

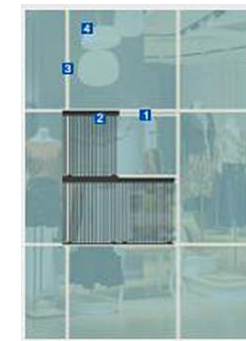
# LED CURTAIN SCREEN

LED Curtain Screen is mainly used in building glass curtain walls, urban landmark floors; commercial center windows, store facades; stations, jewelry stores, automobile 4S stores, etc.; indoor glass guardrails, car window advertising; museums, art galleries and other art spaces Display; entertainment and performing arts, etc.



### Installation

Ordinary exterior wall installation, column installation, glass exterior wall installation, glass interior wall installation, building wall installation, canopy ceiling installation.



Glass exterior wall installation



Glass interior wall installation



Ordinary exterior wall installation

### Features



**Thin and light**  
The weight is 150kg/m<sup>2</sup>, which is only 40% of the traditional screen.  
The steel structure only weighs 10kg/m<sup>2</sup>, which is 80% less than traditional outdoor LED.



**Transparency**  
The screen is 35% to 60% transparent. The hollow bus structure has good heat dissipation ability, effectively ensuring the lighting of the building.



**Quick installation**  
Single person installation, front and rear display units can be installed. Quick disassembly and replacement, only 10 seconds per square meter.



**Color can be customized**  
Appearance colors are optional and can also be customized according to customer requirements.



Save energy and



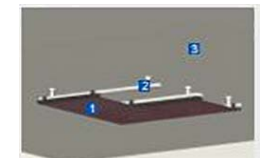
**COOLING SYSTEM**  
Using super conductive thermal materials, no need for air conditioning. Fan cooling, heat dissipation performance improved by 80%.



1. Display unit  
2. Billboard Frame  
3. Column  
Post installation



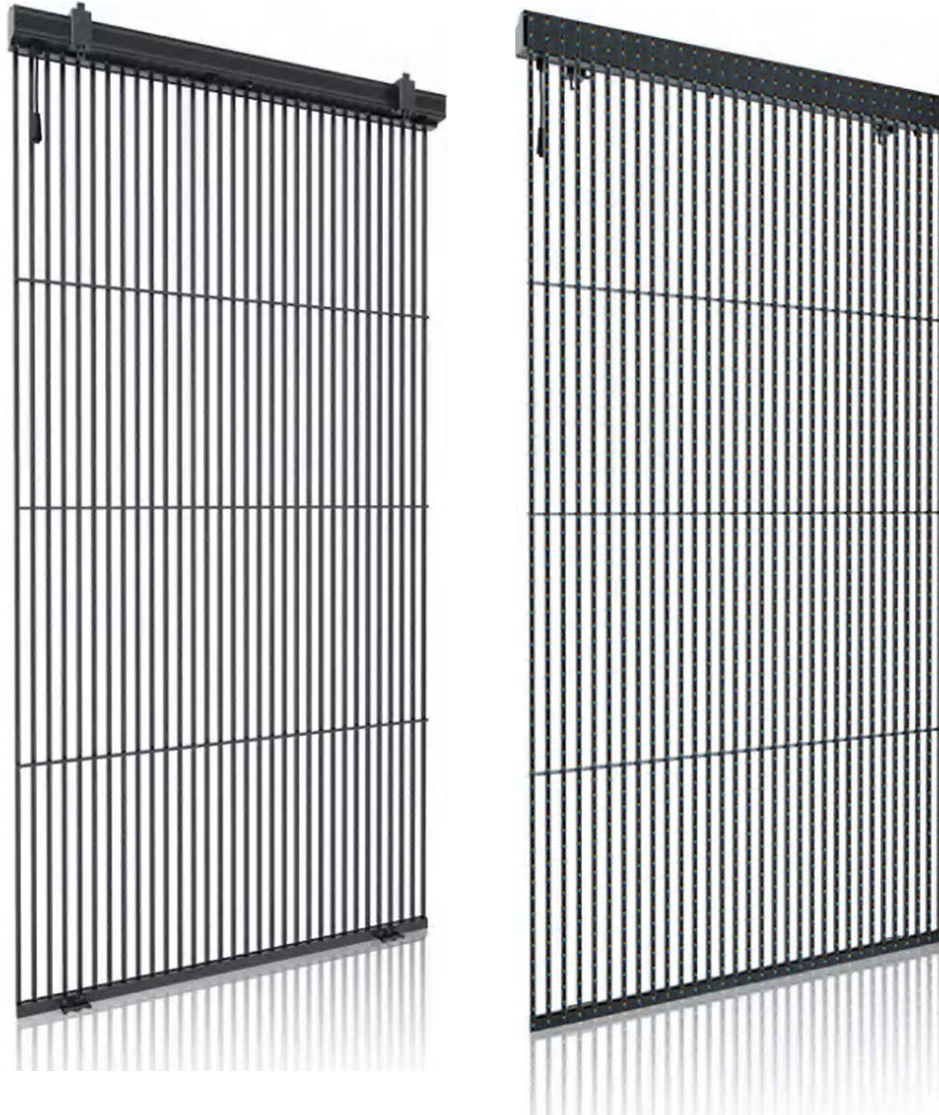
1. Display unit  
2. Billboard Frame  
3. Building walls  
Building wall



1. Display unit  
2. Display unit mounting hardware  
3. Ceiling wall  
Canopy ceiling installation

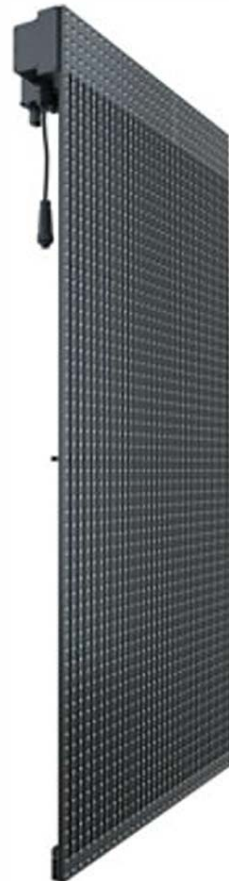
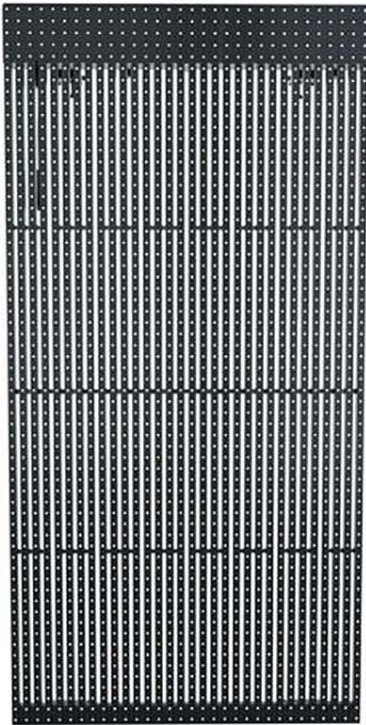
### Applications

Building exterior walls, glass curtain walls, outdoor media advertising, etc..



Product model	P15.625-15.625		P16-33	CP25-25	P25-50	P31-31
Resolution (dot/m <sup>2</sup> )	4096	2048	1800	1600	800	1024
horizontal (dots)	64	32	30	40	40	40
vertical (dots)	64	64	60	40	20	32
Horizontal spacing(mm)	15.625	31.25	33.334	25	25	31
vertical spacing(mm)	15.625	15.625	16.667	25	50	31
unit size(mm)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)
Color Grayscale (Bit)	16	16	16	16	16	16
Brightness (CD/m <sup>2</sup> )	≥12000cd	≥7500cd	≥7000cd	≥7500cd	≥5000cd	≥6000cd
Color temperature (K)	6500-9300	6500-9300	6500-9300	6500-9300	6500-9300	6500-9300
(Brightnesscontrol)	256	256	256	256	256	256
Horizontal viewing angle (°)	≥110°	≥110°	≥110°	≥110°	≥110°	≥110°
vertical viewing angle (°)	≥110°	≥110°	≥110°	≥110°	≥110°	≥110°
The best viewing distance (M)	15-300	15-300	25-300	25-300	25-300	30-300
Max Consumption (W/m <sup>2</sup> )	800	400	400	400	300	400
Average power consumption (W/m <sup>2</sup> )	250	120	120	120	100	120
Unit Weight (kg/m <sup>2</sup> )	10	10	10	10	10	10
Unit thickness (cm)	6.7	6.7	6.7	6.7	6.7	6.7
Installation thickness (cm)	12.7	12.7	12.7	12.7	12.7	12.7
Strips materials	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum
Transparent Rate(%)	40%	65%	70%	60%	85%	70%
frame rate(HZ)	60	60	60	60	60	60
Pixel uncontrol rate	< 1/10000	< 1/10000	< 1/10000	< 1/10000	< 1/10000	< 1/10000
Drive mode	Constant current,static	Constant current,static	Constant current,static	Constant current,static	Constant current,static	Constant current,static
Power supply voltage	AC 85-250 V	AC 85-250 V	AC 85-250 V	AC 85-250 V	AC 85-250 V	AC 85-250 V
life time	≥100000 hours	≥100000 hours	≥100000 hours	≥100000 hours	≥100000 hours	≥100000 hours

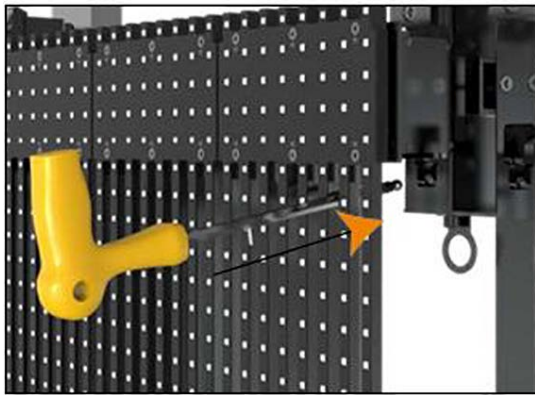




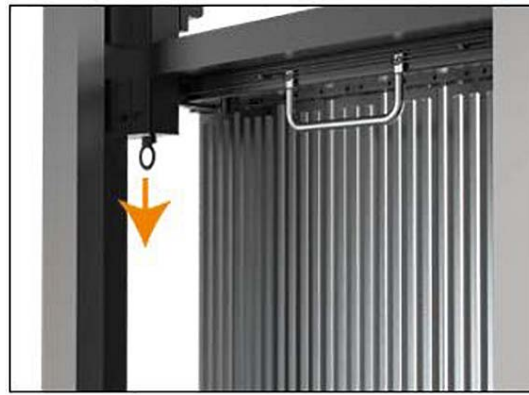
Product model	P10.4-P10.4	CP15.625-15.625	CP15-31		
Resolution (dot/m <sup>2</sup> )	9216	4096	2048	1800	1600
horizontal (dots)	96	64	32	30	40
vertical ( dots)	96	64	64	60	40
Horizontal spacing(mm)	10.4	15.625	31.25	33.334	25
vertical spacing(mm)	10.4	15.625	15.625	16.667	25
unit size(mm)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)	1000(W) x 1000(H)
Color Grayscale (Bit)	16	16	16	16	16
Brightness (CD/m <sup>2</sup> )	≥7500cd	≥6000cd	≥3000cd	≥2500cd	≥2000cd
Color temperature (K)	6500-9300	6500-9300	6500-9300	6500-9300	6500-9300
(Brightnesscontrol)	256	256	256	256	256
Horizontal viewing angle (°) vertical viewing angle (°)	≥120° ≥120°	≥120° ≥120°	≥120° ≥120°	≥120° ≥120°	≥120° ≥120°
The best viewing distance (M)	10-300	15-300	15-300	25-300	15-300
Max Consumption (W/m <sup>2</sup> )	800	800	400	400	400
Average power consumption (W/m <sup>2</sup> )	400	240	120	120	110
Unit Weight (kg/m <sup>2</sup> )	10	10	10	10	10
Unit thickness (cm)	6.3	6.3	6.3	6.3	6.3
Installation thickness (cm)	12.3	12.3	12.3	12.3	12.3
Strips materials	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum	6063 Stretch aluminum
Transparent Rate(%)	20%	35%	70%	70%	60%
frame rate(HZ)	60	60	60	60	60
Pixel uncontrol rate	< 1/10000	< 1/10000	< 1/10000	< 1/10000	< 1/10000
Drive mode	Constant current,static	Constant current,static	Constant current,static	Constant current,static	Constant current,static
Power supply voltage	AC 85-250 V	AC 85-250 V	AC 85-250 V	AC 85-250 V	AC 85-250 V
life time	≥100000 hours	≥100000 hours	≥100000 hours	≥100000 hours	≥100000 hours

## Maintenance of LED Curtain Screen

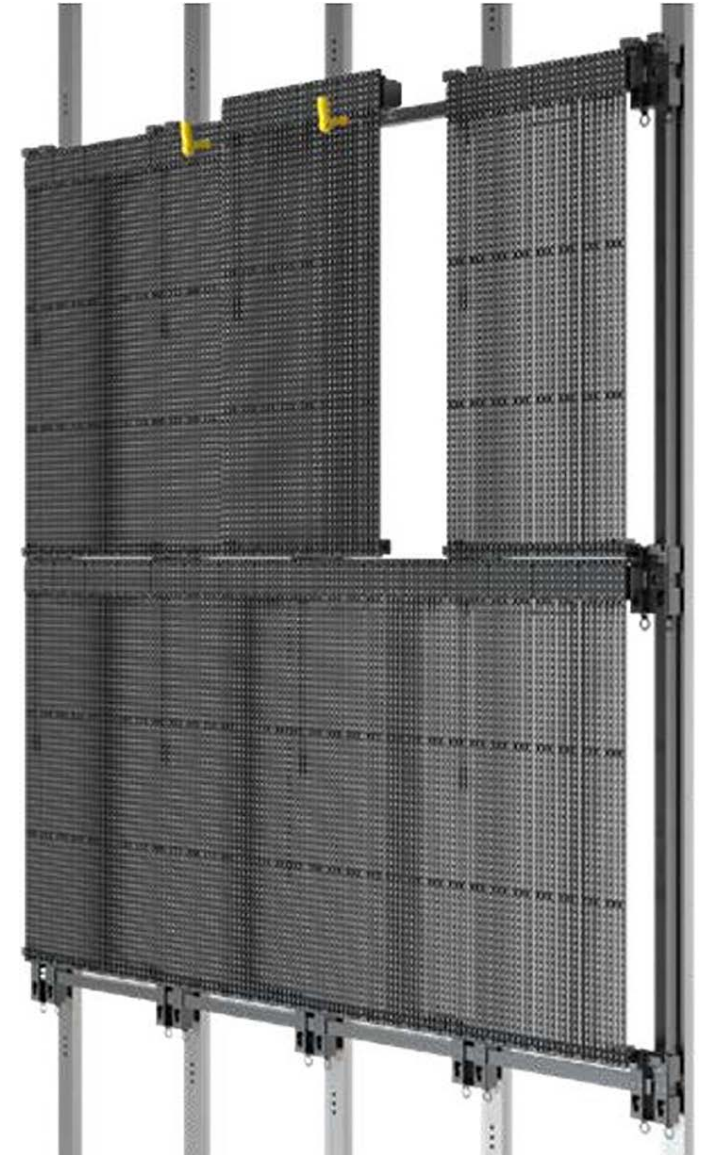
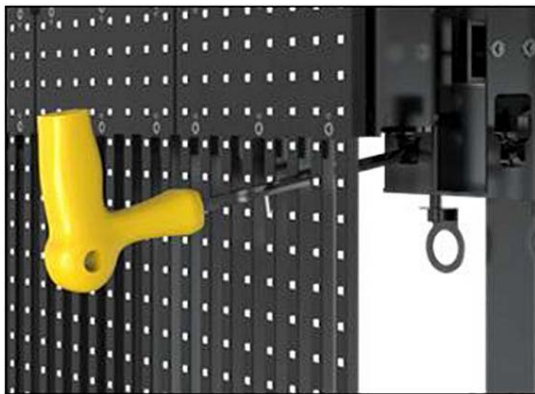
With the help of frame design and special installation tools, quick installation can be realized. Removable module for maintenance, easy and convenient to disassemble.



Front maintenance



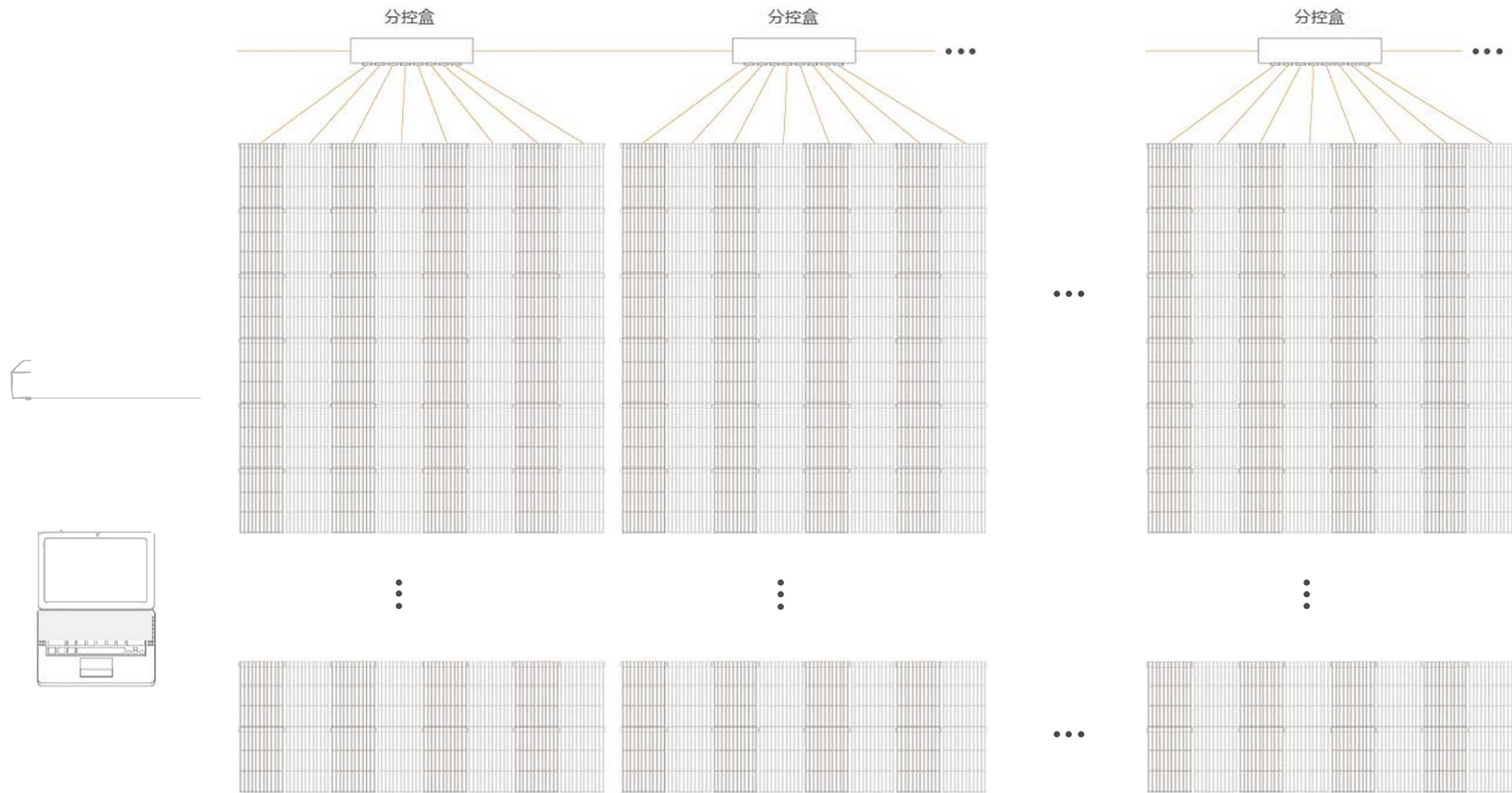
Back maintenance



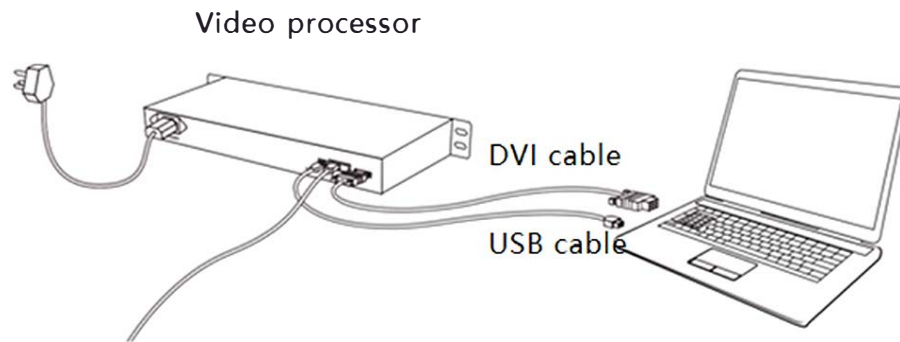
The front maintenance can be unlocked by pushing the buckle with a tool, and the rear maintenance can be unlocked by pulling the ring, which is simple and convenient.



# System topology diagram of LED grid screen



## Troubleshooting of LED Curtain screen



Connect everything between the screen, video controller and computer as shown to power the system. Set the computer copy mode, the screen will glow, and then start parameter setting according to the software user guide.



Warn: Not plugging is not allowed, please disconnect the power before connecting or swapping DVI cables

### 1、Periodic troubleshooting:

Fault	Solution
Screen out of control	<p>Check the status of the DVI indicator on the controller. If the yellow light is flashing and the green light is off, please check the DVI connection between the controller computer and the copy mode setting</p> <p>If the yellow light is flashing and the green light is on continuously, Please check the signal cable and power cable connecting the screen and the controller</p>
Data sending failed	Check the status of the USB connection between the computer and the controller
When setting up the graphics card there is no duplicate option	Is the video controller powered on? Reinsert the DVI cable
	Check the DVI or HDMI port for damage.

### 2、Common Troubleshooting for Screens

If the whole module is closed, check the position where the power supply and the signal cable are well connected, and check whether the signal interface of the first data distributor is normal;

If the display part is disconnected, please replace the power cable and signal cable between the normal screen and the abnormal screen;

If the LED light bar is abnormal, replace the LED to a position close to normal, and the screen can work normally, then detect the abnormal light bar.