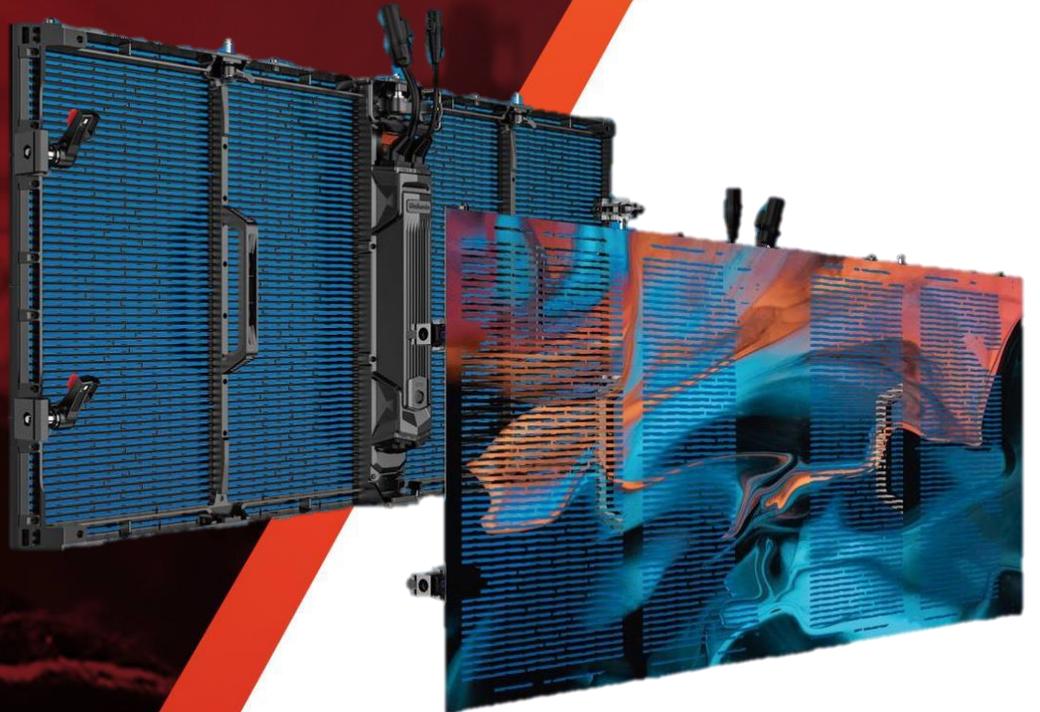
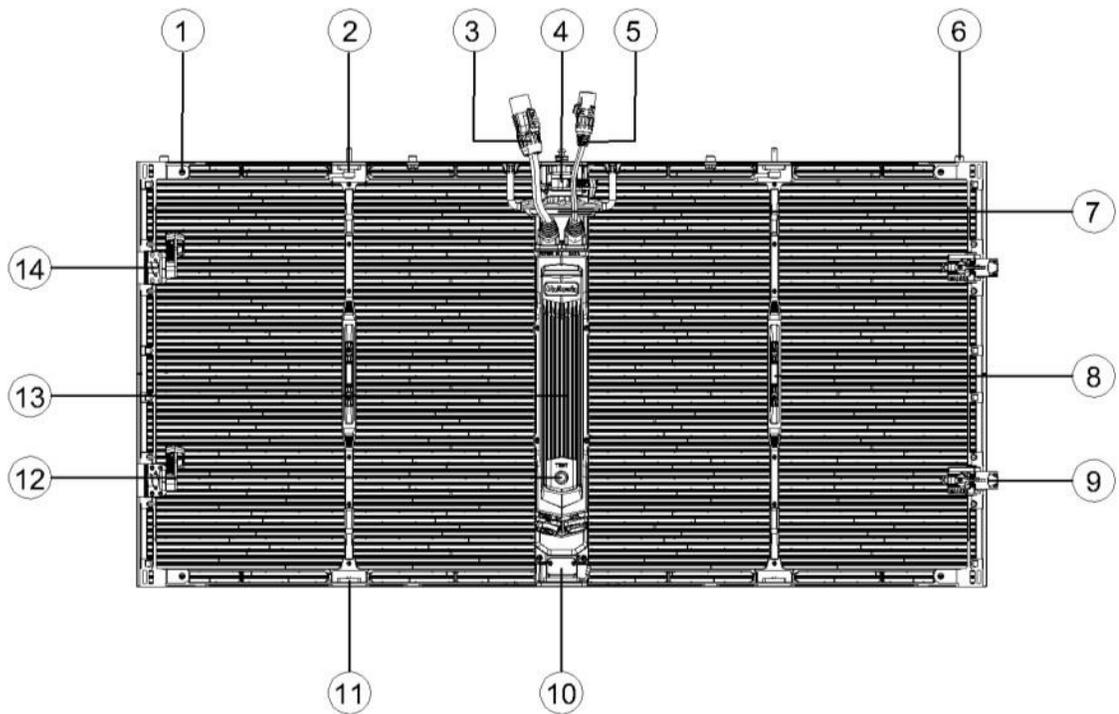


# AVOLUTION™

DIGITAL: POWERED BY HUMANS





1. Cabinet mounting hole M8    2. Auxiliary handing lock    3. Power port  
4. Main hanging lock    5. Signal port    6. Location pin    7. Lifting handle  
8. Cabinet handle    9. Curving lock    10. Main locking tab  
11. Auxiliary locking tab    12. Test button    13. Power box    14. Side lock

Figure 1-2    Appearance of Cabinet (500mm×1000mm)

NOTE: The figures above are for reference only. The product appearance, color and functional parts may differ from those indicated on the figures due to product improvements and product series expansion, and are subject to the specific product model.

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## Specification

Parameter		XV0307	XV0307H
Physical Parameter	Pixel Pitch	3.9~7.8	
	Pixel configuration	1R1G1B	
	LED type	3-in-1 SMD	
	Pixel density(dots)	32,768	
	Pixels per panel(dots)	256x64/128 x64	
	Cabinet size (WxHxD)/(mm)	1000 x500x80/500x500x80	
	Display area(m <sup>2</sup> )	0.5/0.25	
	Material	Die-cast Aluminum	
	Weight(kg)	6.5/4.6	
Electronic parameter	Grey scale(bit)	14	
	Refresh rate(Hz)	3,840	
	Drive type	1/16	1/8
	Frame frequency(Hz)	50/60	
Optical parameter	Brightness(nits)	2000	4000
	Color temperature(K)	2,000~9,300 adjustable	
	Contrast ratio	≥3,000:1	≥5,000:1
	Viewing Angle(°)	150/150	
Electrical parameter	Input voltage(V)	AC 100~240	
	Input frequency(Hz)	50~60	
	Input power <max/typical>(W/m <sup>2</sup> )	600/200	640/240
Circumstance parameter	Storage temperature and humidity(°C/RH)	-20~+55/10~60%	
	Operation temperature and humidity(°C/RH)	-20~+50/10~90%	
	Ingress protection	IP65	

Note: 1) Specifications are for reference only and are subject to change without notice.

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## Scope of Application

The XV series products can be assembled seamlessly into a screen of any size, and are extensively used for corporate events, stages, high-end auto shows, summits, forums, exhibitions, live events, music festivals and other applications.



Music Festivals



Exhibition



TV Show



Stage

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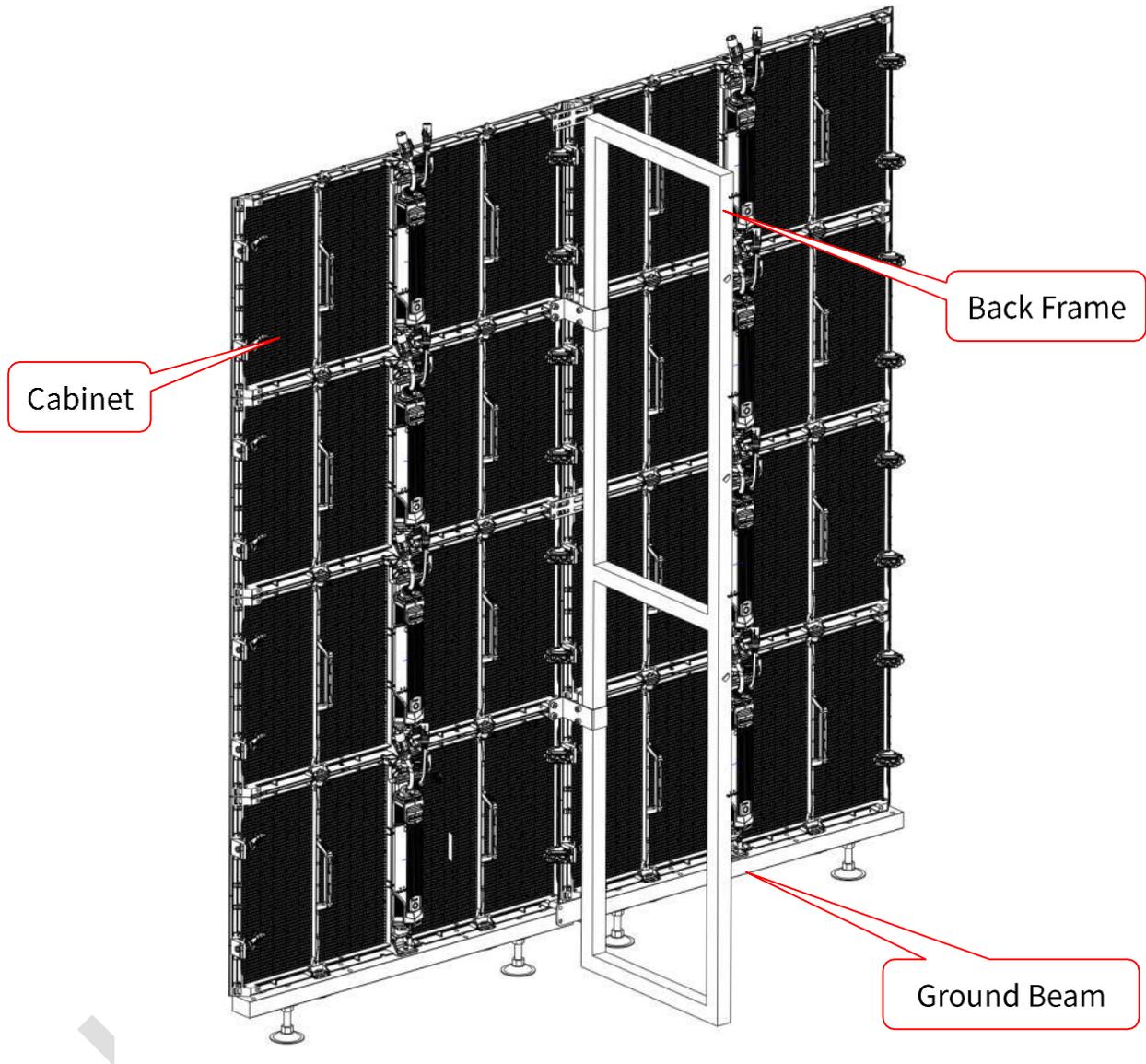


Figure 2-1 Installation of Floor-mounted LED Display

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Installation steps are as follows:

Operation of Upper and Lower Locks		
Step	Picture	Operation
1		Align the cabinets.
2		Push the main lock upward, then turn left to fasten it.
3		Follow <i>Step 2</i> to fasten the side lock.

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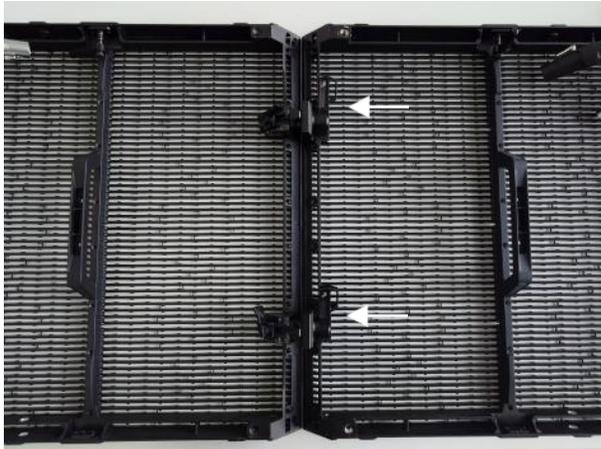
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Operation of Side Connection		
Step	Picture	Description
1		Aligned the cabinets.
2		Push the lock to the left.
3		Press down to lock it.

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## Installation of Hanged LED Display

- 1) Adjust the levelness of the hanging beam by using the synthetic fiber slings, to prevent tilting of the LED display, as shown in Figure 2-2.

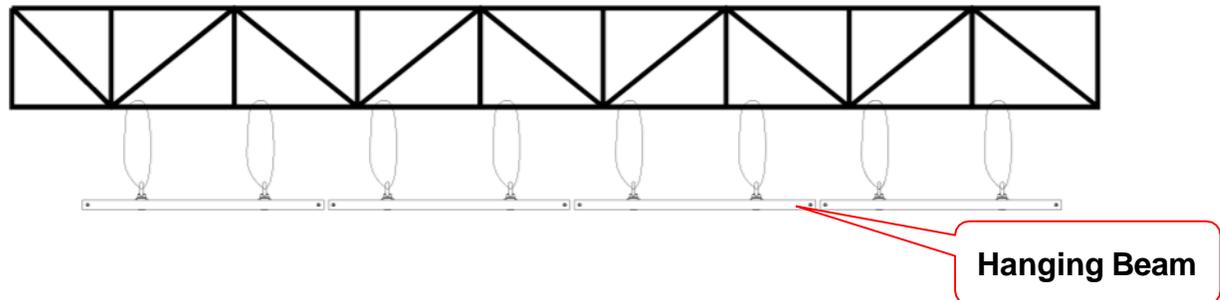


Figure 2-2 Installation of Hanged Cabinets (1)

- 2) Fasten the cabinets sequentially from middle to both sides. These cabinets can be fastened through upper/lower locks to the hanging beam and can be fastened with each other through the left/right locks, as shown in Figure 2-3 and 2-4.

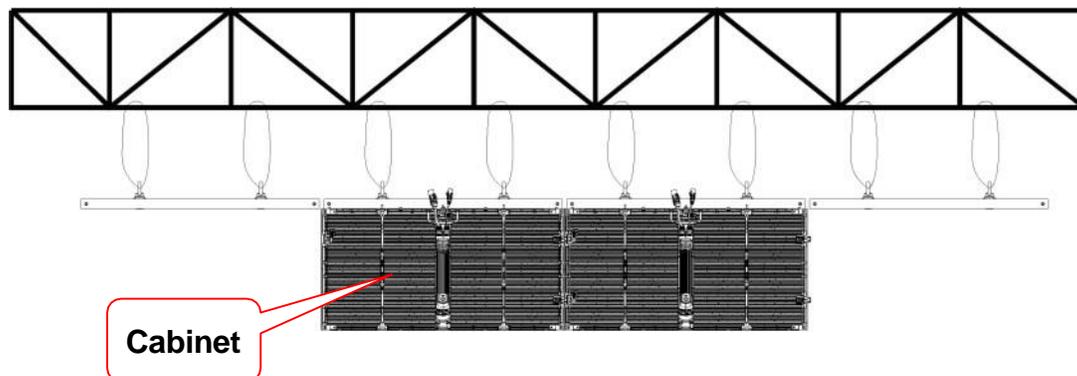


Figure 2-3 Installation of Hanged Cabinets (2)

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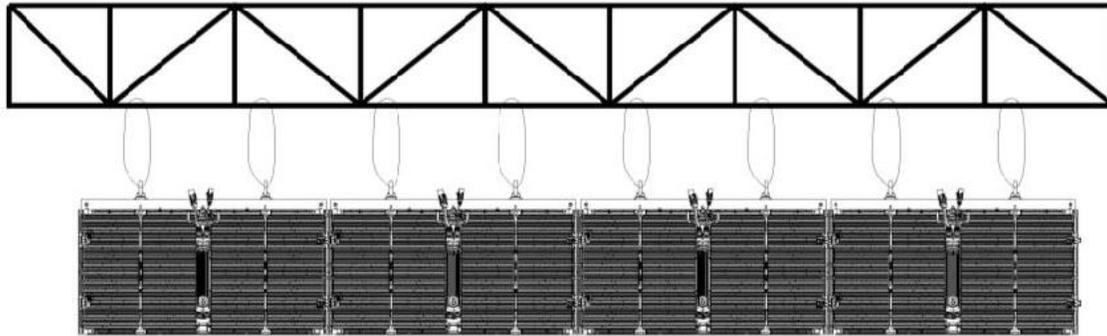


Figure 2-4 Installation of Hanged Cabinets (3)

- 3) Fasten other cabinets sequentially from top to bottom and from middle to both sides (the number of cabinets in the horizontal direction is not restricted while the total number of all cabinets in the vertical direction shall not be more than 10M).

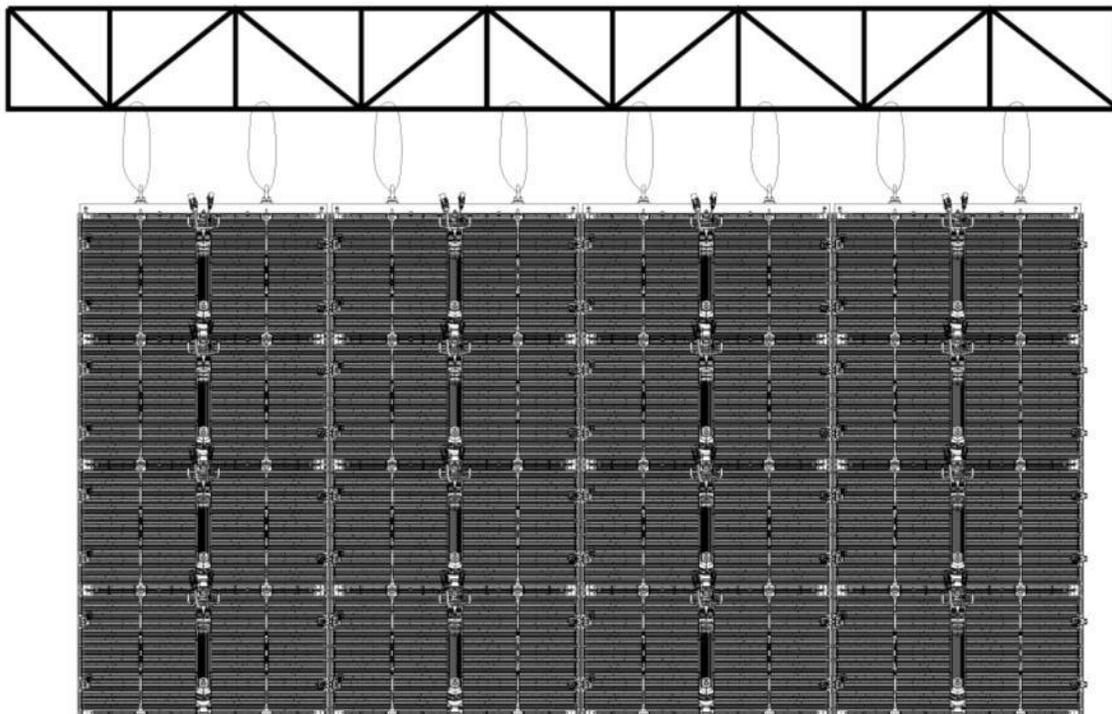


Figure 2-5 Installation of Hanged Cabinets (4)

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## Wiring for LED Display

Common cables used for the outdoor series LED displays include:



Incoming Power Cable



Power Cable Passing  
Through Cabinet



Incoming Signal Cable



Signal Cable Passing  
Through Cabinet



DVI Cable



USB Cable

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## Signal Cable Connection

Figure 2-6 shows the signal cable connection for cabinets with an arrangement of 6 cabinets (Width) × 4 cabinets (Height). Signal cables shall be connected based on the wiring diagram of the delivered products for the project.

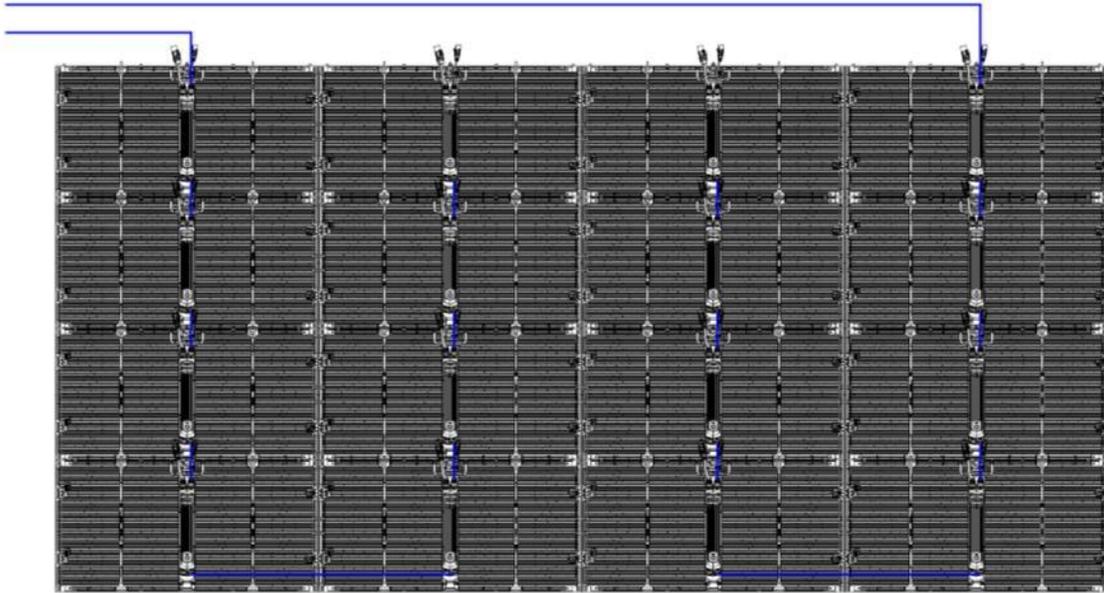


Figure 2-6 Signal Cable Connection Diagram

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## Power Cable Connection

Figure 2-7 shows the power cable connection for cabinets with an arrangement of 6 cabinets (Width) × 4 cabinets (Height). Power cables shall be connected based on the wiring diagram of the delivered products for the project.

AC Power Cable



Figure 2-7 Power Cable Connection Diagram

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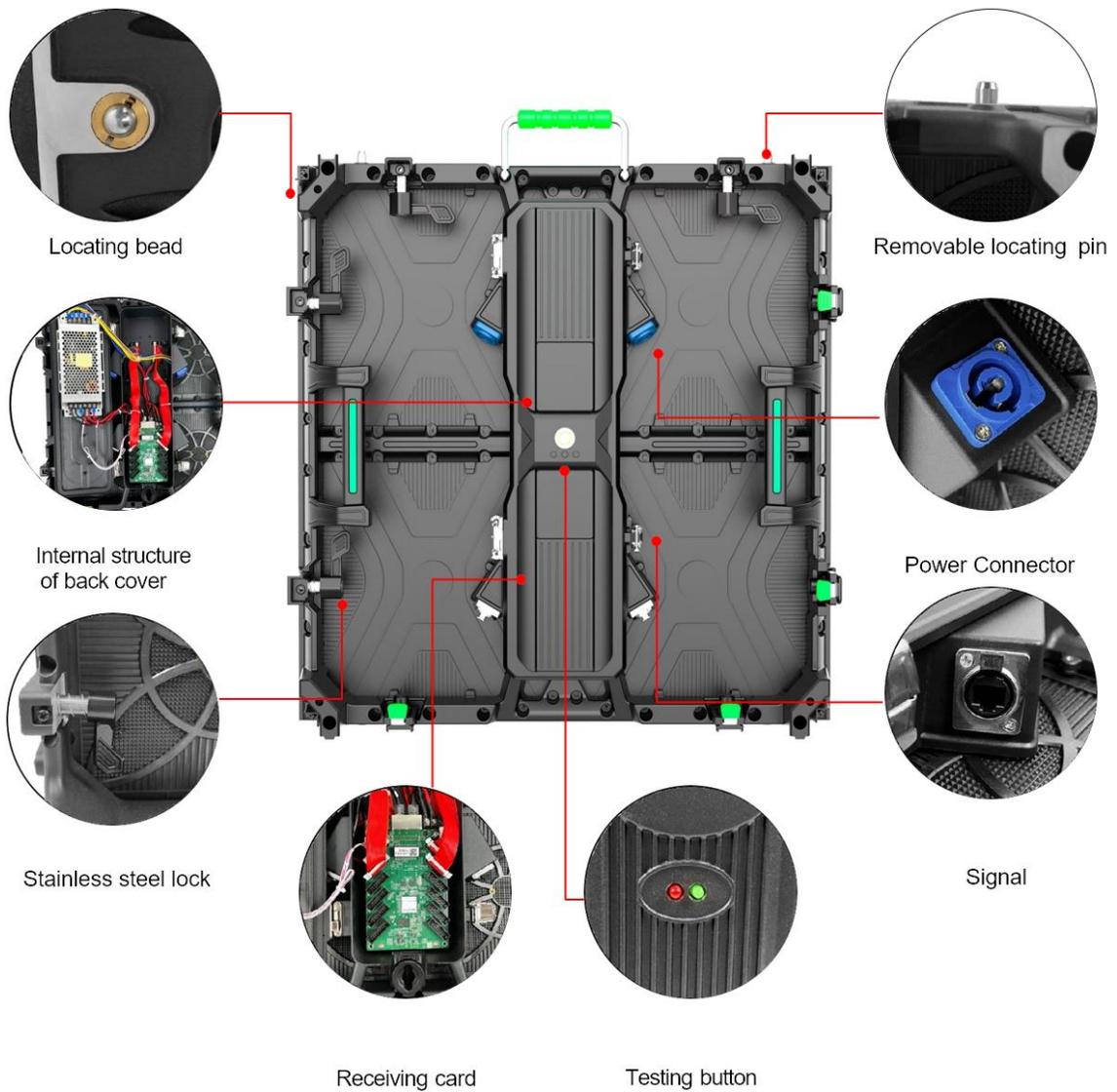
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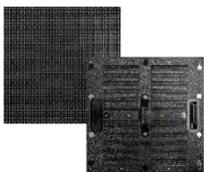
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## MODULE/MATERIAL



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## TECHNICAL PARAMETERS

Pitch	P1.5	P1.9	P2.5	P2.6	P2.9	P3.9	P4.8	P5.9
LED Configuration	SMD1010	SMD1515	SMD2121/1921	SMD2121/1921	SMD2121/1921	SMD2121/1921	SMD2121/1921	SMD2727
Cabinet size	500 × 500mm							
Module size	250 × 250mm							
Density	430336dot/m <sup>2</sup>	262144dot/m <sup>2</sup>	160000dot/m <sup>2</sup>	147456dot/m <sup>2</sup>	112896dot/m <sup>2</sup>	65536dot/m <sup>2</sup>	43264dot/m <sup>2</sup>	28224dot/m <sup>2</sup>
Resolution/cabinet	328 × 328	256 × 256	200 × 200	192 × 192	168 × 168	128 × 128	104 × 104	84 × 84
Resolution/module	164 × 164	128 × 128	100 × 100	96 × 96	84 × 84	64 × 64	52 × 52	42 × 42
Scan mode	40s	32s	25s	32s	28s	16s	13s	7s
Brightness	indoor 700 ~1200cd/m <sup>2</sup>							
	outdoor 4000 ~4500cd/m <sup>2</sup>	outdoor 4500 ~5000cd/m <sup>2</sup>						
Gray Level	14bits							
Refresh rate	≥3840hz							
Cabinet weight/kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Max. Ave Power Co. (W/m <sup>2</sup> )	800	800	800	800	800	800	800	800
Temperature range	- 20 ~ + 55 °C							
IP Protection	IP43							

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