



#### JIAXING MENGLING INFORMATION TECHNOLOGY CO., LTD.

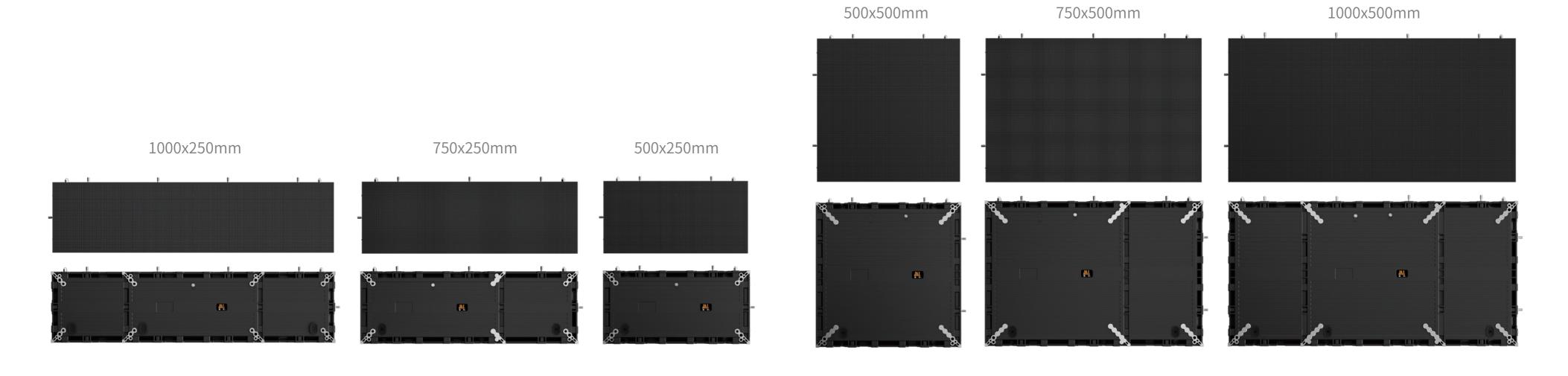
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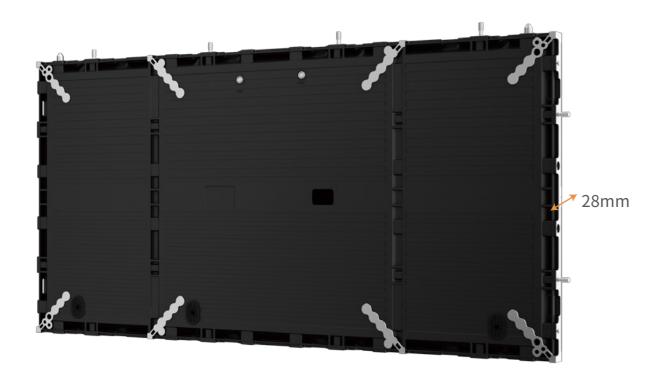
# L Series



-33-

## **Ultra Thin & Light**

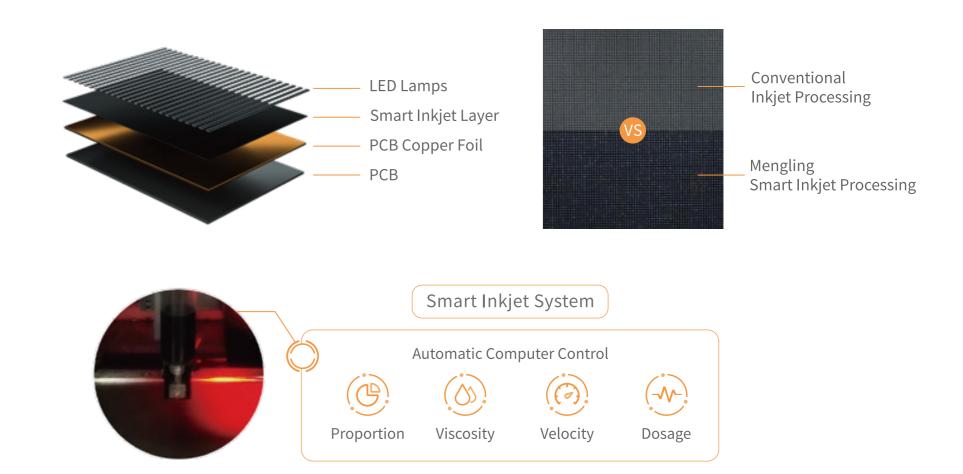
28mm ultra-sleek panels blend with the wall perfectly to save installation time and 9.7kg/pcs(1000\*500mm) lightweight cabinet lowers more transportation costs.



9.7kg/pcs(1000\*500mm)

## **Smart Inkjet Craftsmanship**

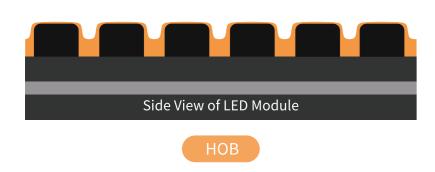
Mengling pioneered smart inkjet Craftsmanship effectively solves mask protrusion, bulges, dark spots from side views and constrained viewing angles.



-36-

### **Differences between HOB and GOB**

L Series supports both HOB and GOB, which differentiate in modularization, reflection, contrast ratio, flatness and protection.



Modularization	HOB < GOB	
Reflection	HOB < GOB	
Contrast ratio	HOB > GOB	
Flatness	HOB > GOB	
Protection	HOB = GOB	





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HOB	GOB
EOR	
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	VS
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#### **Full Front Maintenance**

Modules, power supply, hub card, and receiving card can be maintained from the front.



Setting magnetic tool

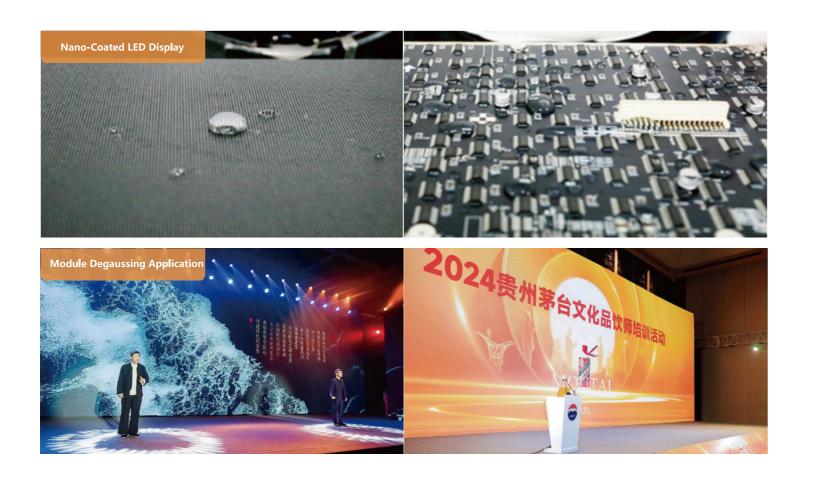
Disassemble

-37-

# Nano-Coating Protection & Module Degaussing Technology

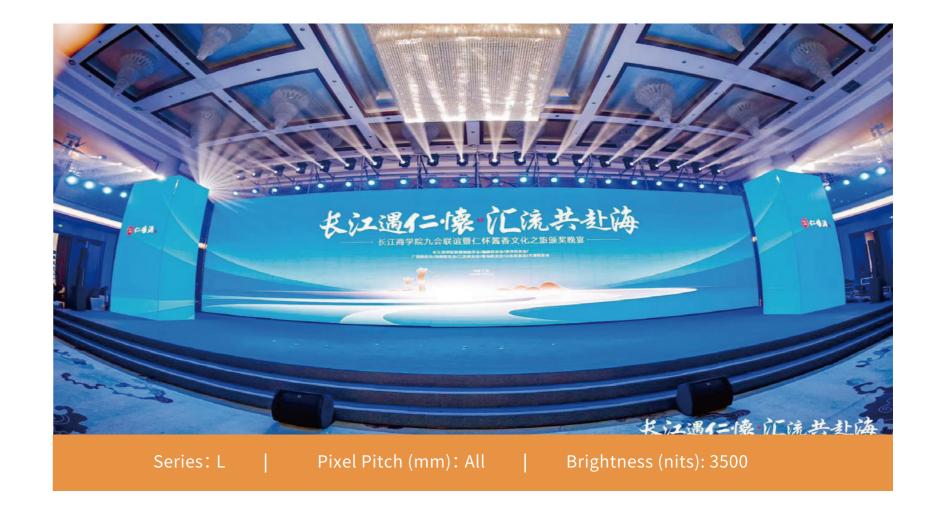
Nano-coating Protection: resist water, moisture, and dust to avoid the failures of LED "caterpillars" -. abnormal-luminous LED column pixels.

Module Degaussing Technology: no iron filings and dust on modules, safe and stable operation in subwayand railway stations.



## **High Brightness**

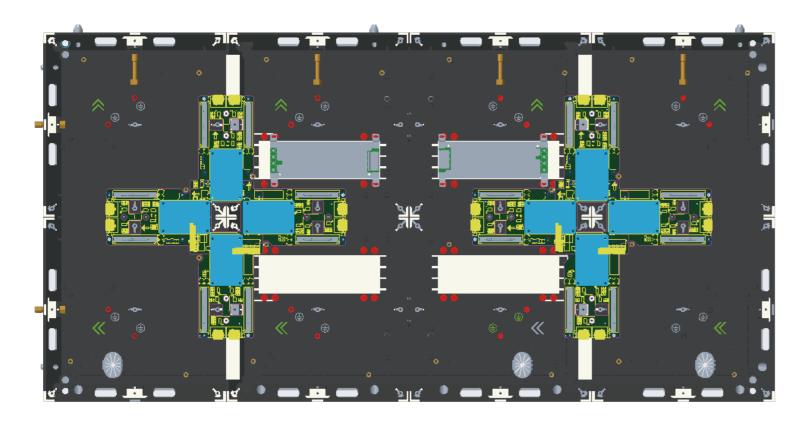
L Series can be installed on the window with a 3500 nits high brightness display.



-39-

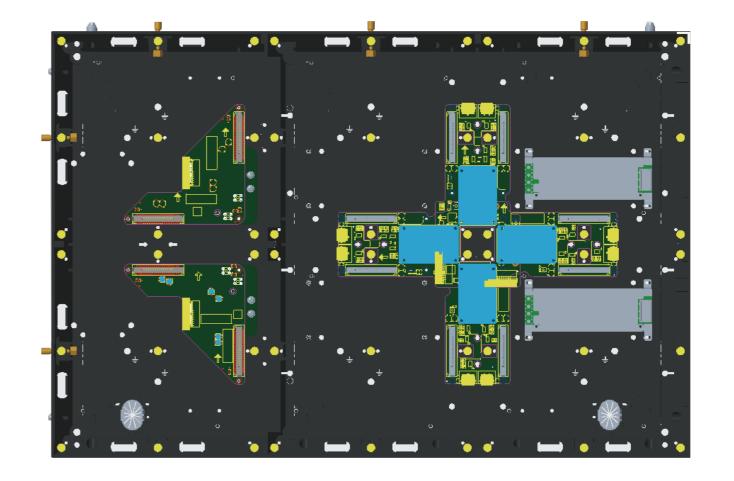
## **Optional Dual Backups**

L Series supports optional dual backups of power and signal. Users can decide if they need this redundancy. When in use, if there's a power failure or signal issue, the backups will kick in. This ensures the displaykeeps running smoothly, maintaining the integrity of the shown information.



## **Wireless Connection**

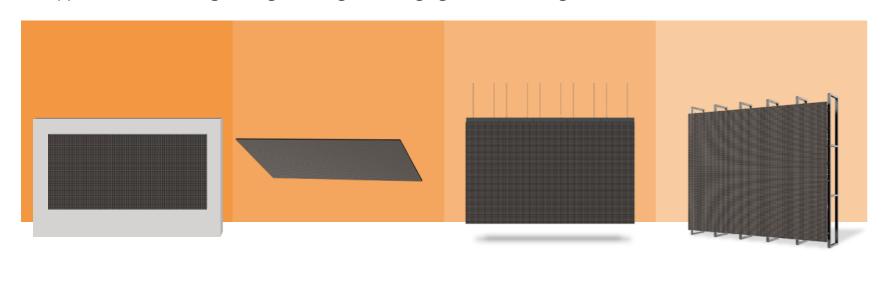
L Series enables wireless connections to remain stable even after 90° rotation. And simplifies the innerstructure with wireless connections for higher-efficiency maintenance.



-41-

## **Multiple Installation**

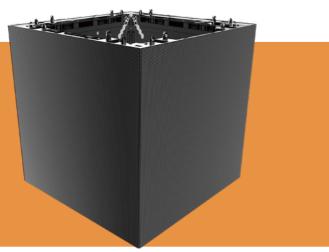
Supports wall-mounting, ceiling, stacking, and hanging (maximum height: 4m).

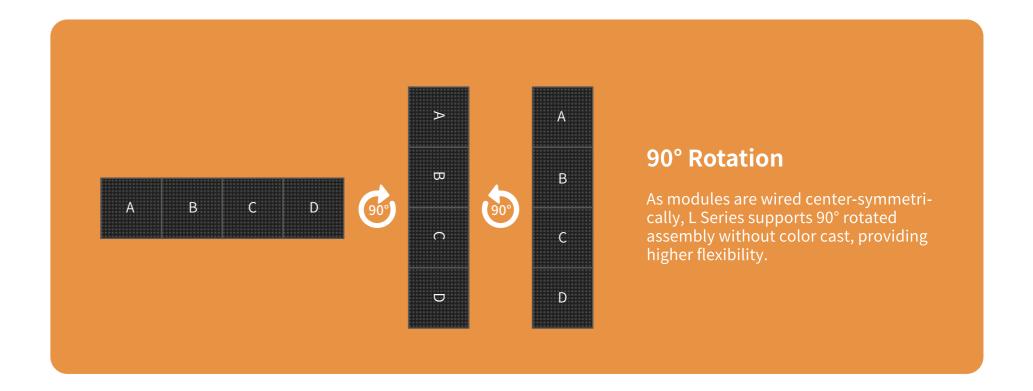


Wall-mounting Ceiling Hanging Stacking

#### Perfect 90° Splicing

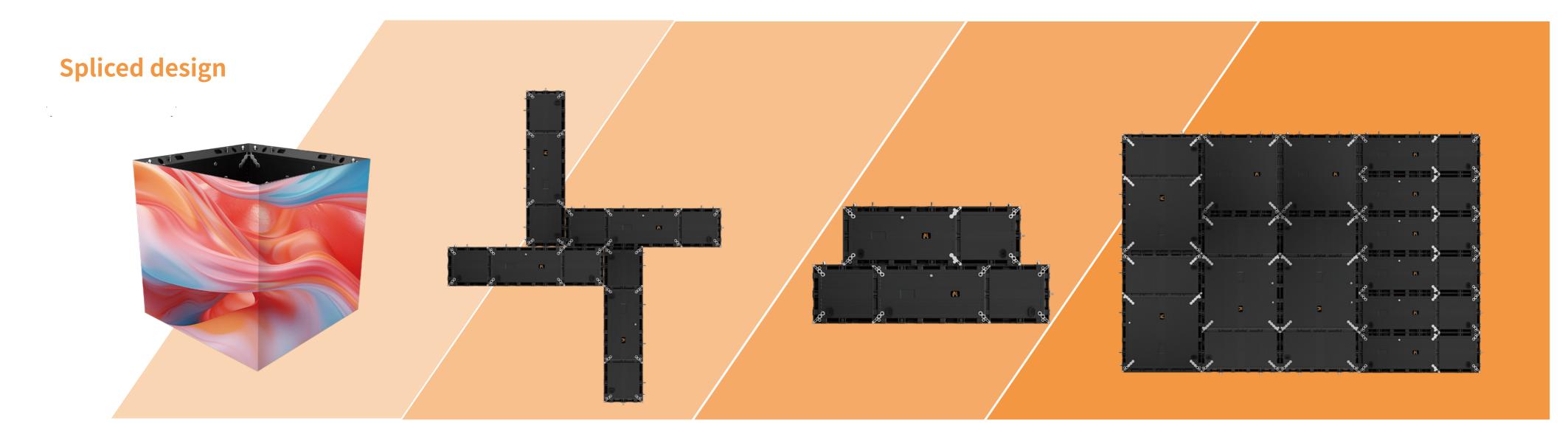
45° bevel is optional to splice L shapes to realize more creativity.







-43-



#### Four-sided splicing

The right-angle four-sided column splicing is composed of multiple LED modules, forming a three-dimensional structure and presenting a variety of dynamic three-dimensional senses.

#### Horizontal and vertical splicing

It supports 90° rotation and horizontal and vertical splicing. There is no difference in the module and viewing angle, and it has a quick-lock function.

#### **Staggered splicing**

It can achieve staggered seamless splicing, and supports all-round angle adjustment. It combines the functions of staggered splicing and precise alignment, and adopts a quick snap-in installation design.

#### Mixed splicing

The mixed splicing technology can support the splicing of LED screens of different sizes, breaking the limitations of traditional single-size splicing, and making the splicing solutions more flexible and diverse.

-45-

## **Product Parameters of L Series - Indoor**

LED Type         Mol101         Mol105 (1910)         Mol (1910) </th <th>Pixel Pitch</th> <th>1.5625mm</th> <th>1.953mm</th> <th>2.604mm</th>	Pixel Pitch	1.5625mm	1.953mm	2.604mm	
8 rightness (Max) 80 nin	Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	
Witte Balance Brightness         600 nit         800 nit/2500 nit         800 nit/2500 nit         800 nit/3000 nit           Color Temperature         6500K-9300K (adjustable)         1160°/140°           Pickel Density         400600         262144         14745         14745           Module Resolution         1500 filos flot dots         252128 dots         96.96 dots           Cabinet Size         w1000XH500XD28mm/W50XH500XD28mm/W50XD28mm/W50XH250XD28mm/W100XH250XD28mm/W750	LED Type	SMD1010	SMD1515/1010	SMD1515/1921	
Color Temperature         6500K-9300K (adjustable)         1500F/Ja0°         1500F/Ja0° <td>Brightness (Max)</td> <td>800 nit</td> <td>1000 nit/3000 nit</td> <td>1000 nit/3500 nit</td>	Brightness (Max)	800 nit	1000 nit/3000 nit	1000 nit/3500 nit	
### Mile ##	White Balance Brightness	600 nit	800 nit/2500 nit	800 nit/3000 nit	
Price Density   49600   26144   26144   27456   27404   27456   27	Color Temperature	6500K-9300K (adjustable)	6500K-9300K (adjustable)	6500K-9300K (adjustable)	
Module Size         W250H250mm         W250H	Viewing Angle	H160°/140°	H160°/140°	H160°/140°	
Module Resolution 160x160 dots 128x128 dots 96x96 dots Cabinet Size W1000XH500XD28mm/W50XH500XD28mm/W500XH500XD28mm/W1000XH250XD28mm/W750XH250XD28mm Cabinet Resolution 250x64/320x480/320x320/320x160/ 256x512/56x384/256x256/256x128/ 192x384/192x288/192x192/192x96/ 640x160/480x160 dots 512x128/3834x128 dots 384x96/288x96 dots Cabinet Weight 95,77.5/5/2.8/5.2/4 9,577.5/5/2.8/5.2/4 95,77.5/5/2.8/5.2/4 9,57	Pixel Density	409600	262144	147456	
Cabient Size         W1000XH500XD28mm/W750XH500XD28mm/W500XH250XD28mm/W1000XH250XD28mm/W100XH250XD28mm/W1750XH250XD28mm           Cabient Resolution         30x640/320x480/320x320/320x160/         25ck512/256x384/256x256/256x128/         192x384/192x288/192x192/192x96/           Cabient Weight         9.57t.55/2.85/2.44         51zx128/384x128 dots         384x96/288x96 dots           Cabient Weight         9.57t.55/2.85/2.44         9.70	Module Size	W250xH250mm	W250xH250mm	W250xH250mm	
Cabinet Resolution         320x640/320x480/320x320/320x160/         526x51z/256x384/256x256/256x128/         192x384/192x288/192x192/192x96/           Cabinet Weight         5.57.5/5/2.8/5.2/4         512x128/384x128 dots         384x96/288x96 dots           Cabinet Weight         9.57.5/5/2.8/5.2/4         9.57.5/5/2.8/5.2/4         9.57.5/5/2.8/5.2/4           P Rating         1P20         1P20         1P20           Operating Temperature/Humidity         -30°C+50°C/10%-90%RH         -30°C+50°C/10%-90%RH         -30°C+50°C/10%-90%RH           Storage Temperature/Humidity         40°C+80°C/10%-90%RH         -40°C+80°C/10%-90%RH         -40°C+80°C/10%-90%RH           Storage Scale         14-16bit         14-16bit         14-16bit         14-16bit           Contrast Ratio         8000:1         8000:1         8000:1         8000:1         8000:1           Refersh Rate         3840Hz         3840Hz         3840Hz         3840Hz         3840Hz           Input Power (Max)         C550Wm²         C100-240V (+10%)         C100-240V (+10%)         C100-240V (+10%)           Input Power (Avg)         C138W/m²         C170W/m²         C170W/m²         C170W/m²           Maintenance Mode         Front/Rear Maintenance         Front/Rear Maintenance         Front/Rear Maintenance         CAT5 Cable (L≤100m), multi-mode fiber (L≤	Module Resolution	160x160 dots	128x128 dots	96x96 dots	
Sizx128/384x128 dots   Sizx128/384x128 do	Cabinet Size	W1000XH500XD28mm/W750XH500XD28mm/W500XH500XD28mm/W500XH250XD28mm/W1000XH250XD28mm/W750XH250XD28mm			
Cabinet Weight         9.5/7.5/5/2.8/5.2/4         9.0%CH	Cabinet Resolution	320x640/320x480/320x320/320x160/	256x512/256x384/256x256/256x128/	192x384/192x288/192x192/192x96/	
Pating   P20		640x160/480x160 dots	512x128/384x128 dots	384x96/288x96 dots	
Operating Temperature/Humidity         -30°C~+50°C/10%-90%RH         -30°C~+50°C/10%-90%RH           Storage Temperature/Humidity         -40°C~+80°C/10%-90%RH         -40°C~+80°C/10%-90%RH           Storage Temperature/Humidity         -40°C-+80°C/10%-90%RH         -40°C~+80°C/10%-90%RH           Gray Scale         14-16bit         14-16bit         14-16bit           Contrast Ratio         8000:1         8000:1         6000:1           Refresh Rate         3840Hz         3840Hz         3840Hz           Input Power frequency         50/60 Hz         50/60 Hz         50/60 Hz           Input Voltage         AC100-240V (+/-10%)         AC100-240V (+/-10%)         AC100-240V (+/-10%)           Input Power (Max)         <550W/m²	Cabinet Weight	9.5/7.5/5/2.8/5.2/4	9.5/7.5/5/2.8/5.2/4	9.5/7.5/5/2.8/5.2/4	
Storage Temperature/Humidity         -40°C~+80°C/10%-90%RH         -40°C~+80°C/10%-90%RH         -40°C~+80°C/10%-90%RH           Gray Scale         14-16bit         14-16bit         14-16bit         14-16bit           Contrast Ratio         8000:1         8000:1         6000:1           Refresh Rate         3840Hz         3840Hz         3840Hz           Input Power frequency         50/60 Hz         50/60 Hz         50/60 Hz           Input Power (Max)         <550W/m²	IP Rating	IP20	IP20	IP20	
Gray Scale         14-16bit         14-16bit         14-16bit         14-16bit         14-16bit         6000:1	Operating Temperature/Humidity	-30°C~+50°C/10%~90%RH	-30°C~+50°C/10%~90%RH	-30°C~+50°C/10%~90%RH	
Contrast Ratio 8000:1 8000:1 6000:1  Refersh Rate 3840Hz 3840Hz 3840Hz 3840Hz  Input power frequency 50/60 Hz 50/60 Hz  Input Voltage AC100~240V (+/-10%) AC100~240V (+/-10%) AC100~240V (+/-10%) AC100~240V (+/-10%)  Input Power (Max) <550W/m² <510W/m² <510W/m² <510W/m² <170W/m² <170W/m² <170W/m²   Installation Mode Floor Mounted/Hanging Floor Mounted/Hanging Floor Mounted/Hanging Front/Rear Maintenance Portving Type Constant Current,1/24 Scanning Constant Current,1/24 Scanning Constant Current,1/24 I/48Scanning Constant Current,1/24 Scanning Constant Current,1/24 I/48Scanning CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km) single mode fiber (L≤10km)  Power Supply WP/Kingxiu 200W WVP/Kingxiu 200W WVP/Kingxiu 200W (CN1065S(Chipone) ICN1065S(Chipone) ICN1065S(Chipone)	Storage Temperature/Humidity	-40°C~+80°C/10%~90%RH	-40°C~+80°C/10%~90%RH	-40°C~+80°C/10%~90%RH	
Refersh Rate 3840Hz 3840Hz 3840Hz 3840Hz 3840Hz 50/60 Hz	Gray Scale	14-16bit	14-16bit	14-16bit	
Input power frequency  50/60 Hz  60/00 Hz  60	Contrast Ratio	8000:1	8000:1	6000:1	
Input Voltage AC100~240V (+/-10%) AC1000~240V (+/-10%) AC1000~240V (+/-10%) AC1000~240V (+/-10%) AC1000~240V (+/-10%) AC1000~2	Refresh Rate	3840Hz	3840Hz	3840Hz	
Input Power (Max) <550W/m² <510W/m² <510W/m² <170W/m² <1	Input power frequency	50/60 Hz	50/60 Hz	50/60 Hz	
Input Power (Avg) < 138W/m² < 170W/m² < 170W/m	Input Voltage	AC100~240V (+/-10%)	AC100~240V (+/-10%)	AC100~240V (+/-10%)	
Installation Mode Installatio	Input Power (Max)	<550W/m <sup>2</sup>	<510W/m <sup>2</sup>	<510W/m²	
Maintenance Mode Front/Rear Maintenance Constant Current,1/24 Scanning Constant Current,1/24 1/48Scanning Constant Current,1/24 Scanning CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), multi-mode fiber (L≤300m), multi-mode fiber (L≤300m), single mode fiber (L≤10km) single mode fiber (L≤10km) single mode fiber (L≤10km)  Power Supply WVP/Xingxiu 200W WVP/Xingxiu 200W WVP/Xingxiu 200W  Driver Chips ICN1065S(Chipone) ICN1065S(Chipone) ICN1065S(Chipone)	Input Power (Avg)	<138W/m²	<170W/m²	<170W/m <sup>2</sup>	
Driving TypeConstant Current,1/24 ScanningConstant Current,1/24 ScanningConstant Current,1/24 I/48ScanningSignal Transmission DistanceCAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)CAT5 Cable (L≤100m), multi-mode fiber (L≤300m), single mode fiber (L≤10km)Power SupplyWVP/Xingxiu 200WWVP/Xingxiu 200WWVP/Xingxiu 200WDriver ChipsICN1065S(Chipone)ICN1065S(Chipone)	Installation Mode	Floor Mounted/Hanging	Floor Mounted/Hanging	Floor Mounted/Hanging	
Signal Transmission Distance CAT5 Cable ( $L \le 100 \text{m}$ ), multi-mode fiber ( $L \le 300 \text{m}$ ), single mode fiber ( $L \le 100 \text{m}$ ), multi-mode fiber ( $L \le 300 \text{m}$ ), single mode fiber ( $L \le 100 \text{m}$ ), multi-mode fiber ( $L \le 100 \text{m}$ ), multi-mode fiber ( $L \le 100 \text{m}$ ), single mode fiber ( $L \le 100 \text{m}$ ) single mode fiber ( $L \le 100 \text{m}$ ) single mode fiber ( $L \le 100 \text{m}$ ) single mode fiber ( $L \le 100 \text{m}$ ) wwp/Xingxiu 200W WP/Xingxiu 200W UP/Xingxiu 200W UP/Xingxiu 200W ICN1065S(Chipone)	Maintenance Mode	Front/Rear Maintenance	Front/Rear Maintenance	Front/Rear Maintenance	
single mode fiber (L≤10km) single mode fiber (L≤10km) single mode fiber (L≤10km)  Power Supply WVP/Xingxiu 200W WVP/Xingxiu 200W  Driver Chips ICN1065S(Chipone) ICN1065S(Chipone) ICN1065S(Chipone)	Driving Type	Constant Current,1/24 Scanning	Constant Current,1/24 Scanning	Constant Current,1/24 1/48Scanning	
Power Supply WVP/Xingxiu 200W WVP/Xingxiu 200W WVP/Xingxiu 200W UCN1065S(Chipone) UCN1065S(Chipone) UCN1065S(Chipone)	Signal Transmission Distance	CAT5 Cable ( L $\leq$ 100m ), multi-mode fiber ( L $\leq$ 300m ),	CAT5 Cable ( L $\leq$ 100m ), multi-mode fiber ( L $\leq$ 300m ),	CAT5 Cable ( L $\leqslant$ 100m ), multi-mode fiber ( L $\leqslant$ 300m ),	
Driver Chips ICN1065S(Chipone) ICN1065S(Chipone) ICN1065S(Chipone)		single mode fiber (L≤10km)	single mode fiber (L≤10km)	single mode fiber (L≤10km)	
	Power Supply	WVP/Xingxiu 200W	WVP/Xingxiu 200W	WVP/Xingxiu 200W	
Receiving Card A8S-N/A10S PRO (Nova) A8S-N/A10S PRO (Nova) A8S-N/A10S PRO (Nova)	Driver Chips	ICN1065S(Chipone)	ICN1065S(Chipone)	ICN1065S(Chipone)	
	Receiving Card	A8S-N/A10S PRO (Nova)	A8S-N/A10S PRO (Nova)	A8S-N/A10S PRO (Nova)	

Pixel Pitch	3.1mm	3.9mm	5.2mm	
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	
LED Type	SMD2020/1921	SMD2020/1921	SMD2020/1921	
Brightness (Max)	1000 nit/3500 nit	1000 nit/3500 nit	1000 nit/3500 nit	
White Balance Brightness	800 nit/3000 nit	800 nit/3000 nit	800 nit/3000 nit	
Color Temperature	6500K-9300K (adjustable)	6500K-9300K (adjustable)	6500K-9300K (adjustable)	
Viewing Angle	H160°/140°	H160°/140°	H160°/140°	
Pixel Density	102400	65536	36864	
Module Size	W250xH250mm	W250xH250mm	W250xH250mm	
Module Resolution	80x80 dots	64x64 dots	48x48 dots	
Cabinet Size	W1000XH500XD28mm/W750XH500XD28mm/W500XH500XD28mm/W500XH250XD28mm/W1000XH250XD28mm/W750XH250XD28mm			
Cabinet Resolution	160x320/160x240/160x160/160x80/	128x256/128x192/128x128/128x64/	96x192/96x144/96x96/96x48/	
	320x80/240x80 dots	256x64/192x64 dots	192x48/144x48 dots	
Cabinet Weight	9.5/7.5/5/2.8/5.2/4	9.5/7.5/5/2.8/5.2/4	9.5/7.5/5/2.8/5.2/4	
IP Rating	IP20	IP20	IP20	
Operating Temperature/Humidity	-30°C~+50°C/10%~90%RH	-30°C~+50°C/10%~90%RH	-30°C~+50°C/10%~90%RH	
Storage Temperature/Humidity	-40°C~+80°C/10%~90%RH	-40°C~+80°C/10%~90%RH	-40°C~+80°C/10%~90%RH	
Gray Scale	14-16bit	14-16bit	14-16bit	
Contrast Ratio	6000:1	6000:1	6000:1	
Refresh Rate	3840Hz	3840Hz	3840Hz	
Input power frequency	50/60 Hz	50/60 Hz	50/60 Hz	
Input Voltage	AC100~240V (+/-10%)	AC100~240V (+/-10%)	AC100~240V (+/-10%)	
Input Power (Max)	<580W/m <sup>2</sup>	<580W/m <sup>2</sup>	<580W/m <sup>2</sup>	
Input Power (Avg)	<145W/m²	<145W/m²	<145W/m²	
Installation Mode	Floor Mounted/Hanging	Floor Mounted/Hanging	Floor Mounted/Hanging	
Maintenance Mode	Front/Rear Maintenance	Front maintenance	Front maintenance	
Driving Type	Constant Current,1/24 Scanning	Constant Current,1/16 1/32 Scanning	Constant Current,1/24 Scanning	
Signal Transmission Distance	CAT5 Cable ( L $\leq$ 100m ), multi-mode fiber ( L $\leq$ 300m ),	CAT5 Cable ( L $\leq$ 100m ), multi-mode fiber ( L $\leq$ 300m ),	CAT5 Cable ( L $\leqslant$ 100m ), multi-mode fiber ( L $\leqslant$ 300m ),	
	single mode fiber (L≤10km)	single mode fiber (L≤10km)	single mode fiber (L≤10km)	
Power Supply	WVP/Xingxiu 200W	WVP/Xingxiu 200W	WVP/Xingxiu 200W	
Driver Chips	ICN1065S(Chipone)	ICN2153S(Chipone)	ICN1065S(Chipone)	
Receiving Card	A8S-N/A10S PRO (Nova)	A8S-N/A10S PRO (Nova)	A8S-N/A10S PRO (Nova)	

-46