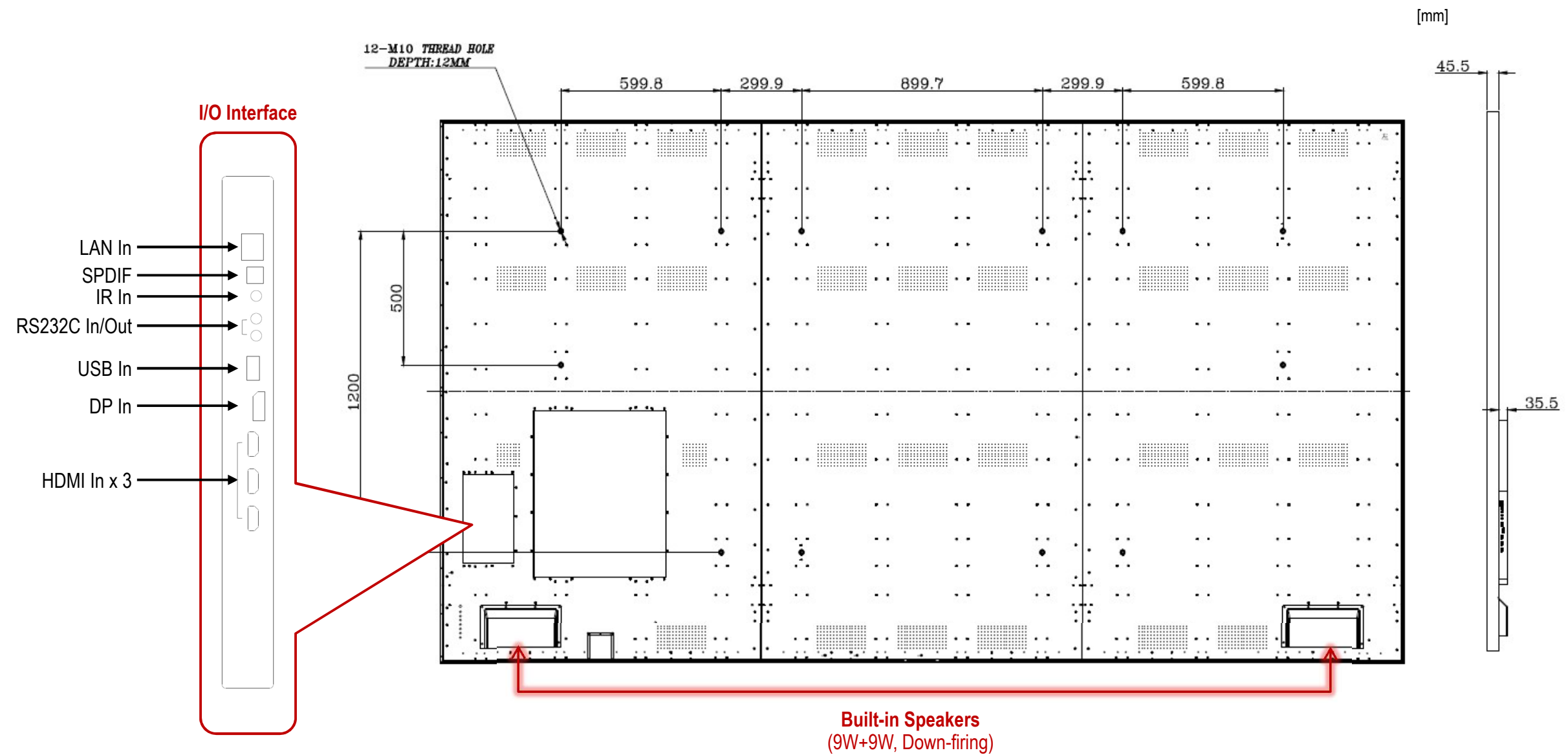
### 3. Dimension

LAEC015-GN2/GN3 (136")



### 3. Dimension

LAEC018-GN2 (163")





## 4. Specification

	Model Name	LAEC015-GN2	LAEC018-GN2
Physical Parameters	Pixel Configuration	Single SMD	Single SMD
	Pixel Pitch(mm)	1.5625	1.875
	Screen Resolution	1,920x1,080	1,920x1,080
	Module Dimensions(WxH,mm)	250x281.25	300x168.75
	No. of Modules per Screen (WxH)	12x6 (Total 72)	12x12 (Total 144)
	Screen Resolution (WxH)	1,920x1,080	1,920x1,080
	Screen Dimensions (W x H x D, mm, including bezel)	3,004x1,692x36.5 (Thickest 70)	3,604x2,029x45.5 (Thickest 81)
	Screen Surface Area (m²)	5.063	7.290
	Weight of the screen	132	190
	Physical Pixel Density (pixels/m²)	409600	284444
	Flatness of between LDMs (mm)	±0.2	±0.2
	Unit Case material	Die-casting Aluminum	Die-casting Aluminum
	Service access	Front	Front
Optical Specifications	Max. Brightness (After Calibration)	500	500
	Color Temperature	3,200~9,300	3,200~9,300
	Visual Viewing Angle (Horizontal)	160	160
	Visual Viewing Angle (Vertical)	160	160
	Brightness Uniformity	98%	98%
	Color Uniformity	±0.015Cx,Cy	±0.015Cx,Cy
	Contrast Ratio	3,000:1	3,000:1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Screen, Max.)	1,700	2,200
	Power Consumption (W/Screen, Avg.)	680	880
	Power Consumption (W/m², Max.)	336	302
	Power Consumption (BTU/h/Screen, Max.)	5,800	7,506
	Power Consumption (BTU/h/Screen, Avg.)	2,321	3,004
	Power Consumption (BTU/h/m², Max.)	1,146	1,030
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	3,960	3,000
Operation Specifications	LED Lifetime (Half brightness)	100,000	100,000
	Operating Temperature(°C)	0°C to +40°C	0°C to +40°C
	Operating Humidity	10~80%RH	10~80%RH
	IP rating Front	IP30	IP30
	IP rating Rear	IP20	IP20
	Speaker	Built-in(9W+9W)	Built-in(9W+9W)
	Certification	CE,FCC,ETL,CB	CE,FCC,ETL,CB
	Environment	RoHS, REACH	RoHS, REACH
	Controller	Embedded(webOS)	Embedded(webOS)
	I/O Port	HDMI(3), DP(1), USB, LAN, RS232C In/Out, IR, SPDIF	HDMI(3), DP(1), USB, LAN, RS232C In/Out, IR, SPDIF

**Innovation for a Better Life**



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