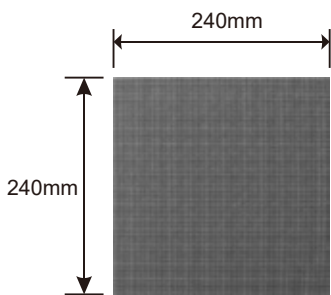


# TW Series

## Fine Pixel Pitch LED Display

High Definition and Clearly Detail Indoor Application

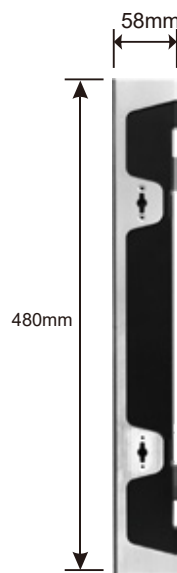




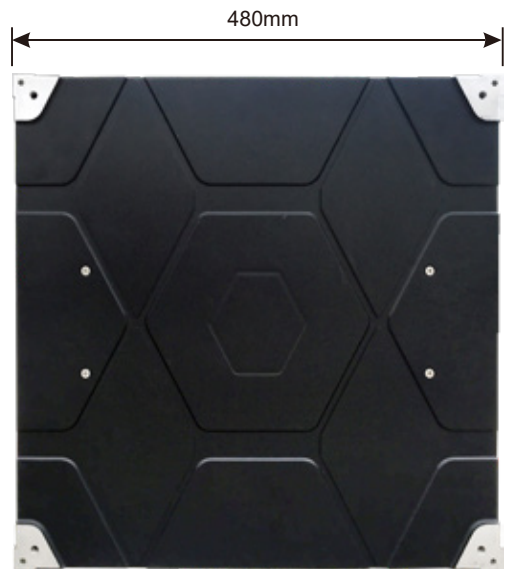
Module Front View



Module Back View



Side



Back

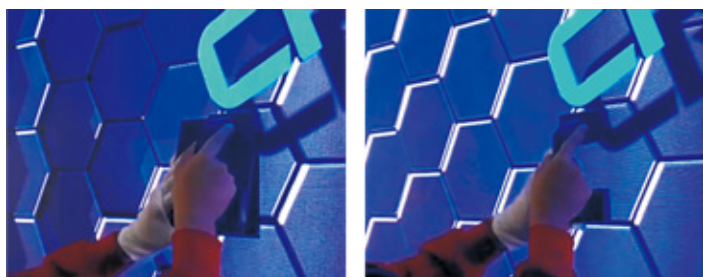
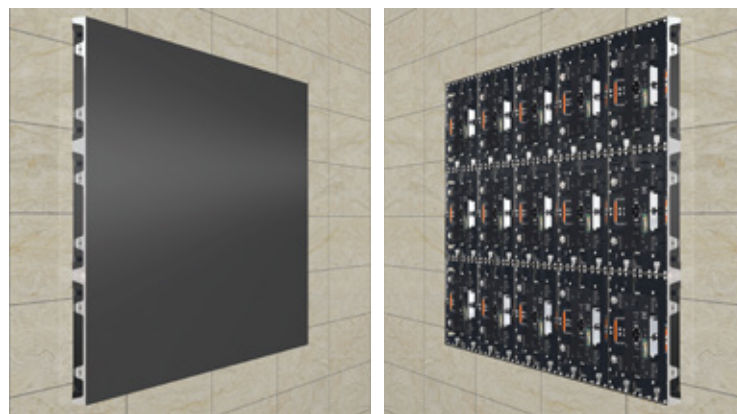
480mmx480mmx58mm

### Product Features

# Fine Pixel Pitch LED Display

## Seamless Wall installation, Rear IP 65 protection

Completely sealed back cover design to anti water and dust. Super protection from impurities to through inside, make it has a long lifespan even in a complex application environment. Extremely thin stick to the wall, maximum thickness is less than 10mm.



## Wireless connection & Hot plug supported

All components are designed with customized connectors. Wireless, no cables inside. PCB, HUB, Power supply are designed with hard wired connection. Friendly user experience to assemble and disassemble.

## Easy to install, maintain and disassemble

Unique fully front service design, especially easy way to install and remove modules by magnetic tool.



Cabinet



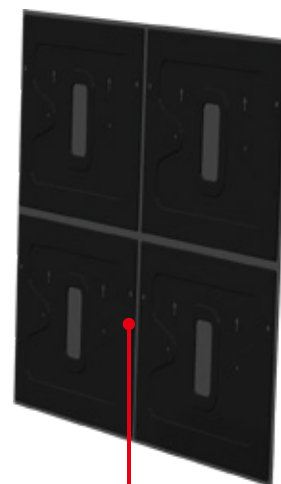
Power supply



Hub card



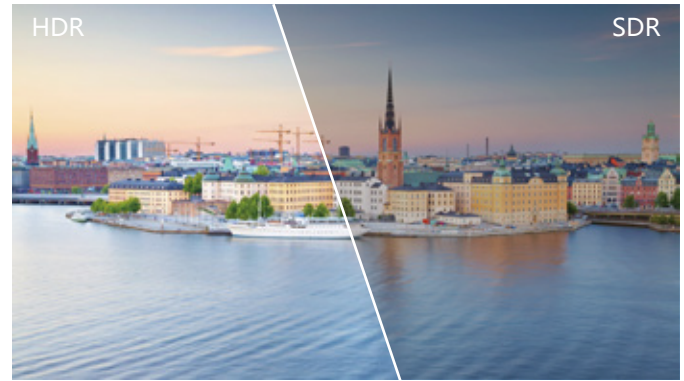
Receiving card



Module

## HDR High Dynamic & High Refresh Rate Display

HDR high dynamic fine images can be realized at low brightness and high gray-scale. HDR make the scenes of every application much more reality and colorful. With anti-gamma correction technology and 3840Hz high refresh rate to enjoy a real color rendition.



Normal LED display Low gray scale poor performance



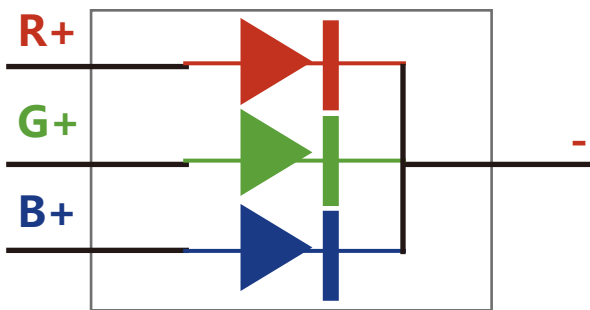
Diamond Series LED display low brightness, high gray scale

## Low Brightness with High Gray Scale

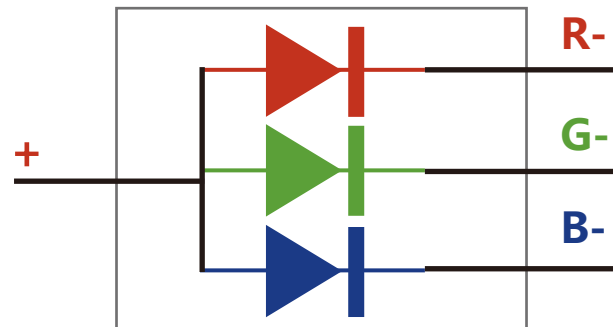
BSU48 series use high quality LED lamps and PWM drive IC, go with patented mask and special images arithmetic processing that make a better color performance, color rendition and more details even in low brightness.

## Intelligent Low Power Consumption Design

BSU48X Series can be optional with common-cathode or common-anode, Intelligent data storage function can be customized



Schematic diagram of common-cathode circuit



Schematic diagram of common-anode circuit

Product Features

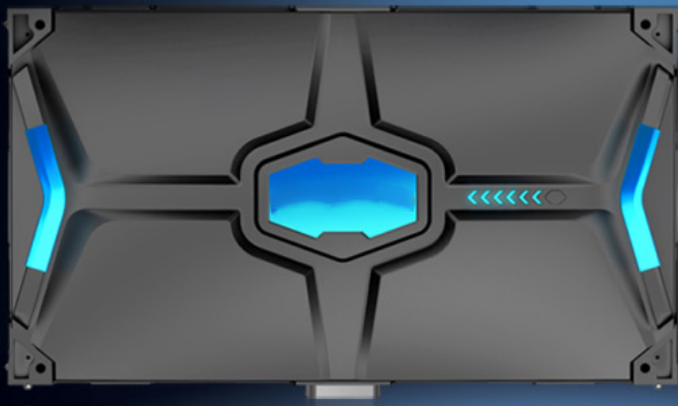
# Fine Pixel Pitch LED Display

Specification	4812A	4815A	4816A	4818A	4820A	4825A	4830A	4840A
Pixel Pitch(mm)	1.2mm	1.5mm	1.6mm	1.8mm	2.0mm	2.5mm	3.0mm	4.0mm
Pixel Density (pixels/sqm)	640,000	401,111	360,000	284,444	250,000	160,000	111,111	62,500
Cabinet Resolution	384×384	304×304	288×288	256×256	240×240	192×192	160×160	120×120
Mask	No	Optional	Optional	No	Optional	No	Optional	No
Lamp Type	SMD1010 COB4in1	SMD1010 SMD1212	SMD1010 SMD1212	SMD1515	SMD1515	SMD2020	SMD2020	SMD2012
Cabinet Size(mm)	480mm×480mm×58mm							
Pixels Calibration	Standard color and brightness calibration							
Brightness	200cd~1200cd/sqm							
Gray Scale	14~24Bit							
Color Temp	2500K~10000K							
Control System	Synchronous Control							
Protection Level	TOPCOB/Front IP62, Rear IP65							
Drive Mode	Constant current							
Frame Frequency	60~120Hz(3D)							
Refresh Rate	Standard Refresh:≤1920, High Refresh Rate:≤3840							
Working Voltage	AC:100V~240V, 50/60Hz							
Power Consumption	100W/ m <sup>2</sup> ~300W/ m <sup>2</sup>							
Lifetime(hours)	100,000h							
Operating Temp(°C)	-20°C~+60°C							
Storage Temp(°C)	-25°C~+60°C							
Humidity Range	10%~90%, Non-condensing							
Weight	8.5kg							

# Description

LEMA new generation fine pixel pitch HD LED display own below features

- Cabinet size is 600mm x 337.5mm, 16:9 golden ratio.
- Achieve to 2K/4K/8K standard resolution, for examples, 32x16 cabinets arrangement can meet standard 4K.
- Seamless connection between units, create high quality visual enjoyment.
- New innovation anti-skidding handles, operating more security.
- High-strength die casting aluminum material, good frame structural design, good flatness.
- Accurate position pin to match good installation work.



337.5mm

600mm



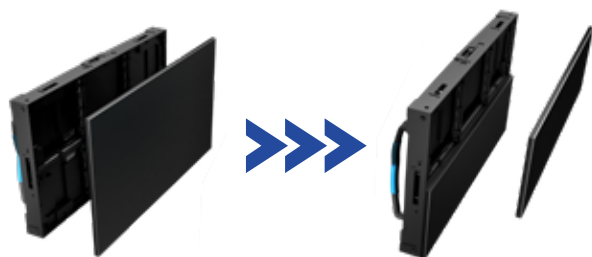
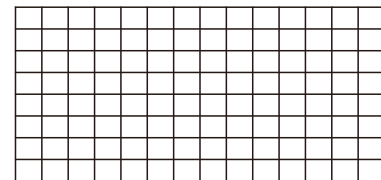
Various installation way to meet different application environment.

Product Features

## Fine Pixel Pitch LED Display

## Excellent Performance

The superior contrast with deep black PCB to show vivid image details. High refresh rate to decrease moire-effect even in the shoot of professional camera. Low brightness with high gray scale and full HD processing to meet the high standard of demands. ± 160°view angle brings a truly amazing image with highly color consistency from any angles.

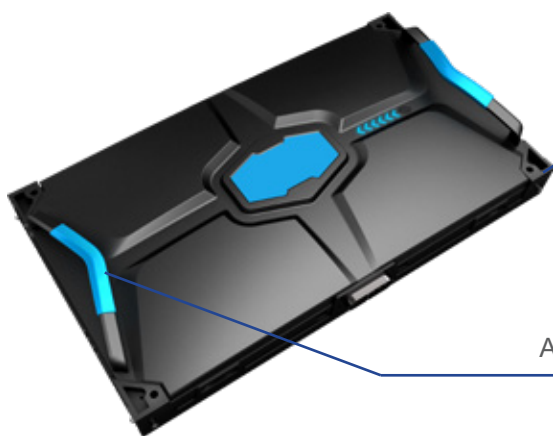
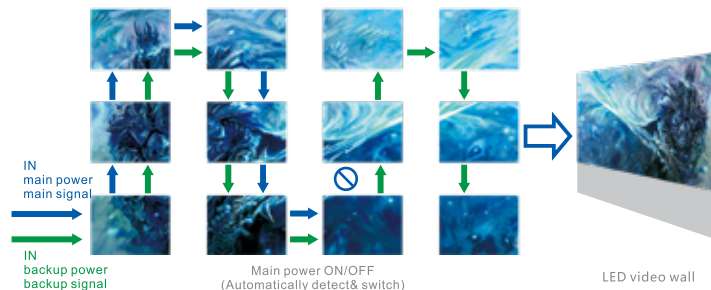


## Completely Front Service

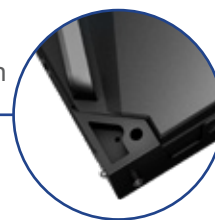
Wireless connection between modules and modules, easy maintenance and more stable. No need to turn off the power when maintenance.

## Redundant Power Supply & Signal Back Up System

Automatically detecting the working status and start the back up function when meeting failures. Ensure the whole working system's stability and reliability.



Accurate hole/ locating pin



Anti-skidding handle



Exquisite design with perfect details

## Application scenarios

Indoor applications, like, conference room, broadcasting, shopping mall, monitoring center,



## Product Features

# Fine Pixel Pitch LED Display



Specification	6309A	6311A	6312A	6315A	6318A	6325A
Pixel Pitch(mm)	0.9375mm	1.17mm	1.25mm	1.5625mm	1.875mm	2.5mm
Pixel Density (pixels/sqm)	1137,778	728,128	640,000	409,600	284,444	160,000
Cabinet Resolution	640×360	512×288	480×270	384×216	320×180	240×135
Mask	Four in one	Optional	Optional	Optional	Optional	Optional
Lamp Type	MINI Four in one	SMD0808	SMD1010	SMD1010/1212	SMD1515	SMD2121
Cabinet Size(mm)	600×337.5×58mm					
Pixels Calibration	Standard color and brightness calibration					
Brightness	100cd~1200cd/ m <sup>2</sup>					
Gray Scale	12~24Bit					
Color Temp	2000K~9500K					
Control System	Synchronous Control					
Frame Frequency	50/60Hz, 120Hz					
Refresh Rate	Standard Refresh: ≤1920Hz, High Refresh Rate: ≤3840Hz					
Working Voltage	AC: 110V~240V, 50~60Hz					
Power Consumption	100w/m <sup>2</sup> -300w/m <sup>2</sup>					
Working Voltage	≤760w/m <sup>2</sup>					
Lifetime(hours)	100,000					
Operating Temp(°C)	-10°C~+60°C					
Storage Temp(°C)	-25°C~+60°C					
Humidity Range	10% ~ 90%, Non-condensing					
Weight	6.9kg					





Seamless



Optimized Cooling



Good Flatness



Slow Temp. Rise



Long Lifetime



Fanless



Quiet



Low Failure Rate



Safety



## Completely Front Maintenance

### Easy Front Service Design

Cabinets and modules are separated packed, first install cabinets and then install modules. Cabinets and modules are wireless connected.

Smart adjust: unique alignment features ensure the video wall is perfect aligned and seamless, the flatness tolerance of screen is  $\leq 0.1\text{mm}$ .



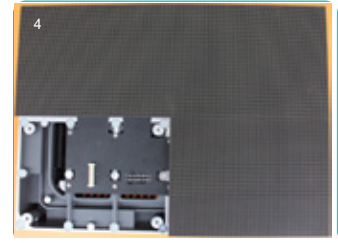
1. The magnet edge-on the front.



2. Magnet is appressed in the middle of module.



3. Pulling the magnet slowly, module will be apart from cabinet



4. The same way to put the module back to the cabinet.

## Product Features

# Fine Pixel Pitch LED Display

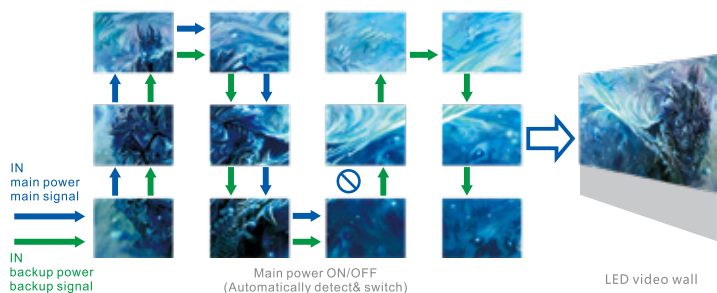


### Professional Image With High Refresh Rate

Up to 3840Hz high refresh rate keeps it high quality display performance even under professional camera, no water waves or screen flashing, totally meet the live show requirements.

### Redundant Power Supply & Signal Back Up System

Automatically detecting the working status and start the back up function when meeting failures. Ensure the whole working system's stability and reliability.



Normal LED display Low gray scale poor performance



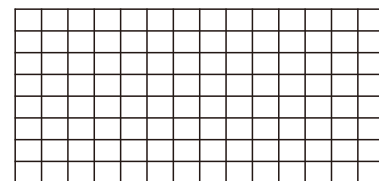
Diamond Series LED display low brightness, high gray scale

### Low Brightness with High Gray Scale

BSU48 series use high quality LED lamps and PWM drive IC, go with patented mask and special images arithmetic processing that make a better color performance, color rendition and more details even in low brightness.

### Excellent Performance

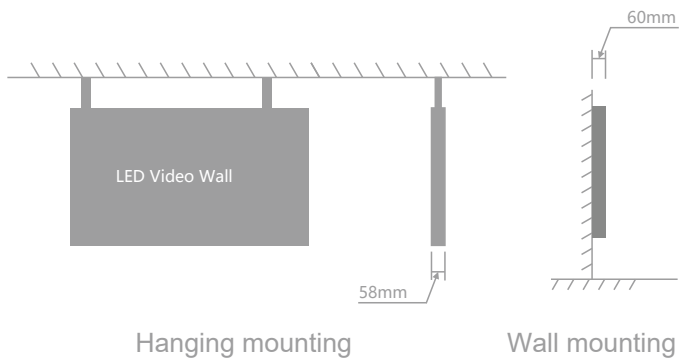
The superior contrast with deep black PCB to show vivid image details. High refresh rate to decrease moire-effect even in the shoot of professional camera. Low brightness with high gray scale and full HD processing to meet the high standard of demands. ± 160° view angle brings a truly amazing image with highly color consistency from any angles.



160°

## IP65 Level Rear Protection & Clean Routing

With totally enclosed design at the back, which helps prevent dust, water, and air-impurity getting in, extend product's life even in complicated environment. All cable connections are fully front serviceable, clean routing at the back.

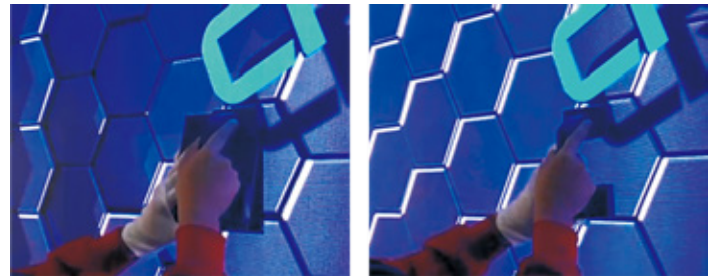


## Ultra-thin Mounting

Extremely saving rooms by using customized fittings, can reach a depth of 58 mm by hanging or 60 mm by wall mounting.

## Wireless connection & Hot plug supported

All components are designed with customized connectors. Wireless, no cables inside. PCB, HUB, Power supply are designed with hard wired connection. Friendly user experience to assemble and disassemble.



Product Features

# Fine Pixel Pitch LED Display

Specification	4309A	4312A	4315A	4316A	4319A	4320A	4325A	4331A
Pixel Pitch(mm)	0.9mm	1.2mm	1.5mm	1.6mm	1.9mm	2.0mm	2.5mm	3.1mm
Pixel Density (pixels/sqm)	1120,000	640,000	409,600	360,000	270,400	230,400	160,000	102,400
Cabinet Resolution	420×320	320×240	256×192	240×180	208×156	192×144	160×120	128×96
Mask	No	No	Optional	Optional	Optional	No	Optional	Optional
Cabinet Size(mm)	400mm×300mm×58mm							
Weight	5.0kg							

Pixels Calibration	Standard color and brightness calibration							
Brightness	200cd~1200cd/sqm							
Gray Scale	14~24Bit							
Color Temp	2500K~10000K							
Control System	Dual Signal card							
Protection Level	Back: IP65 Front: IP40							
Drive Mode	Constant current							
Frame Frequency	60~120Hz(3D)							
Refresh Rate	Standard Refresh:≤1920, High Refresh Rate:≤3840							
Working Voltage	AC:100V~240V, 50/60Hz							
Power Consumption	100W/ m <sup>2</sup> ~ 300W/ m <sup>2</sup>							
Lifetime(hours)	100,000h							
Operating Temp(°C)	-20°C ~ +60°C							
Storage Temp(°C)	-25°C ~ +60°C							
Humidity Range	10%~90%, Non-condensing							
Lamp Type	SMD1010, SMD1515, SMD2020							

