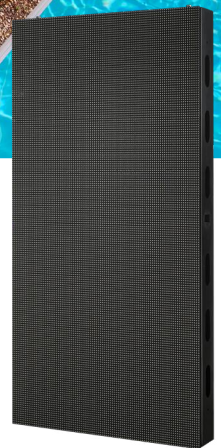




* All images in this datasheet are for illustrative purposes only.

Outdoor LED GNEA

Outdoor LED Display for Seaside Environments



Durability for Rough Environment



Safe Installation and Maintenance



High Refresh Rate



Compatibility with LG Software Solutions

GNEA

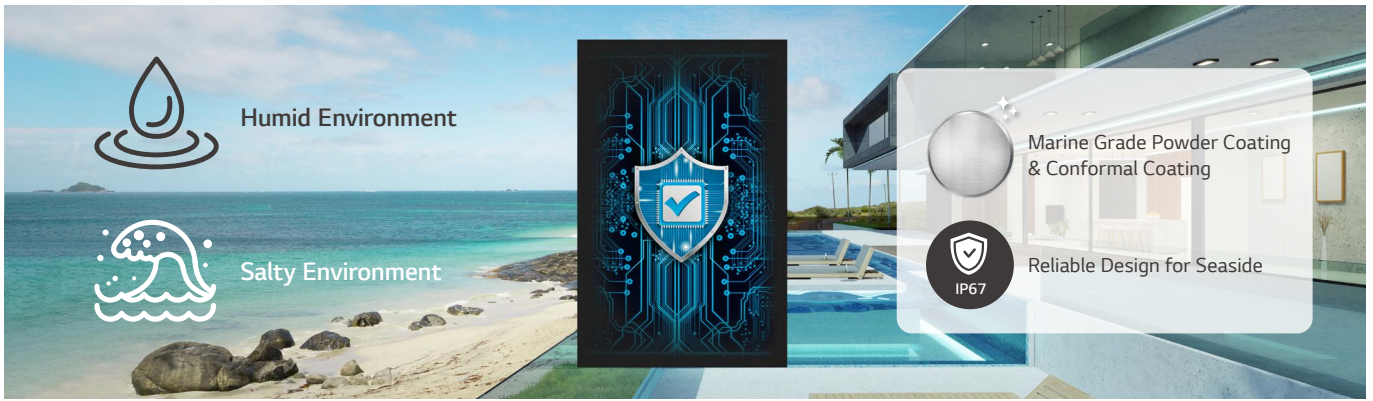
Pixel Pitch 6.25 / 8.33 / 10 mm

Brightness 6,000 nit

Weight per Cabinet 40 kg/Cabinet

Service Access Rear

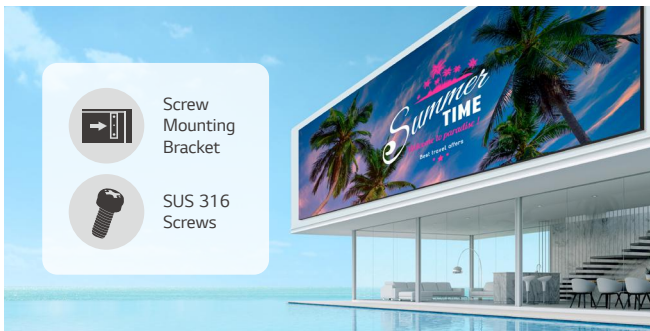
IP Rating IP67



Durability for Rough Environment

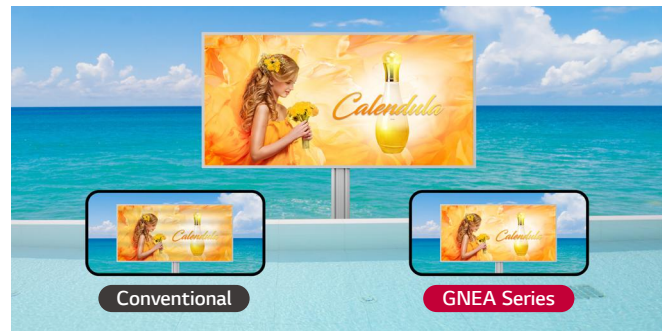
GNEA series provides durability with marine-grade powder coating and conformal coating to protect against salinity and corrosion in marine environments and weather conditions. Both the front and rear of the cabinet are IP67-certified and offer reliable designs for seaside, allowing stable power and data connections protected by outdoor environmental factors such as wet weather and the salinity.

* Metal parts meet Qualicoat standards.



Safe Installation and Maintenance

GNEA series offers safe and hassle free installation and maintenance with a powerful screw mounting bracket. Applying SUS 316 screws further protects against salt corrosion, leading to increased durability.



High Refresh Rate

A high refresh rate of 7,680 Hz assures the smooth playback of content. The flicker-free image prevents the black bars that typically occur during video playback, and reduces eye strain and blurred images for viewers.



Compatibility with LG Software Solutions

When connected with LG's CVEA system controller, the GNEA series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare, which help customers operate their own business properly.

* The availability of the 'LG ConnectedCare' service differs by region, and it needs to be purchased separately. So please contact the LG sales representative in your region for more details.

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

* Actual GUI may vary in different webOS versions.

* SuperSign CMS service needs to be purchased separately.

SPECIFICATIONS

		GNEA062-GN	GNEA083-GN	GNEA100-GN
Pitch Name		P6.25	P8.33	P10.00
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	6.25	8.33	10.00
	Module Resolution (W × H)	64 × 64	48 × 48	40 × 40
	Module Dimensions (W × H, mm)	400 × 400	400 × 400	400 × 400
	Weight per Module (kg)	2.45	2.45	2.45
	No. of Modules per Cabinet (W × H)	2 × 4	2 × 4	2 × 4
	Cabinet Resolution (W × H)	128 × 256	96 × 192	80 × 160
	Cabinet Dimensions (W × H × D, mm)	800 × 1,600 × 143.5	800 × 1,600 × 143.5	800 × 1,600 × 143.5
	Cabinet Surface Area (m ²)	1.280	1.280	1.280
	Weight per Cabinet (kg/Cabinet)	40.0	40.0	40.0
	Weight per Square Meter (kg/m ²)	31.3	31.3	31.3
	Physical Pixel Density (pixels/m ²)	25,600	14,400	10,000
	Flatness of Cabinet (mm)	±1.0	±1.0	±1.0
	Cabinet Material	Al	Al	Al
	Service Access	Rear	Rear	Rear
Optical Specifications	Max. Brightness (After Calibration, nit)	6,000	6,000	6,000
	Color Temperature (K)	3,500-8,500	3,500-8,500	3,500-8,500
	Visual Viewing Angle (H × V)	160 × 130	160 × 125	160 × 115
	Brightness Uniformity	97%	97%	97%
	Color Uniformity	±0.05 Cx, Cy	±0.05 Cx, Cy	±0.05 Cx, Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	6,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	940	950	920
	Power Consumption (W/Cabinet, Avg.)	376	380	368
	Power Consumption (W/m ² , Max.)	734	742	719
	Heat Dissipation (BTU/h/Cabinet, Max.)	3,208	3,242	3,140
	Heat Dissipation (BTU/h/Cabinet, Avg.)	1,283	1,297	1,256
	Heat Dissipation (BTU/h/m ² , Max.)	2,506	2,533	2,453
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	7,680	7,680	7,680
Operation Specifications	LED Lifetime (Half Brightness)	100,000	100,000	100,000
	Operating Temperature (°C)	-30 to +50	-30 to +50	-30 to +50
	Operating Humidity	0-90% RH	0-90% RH	0-90% RH
	IP Rating Front / Rear	IP67 / IP67	IP67 / IP67	IP67 / IP67
Certification		CE / FCC / ETL	CE / FCC / ETL	CE / FCC / ETL
Environment		RoHS, REACH	RoHS, REACH	RoHS, REACH
Controller		CVEA	CVEA	CVEA
90 Degree Corner Cut		Yes	Yes	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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