

Full front maintenance fine pixel pitch LED display series



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# Tetris Series

**BSU43B / BSU44A / BSU63A**

PH0.63, PH0.78, PH0.83, PH0.93, PH1.25, PH1.67, PH2.0, PH2.5, PH3.12, PH4.16

ALL YOUR IMAGINATIONS CAN BE CREATED

LEDERA TECHNOLOGY CO.,LTD

### Product appearance



▲ BSU43B Tetris I Series



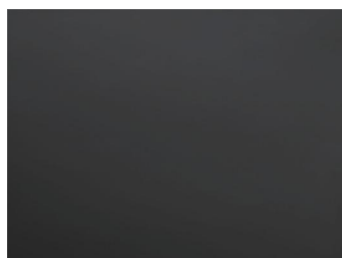
▲ BSU44A Tetris II Series



▲ BSU63A Tetris II Series

### Universal LED module

The module can realize compatible splicing of 3 different sizes of cabinets.



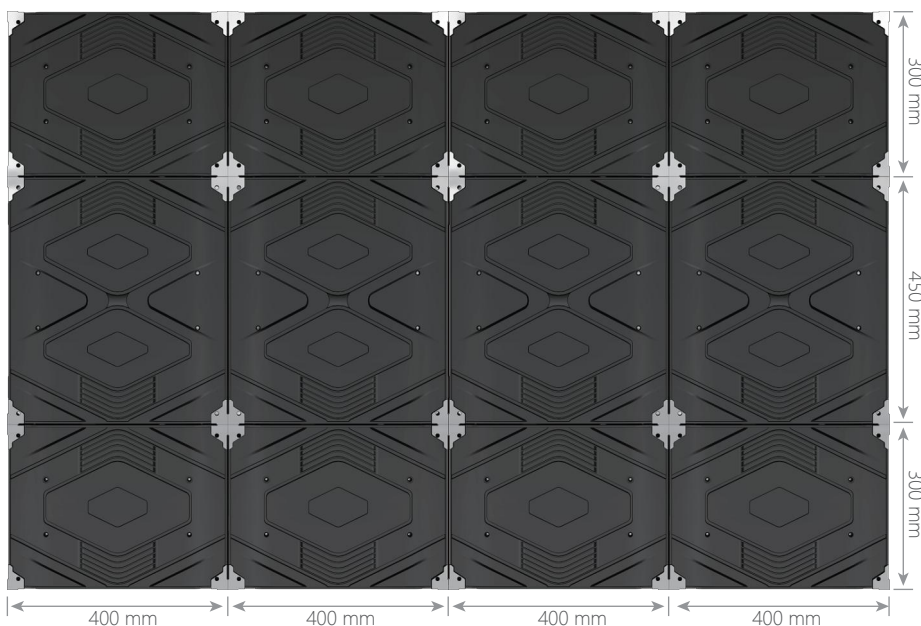
Module front view



Module back view

### Multi-size and different combination box splicing design

The cabinet can realize splicing installation of any two different sizes, the overall appearance is simple, the versatility is strong, the installation size is flexible and changeable, and it can realize 1:1, 2:1, 4:3, 8:9, 16:9, etc. Kind of display any combination of mixed spells.



## Completely Front Maintenance

The cabinet and the modular system structure, install the cabinet first, and then install the module during on-site assembly. Wireless connection is adopted between the cabinet and the cabinet, and between the modules.

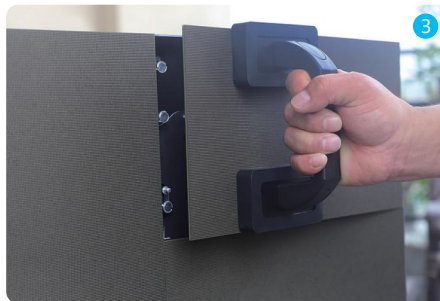
Intelligent adjustment: when installing the cabinet, it can be intelligently adjusted through the six-position splicing system of the cabinet to ensure that the accuracy of the screen splicing is  $\leq 0.1\text{mm}$ .



Step 1: Place the magnetic tool against the cabinet.



Step 2: Attach the magnetic surface of the magnetic tool to the module and make sure it is approximately in the middle of the module.



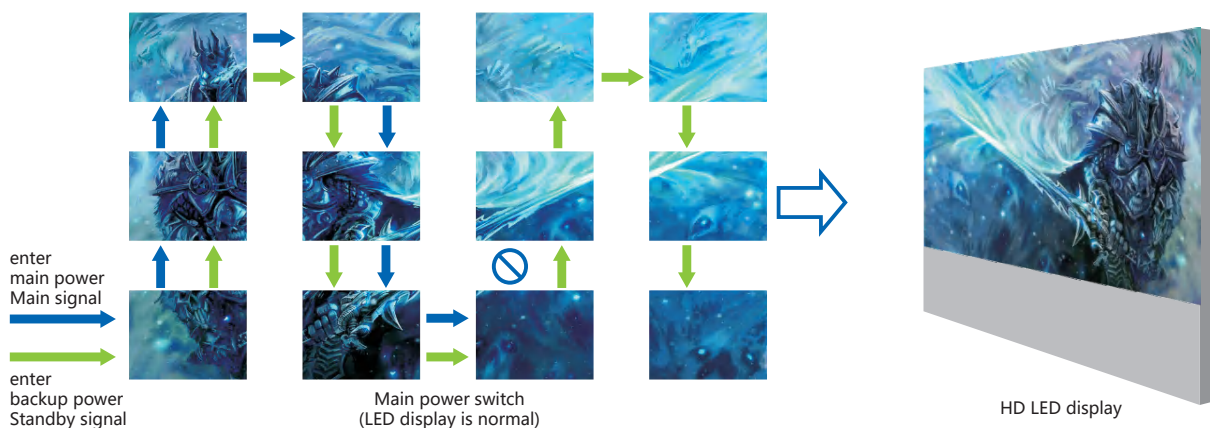
Step 3: Gently pull the magnetic tool out, and the module will be separated from the box immediately.



Step 4: Install the replaced module through the magnetic tool and install it back in the same way.

## Redundant Power Supply & Signal Backup

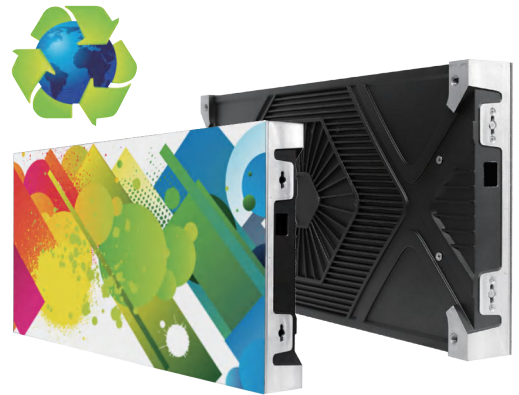
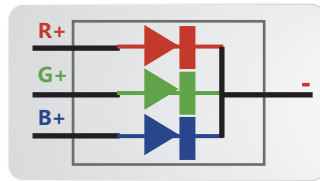
Dual power supply backup system and control backup system signal dual backup, using dual signal input, automatically detect the integrity of the signal; dual redundant power supply, signal input, when one of the obstacles occurs, the other automatically intervenes to ensure the normal operation of the display .





### Energy Conservation

The use of custom universal cathode technology can effectively reduce the energy consumption and heat of the screen, thereby extending the service life. Can effectively reduce the energy consumption and heat of the screen, thereby extending the service life.



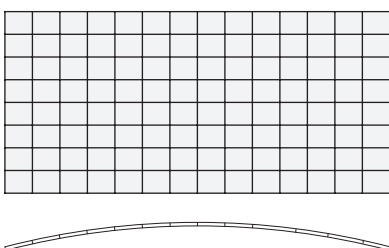
### Low Radiation, Anti Blue Light

Pass the EMC-CLASS-B electromagnetic interference detection standard and the TEST REPORT anti-blue light detection standard. Low radiation, anti-blue light, safer to use. Long-term viewing in a low-brightness environment will not damage the eyes.



### Perfect arc, smooth display Large viewing angle, immersive

The floor support frame can be adjusted and spliced at different angles according to site needs, and the inner arc radius is  $\geq 10$  meters. The  $160^\circ$  wide viewing angle makes your vision barrier-free as if you are on the scene.



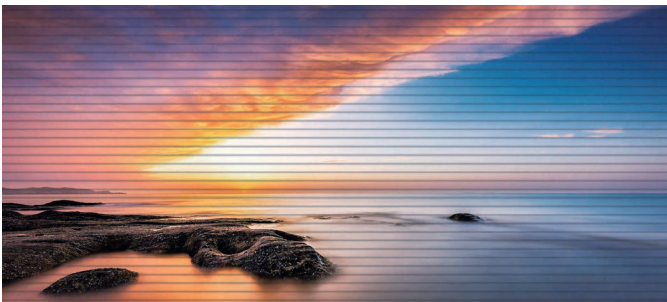
## IP65 Level Rear Protection & Clean Routing

The back of this product adopts a fully enclosed box structure, which can play the role of water-proof and dustproof on the back, preventing air impurities from entering the inside of the box; ensuring protection standards under complex conditions and improving product life.

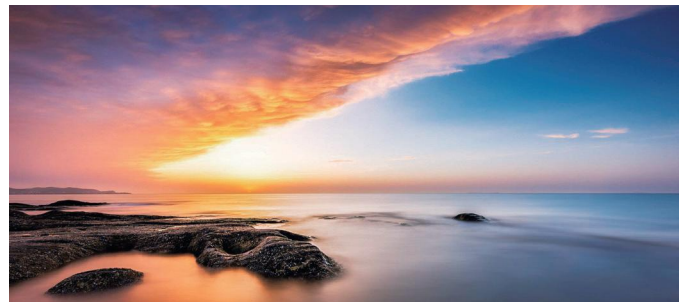


## Professional Image With High Refresh Rate

The high refresh rate of up to 3840Hz maintains high-quality display performance, even when shooting with a professional camera, there is no water ripple or screen flash, which fully meets the requirements of live performances.



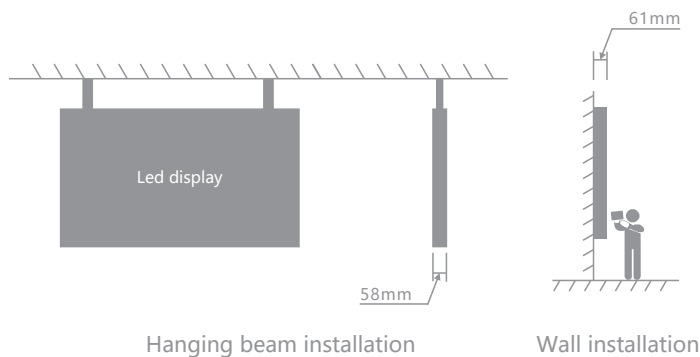
Low refresh rate



High refresh rate display effect

## Ultra-thin Mounting

The 58mm thick hoisting and the thinnest 61mm wall-mounted installation can be realized through special accessories, without any rear maintenance space, practical and complete front maintenance.



Hanging beam installation

Wall installation



Hanging  
beam installation



Wall  
installation



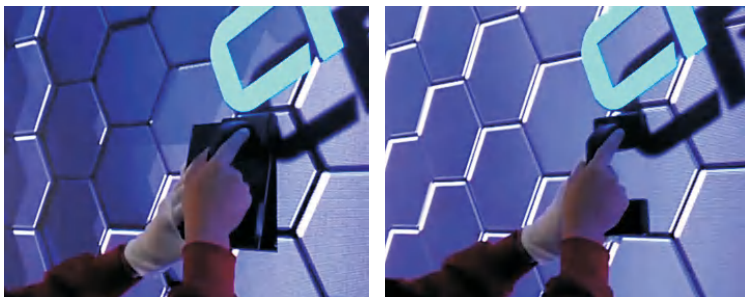
Floor  
installation



Curve  
splicing

### Wireless Connection, Hot Plug Supported

Wireless installation, hard connection The cabinet splicing adopts internal hard connection, splicing large screen 0 connecting line, user-level installation.



Traditional LED video wall has low grayscale and poor performance.



Tetris series product LED display has low brightness and high gray, the gray level can reach 24Bit.

### Low Brightness With High Gray Scale

The use of high-quality LED lamp beads and high-end constant current source of PWM, combined with the patented blue skin mask and exclusive image algorithm, make the display screen color rendering, color reproduction and low gray details more prominent. Excellent performance of high gray scale even at 100cd/m<sup>2</sup>.

### TOPCOB Unique Design Patent

The product has unique LED surface treatment technology, which can achieve high-level anti-collision, waterproof, and dust-proof, effectively protect the screen, and can work normally in harsh environments such as corrosion, moisture and water mist.



IP65 protection level



Pressure and wear resistance



Waterproof and dustproof, mirror touch

BSU43B Tetris - I Series parameters

Common cathode parameters										
Parameter	BSU43B06A	BSU43B07A	BSU43B08A	BSU43B09A	BSU43B12B	BSU43B16B	BSU43B19B	BSU43B20B	BSU43B25B	BSU43B31B
Pixel pitch(mm)	0.625	0.78125	0.833	0.9375	1.25	1.667	1.923	2.0	2.5	3.125
Pixel density(pixels/sqm)	2,560,000	1,894,800	1,440,000	1,120,000	640,000	360,000	270,400	230,400	160,000	102,400
Cabinet resolution	640×480	512×384	480×360	420×320	320×240	240×180	208×156	192×144	160×120	128×96
LED type	Flip chip Common cathode, Four in one light		Formal wear, Four in one Light		SMD1010	SMD1010	SMD1010	SMD1010	SMD1515	SMD1515
Display brightness(cd/m²)	100~1000CD/m² Optional				Highlight common cathode inversion 100~5000CD/m² Optional					
Gray scale(Bit)	12~16 Bit									
Cabinet dimensions(mm)	400mm×300mm×58mm									

Common anode parameters								
Parameter	BSU43B12A	BSU43B15A	BSU43B16A	BSU43B19A	BSU43B20B	BSU43B25B	BSU43A1A	BSU43B41B
Pixel pitch(mm)	1.25	1.5625	1.667	1.923	2.08	2.5	4.166	4.166
Pixel density(pixels/sqm)	640,000	409,600	360,000	270,400	230,400	160,000	57,000	57,000
Cabinet resolution	320×240	256×192	240×180	208×156	192×144	160×120	96×72	96×108
LED type	SMD1010	SMD1010 SMD1212	SMD1010 SMD1212	SMD1010 SMD1515	SMD1515	SMD2121	SMD2121	SMD1921
Display brightness(cd/m²)	100~1500 CD/m² Optional							≥4500CD/m²
Gray scale(Bit)	16 Bit							
Cabinet dimensions(mm)	400mm×300mm×58mm							
Weight (kg)	5.1 kg							

BSU44A Tetris -II Series parameters

Common cathode parameters									
Parameter	BSU44B06A	BSU44B07A	BSU44B08A	BSU44B09A	BSU44B12B	BSU44B16B	BSU44B20B	BSU44B25B	BSU44B31B
Pixel pitch(mm)	0.625	0.78125	0.833	0.9375	1.25	1.667	2.0	2.5	3.125
Pixel density(pixels/sqm)	2,560,000	1,894,800	1,440,000	1,130,667	640,000	360,000	230,400	160,000	102,400
Cabinet resolution	640×720	512×576	480×540	420×480	320×360	240×270	192×216	160×180	128×144
LED type	Flip chip Common cathode, Four in one light		Formal wear, Four in one Light		SMD1010				
Display brightness(cd/m²)	100~700 CD/m² Optional				Highlight common cathode inversion 100~5000CD/m² Optional				
Gray scale(Bit)	12~16 Bit								
Cabinet dimensions(mm)	400mm×450mm×58mm								

Common anode parameters								
Parameter	BSU44A12A	BSU44A15A	BSU44A16A	BSU44A19A	BSU44A20A	BSU44A25A	BSU44A41A	BSU44A41B
Pixel pitch(mm)	1.25	1.5625	1.667	1.923	2.08	2.5	4.166	4.166
Pixel density(pixels/sqm)	640,000	409,600	360,000	270,420	230,400	160,000	57,000	57,000
Cabinet resolution	320×360	256×288	240×270	208×234	192×144	160×180	96×108	96×108
LED type	SMD1010	SMD1010 SMD1212	SMD1010 SMD1212	SMD1010 SMD1515	SMD1515	SMD2121	SMD2121	SMD1921
Display brightness(cd/m²)	100~1500CD/m² Optional							≥4500CD/m²
Gray scale(Bit)	400mm×450mm×58mm							
Cabinet dimensions(mm)	12~16 Bit							
Weight (kg)	7.0 kg							

## BSU63A Tetris - II Series parameters

BSU63A							
Parameter	BSU63A12A	BSU63A15A	BSU63A16A	BSU63A19A	BSU63A20A	BSU63A25A	BSU63A31A
Pixel pitch(mm)	1.25	1.5625	1.667	1.923	2.08	2.5	3.125
Pixel density(pixels/sqm)	640,000	409,600	360,000	270,400	230,400	160,000	102,400
Cabinet resolution	480×240	384×192	360×180	312×156	288×144	240×120	192×96
LED type	SMD1010	SMD1010 SMD1212	SMD1010 SMD1212	SMD1010 SMD1515	SMD1515	SMD2121	SMD2121
Display brightness(cd/m²)	100~1500 CD/m² Optional						≥4500CD/m²
Gray scale(Bit)	600mm×300mm×58mm						
Cabinet dimensions(mm)	12~16 Bit						
Weight (kg)	6.9 kg						

### Tetris Series (BSU43B, BSU44A, BSU63A) General parameters

Parameter	BSU43B, BSU44A, BSU63A
Pixel correction	Standard chromaticity and brightness correction function
Screen body color temperature	2000k~1000k Adjustable
Drive method	Constant current drive
Frame change frequency	60Hz、120Hz( 3D)
Refresh rate	General brush≥1920Hz、High brush≥3840Hz
Operating Voltage	Wide (AC:100V~240V, 50~60Hz) Or narrow (AC:200V~240V,50~60Hz) Optional
Average power	Common anode: ≤100w/m²-300w/m²    Common cathode: ≤500w/m²
Peak power	Common anode: ≤700w/m²    Common cathode: ≤500w/m²
LED life (hours)	100,000 hrs
Operating temperature range (°C)	-10°C~+40°C
Storage temperature range (°C)	- 25°C~+60°C
Operating environment humidity	10%-90%RH, No condensation

The parameter index will change according to the specific situation of the project (the product shall be subject to the submitted contract specification).

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