Indoor LED LBCG

LED Display for Virtual Production

Easy Installation and Maintenance

Curve Effect Available

Stacking & Hanging System Available

Broadcast Quality Available

Power UI/UX with Megapixel VR HELIOS LED Processing Platform

LBCG	
Pixel Pitch	2.60 mm
Brightness	1,500 nit
Weight per Cabinet	6.2 kg/Cabinet
Service Access	Front or Rear (Select One Only)
IP Rating Front / Rear	IP30 / IP30

Magnetic Assembly

Positioning Pins

Fast Lock &
One-handed Control

Comfortable Handles
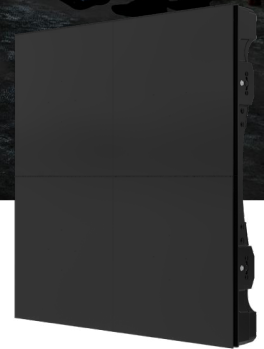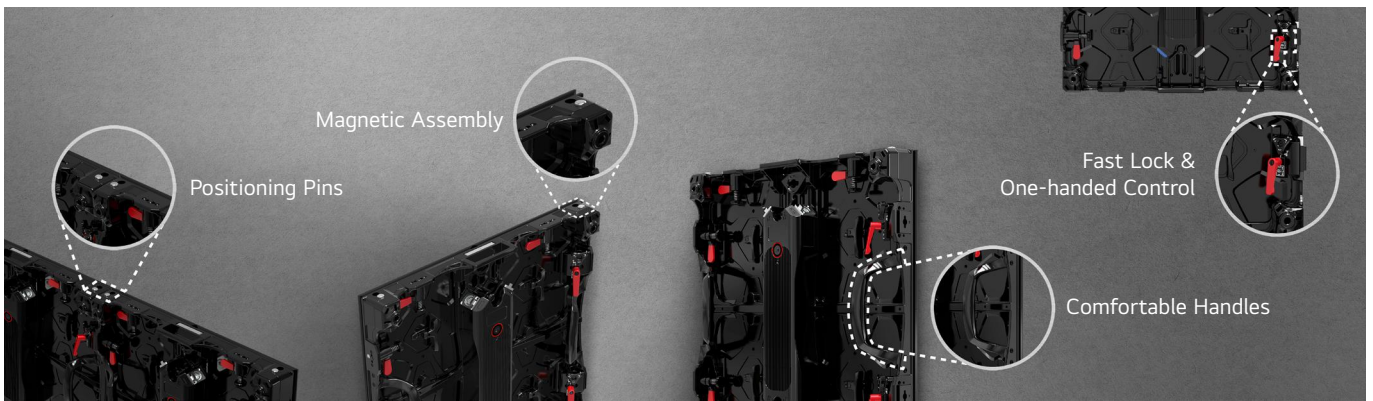
Easy Installation & Maintenance

The module can be easily removed using the dedicated tool (with front or rear selective service access). The positioning pins and magnets help perform panel adjustments accurately and quickly, ensuring seamless screen assembly.

Convex

−5°

Concave

+10°
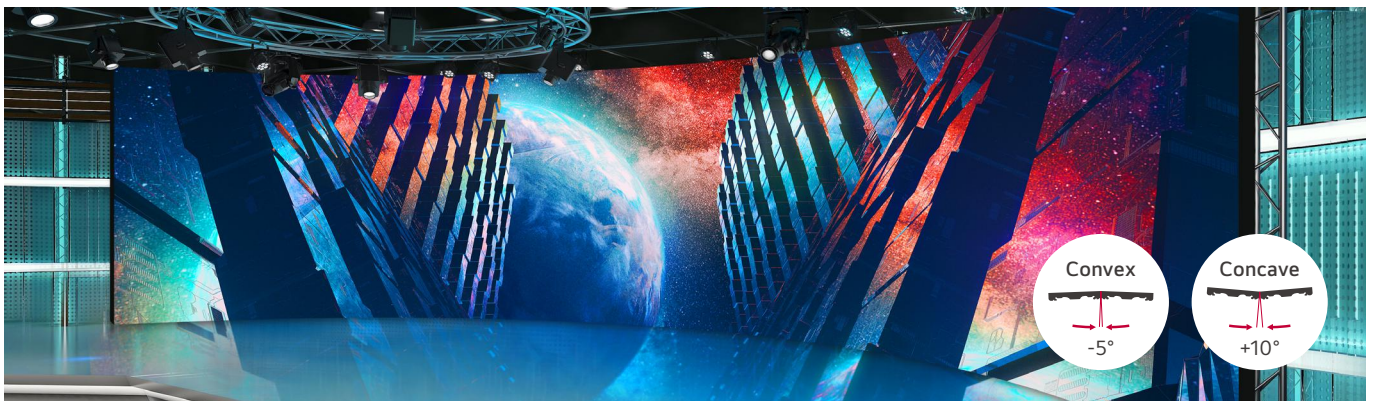
Curve Effect Available

The mechanical connection between the two panels is secured by an angle adapter system and a fast lock, adjustable by 10 degrees in concave areas and 5 degrees in convex areas.

Stacking Installation

Hanging Installation
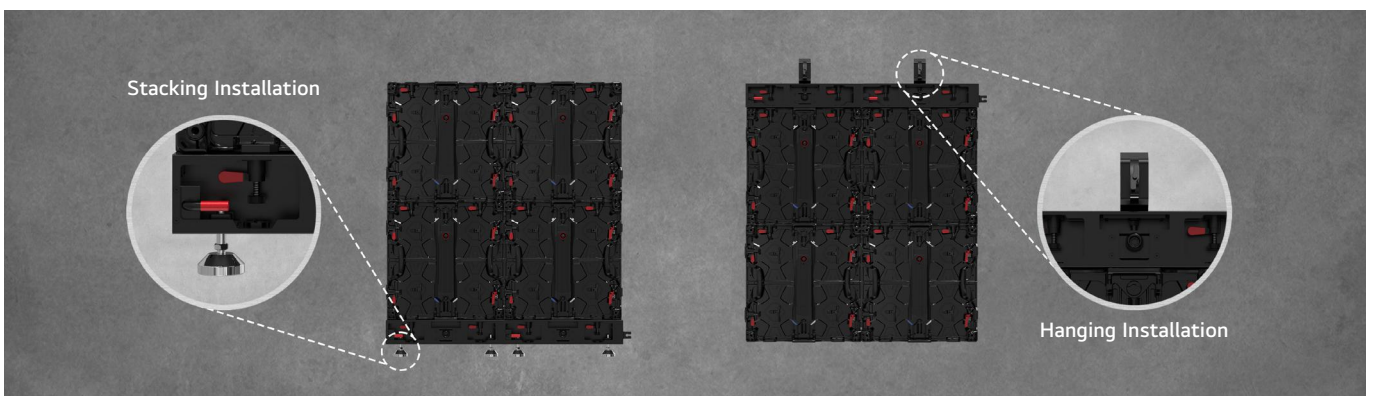
Stacking & Hanging System Available

Installation can be performed by stacking or hanging, using the optional accessories (single, double, triple beams) for customization to the studio environment.

SDR

HDR Enable

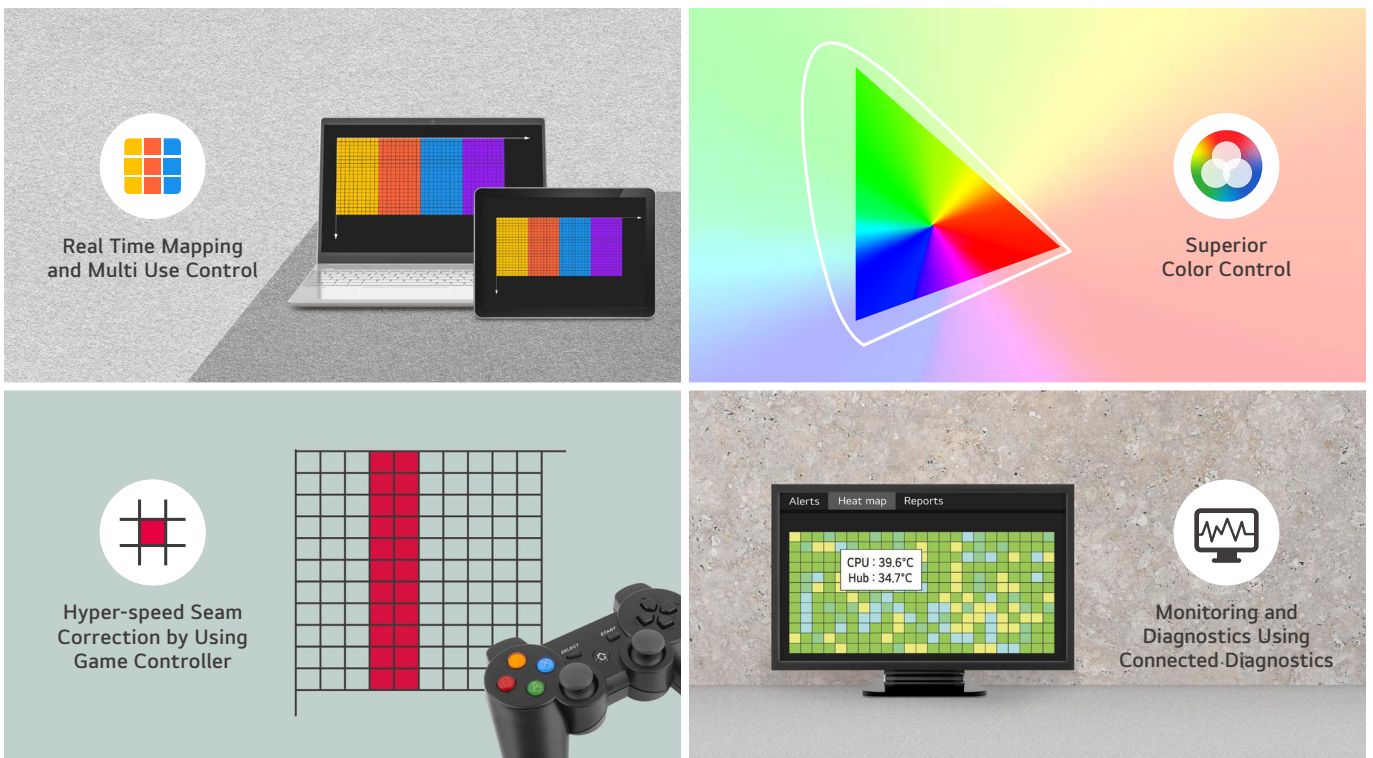Conventional LED Display

High Refresh Rate
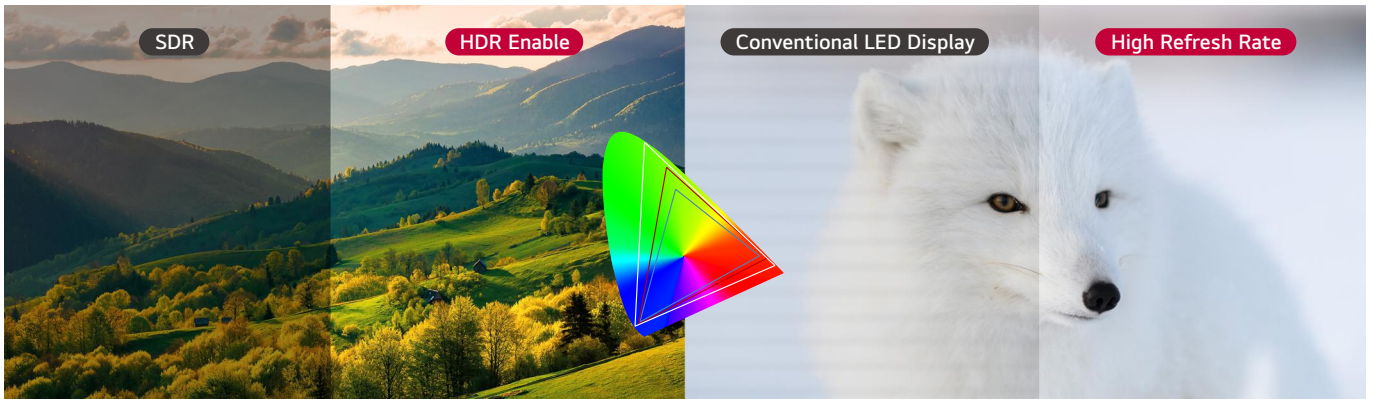
Broadcast Quality Available

Accurate color reproduction, low latency of video processing, and HDR capability.

Real Time Mapping
and Multi Use Control

Superior
Color Control

Hyper-speed Seam
Correction by Using
Game Controller

Alerts | Heat map | Reports

CPU : 39.6°C
Hub : 34.7°C

Monitoring and
Diagnostics Using
Connected Diagnostics

Powerful UI/UX with Megapixel VR HELIOS LED Processing Platform

Thanks to the compatibility between LBCG and the Megapixel VR HELIOS LED processing platform, you can now utilize the powerful UX and UI functionalities offered by HELIOS. HELIOS processing platform includes Real-Time Mapping and Multi-User Control, Superior Color Control, Hyper-Speed Seam Correction using a game controller, and Monitoring and Diagnostics through connected diagnostics.

* Please note that Megapixel VR HELIOS LED processing platform needs to be purchased separately, and depending on the actual usage environment, there may be limitations in the implementation of certain features offered by HELIOS. A game controller needs to be purchased separately.

SPECIFICATIONS

		LBCG026-GM
	Pitch Name	P2.60
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	2.6
	Module Resolution (W × H)	96 × 96
	Module Dimensions (W × H, mm)	250 × 250
	Weight per Module (kg)	0.6
	No. of Modules per Cabinet (W × H)	2 × 2
	Cabinet Resolution (W × H)	192 × 192
	Cabinet Dimensions (W × H × D, mm)	500 × 500 × 75.5
	Cabinet Surface Area (m²)	0.25
	Weight per Cabinet (kg/Cabinet)	6.2
	Weight per Square Meter (kg/m²)	24.8
	Physical Pixel Density (pixels/m²)	147, 456
	Flatness of Cabinet (mm)	±0.15
	Cabinet material	Die-casting Magnesium
	Service Access	Front or Rear (Select One Only)
Optical Specifications	Max. Brightness (After Calibration, nit)	1,500
	Color Temperature (K)	3,500-9,000
	Visual Viewing Angle (H × V)	160 × 160
	Brightness Uniformity	0.97
	Color Uniformity	±0.003 Cx, Cy
	Contrast Ratio	5,000 : 1
	Processing Depth (bit)	16 (PQ, HLG)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	180
	Power Consumption (W/Cabinet, Avg.)	60
	Power Consumption (W/m², Max.)	720
	Heat Dissipation (BTU/h/Cabinet, Max.)	614
	Heat Dissipation (BTU/h/Cabinet, Avg.)	205
	Heat Dissipation (BTU/h/m², Max.)	2,457
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	7,680
Operation Specifications	Lifetime (Half Brightness)	100,000
	Operating Temperature (°C)	-10 to +45
	Operating Humidity	0-80% RH
	IP Rating Front / Rear	IP30 / IP30
Standard	Certification	CE, FCC, ETL
Environment		RoHS, REACH
Controller		Megapixel VR HELIOS LED Processing Platform
90 Degree Corner Cut		No

Megapixel VR HELIOS LED Processing Platform (Controller)

	Cabinet	LBCG
Max Output Range	Loading Capacity	8,192 × 4,320 @ 60 Hz
	Output Resolution	35.3 Million Pixels
Input		HDMI 2.0, HDCP 2.2, DP 1.4 (HBR3), SDI (4 × 12G-SDI), OPS (ST2110)
Output		Optic (To LED Screen (8 × 10G))
Control	LAN	Yes
	GenLock	Yes (In)
Video Processing		Brightness Adjustment, Chroma Adjustment, Improved Grayscale at Low Brightness, Scaling, HDR (PQ, HLG, Custom), EDID Custom
Application		SuperSign CMS (Cross-platform Web Interface), webOS API, Configuration SW (Cross-platform Web Interface)
Mechanical	Size (W × H × D, mm)	481.5 × 44.2 × 393
	Weight (kg)	5.7

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

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