



Transparent LED Screen

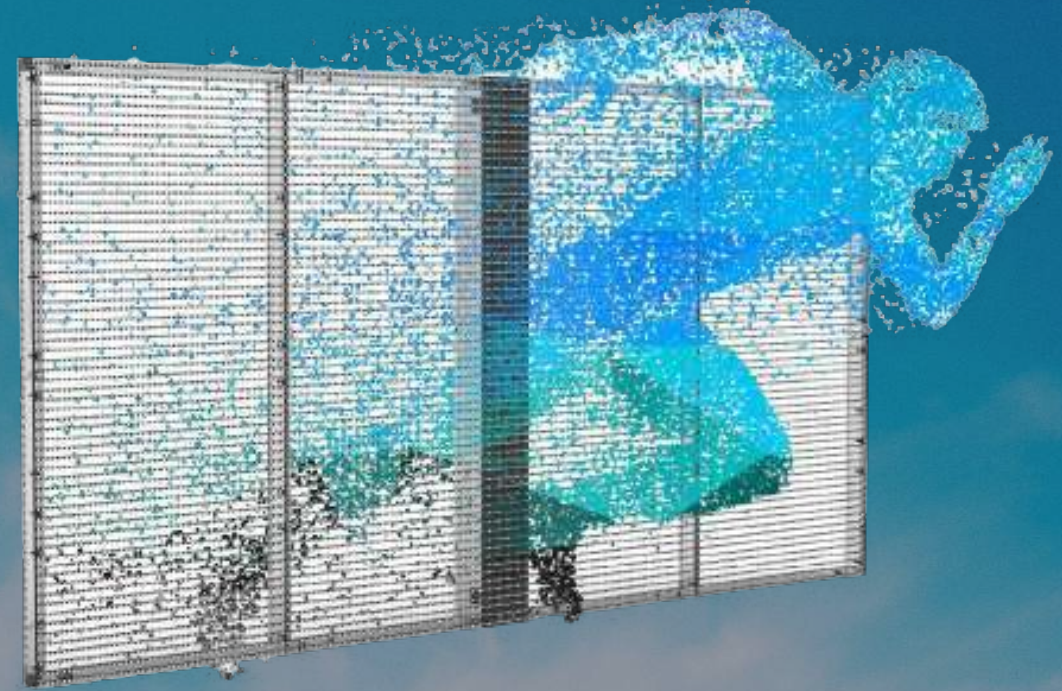
The New Era of Media Architecture

Transparent LED Displays

The transparency of glass and its advantages in construction have gradually replaced traditional concrete walls outside modern buildings; glass has become the most eye-catching facade of modern cities and buildings. LED transparent displays undoubtedly became the optimal choice for accentuating architecture.

Transparent LED Screen is a see-through type of LED display screen. It enables the viewers to see whatever is shown on the glass along with providing a complete coverage of its background as well

Transparent LED screens are a unique development of integrating partially transparent pixels onto a transparent plastic, glass or silicone substrate and divided into external and internal. Structurally, interior (indoor) and exterior (outdoor) screens.



Indoor

Indoor means that the screen is installed behind a glass wall. Indoor transparent LED series can be designed to create eyes-catching displays. Ideal for permanent displays including building façade, store front, landmarks, entertainment venues and tradeshows. Customizable to fit any indoor architecture size.





Private
Customization



High
Transparency



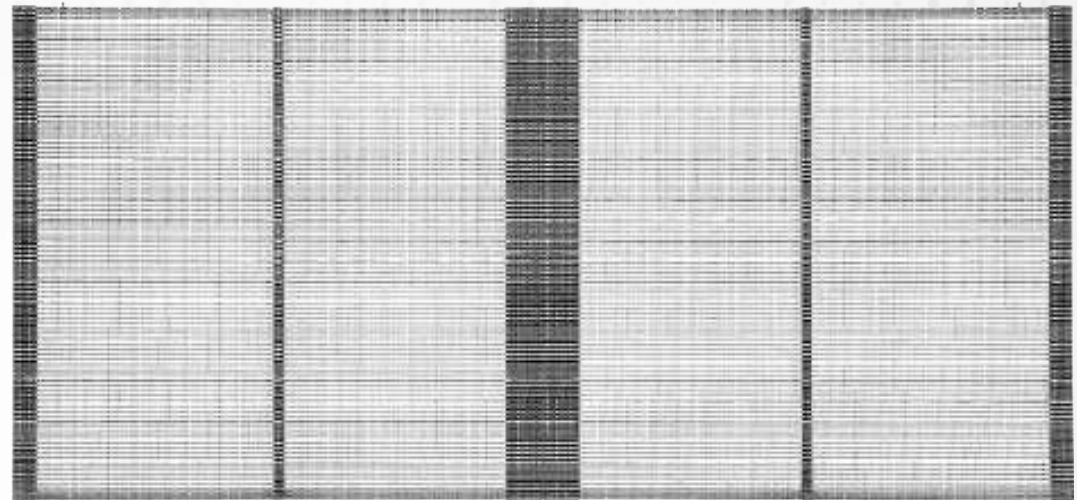
Thin &
Light Design



High
Brightness

Product Features

- Available from P2.6 x 5.2 to P15.6 in different transparencies ranging from 60% - 85%
- Nationstar brand LEDs, positive luminous LED lamps beads (surface LEDs), SMT technology
- Energy saving & environmental protection without the need for cooling or air conditioning devices.
- Unique design with high transparency
- Super thin design, 25mm thickness or 75mm thickness inclusive of power box.
- Lightweight (7.5Kg/m^2)
- Multi Installation Ways, base mounting, hanging or curved.
- Simple structure with easy installation & low maintenance cost.
- Aluminum cabinet frame and wireless design, the result is clean and tidy backside appearance.
- High-end and special requirements customization.



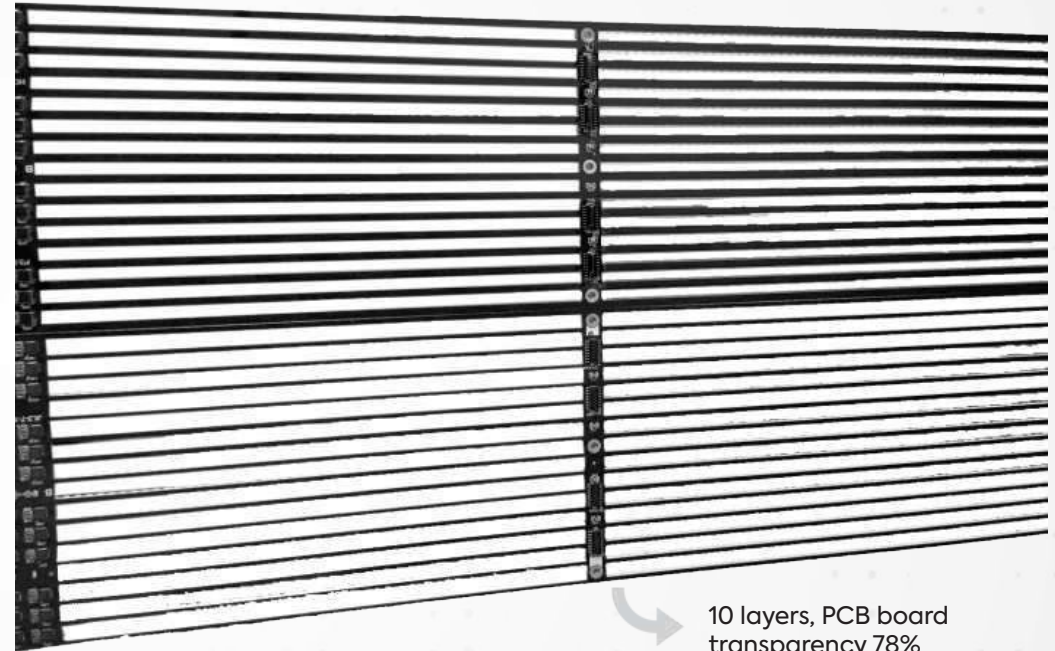
Front



Back



6 layers, PCB board
transparency 60%



10 layers, PCB board
transparency 78%

High Transparency Design

P2.6 x 5.2 and P3.9 x7.8 are the most popular types due to better resolution & PCB strips. We produce 10 layers PCB board bringing transparency up to 78%.



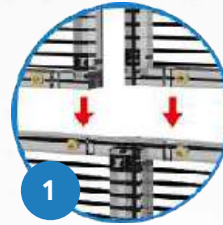
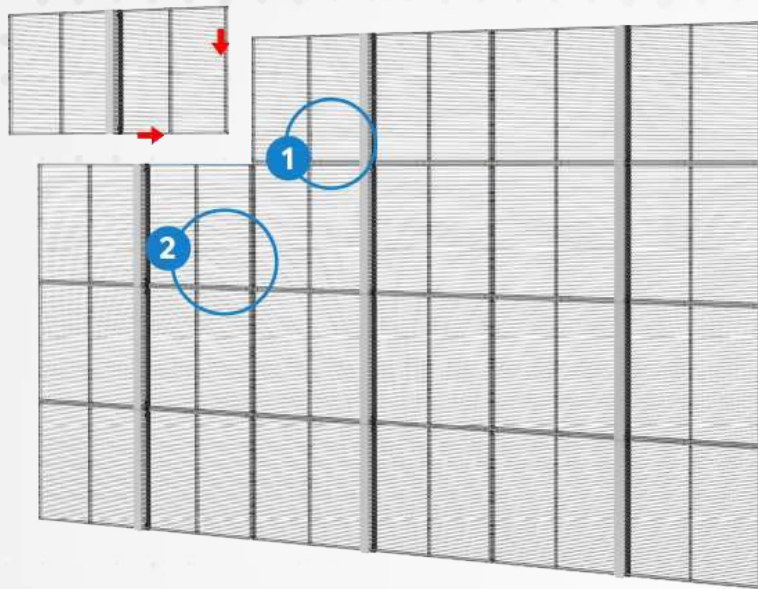
Dual Power Box Solution

In order to keep the best transparency and the gorgeous looking for some small retailing store windows, our power box can be easily moved to the side of the cabinet.

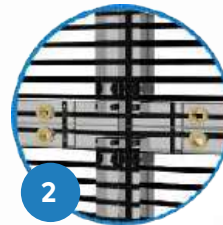


Curved Indoor Transparent LED for Custom Applications

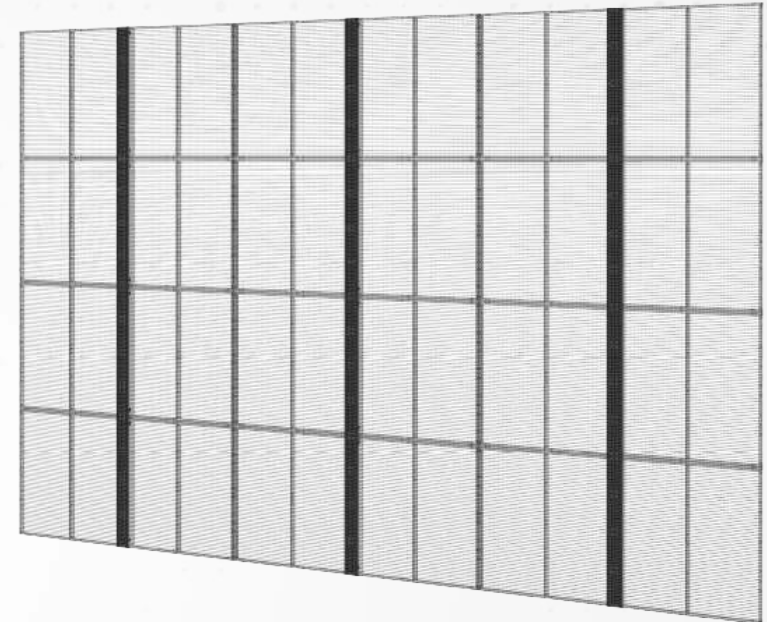




Cabinet connection up & down



Fix the cabinet with screw



Fast Installation



Maintenance & Convenient



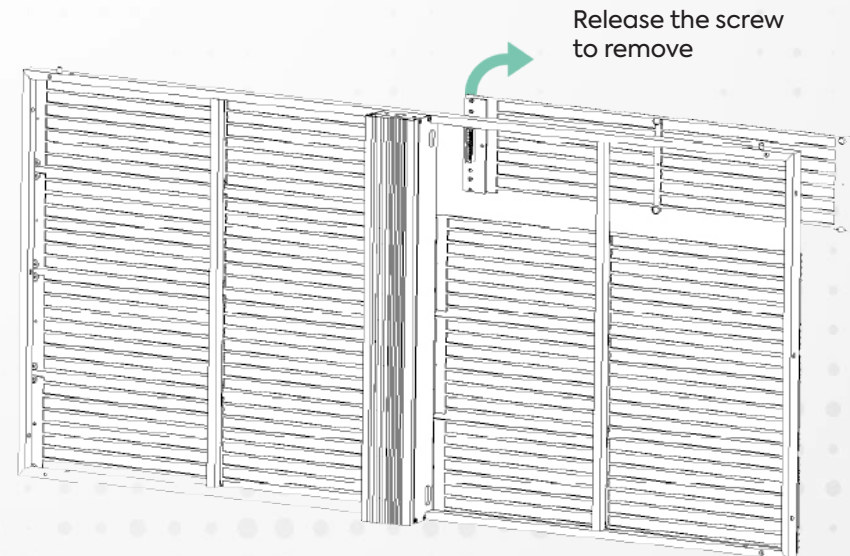
Energy Saving



Flexibility

Installation & Maintenance

Our newly designed generation of transparent LED screens is not really easy to damage, you only need to replace a single LED strip or small module, fast, easy, low maintenance cost and easy to access front or back service side.



INDOOR FIXED TRANSPARENT LED SCREEN

Model	P2.6-5.2	P3.9-7.8	P3.9-7.8	P5.2-10.4	P10.4	P15.6
Pixel Pitch	W2.6 x H5.2	W3.9 x H7.8	W3.9 x H7.8	W5.2 x H10.4	W10.4 x H10.4	W15.6 x H15.6
Transparency	60%	78%	65%	67%	67%	85%
Resolution (dot/m ²)	73728	32768	32768	18432	9216	4096
Cabinet resolution	384 x 192	256 x 64	256 x 64	192 x 96	96 x 96	64 x 64
Weight/m ² (Kg)	8	7.5	7.5	7.5	7.5	7.5
Refresh rate (Hz)	5120	5120	5120	3840	3840	3840
Driving IC	ICN2153	ICN2153	ICN2153	MY9866 (TW)	MY9866 (TW)	ICN2038S
LED encapsulation	SMD1515	SMD1921	SMD1921	SMD1921	SMD2727	SMD2727
Driving method	1/12	1/8	1/8	1/4	1/2	Static
Pixel composition	IR1G1B	IR1G1B	IR1G1B	IR1G1B	IR1G1B	IR1G1B
MAX power consumption (w/m ²)	800	800	800	800	800	800
Average power consumption (w/m ²)	260	260	260	260	260	260
Brightness level (nits)	≥3200	≥2500	≥4500	≥4500	≥4500	≥5500
Cabinet size (mm)	1000 x 500 x 75/ 1000 x 1000 x 75 (able to rotate 90 degree)					
LED control system	Novastar A4s	Novastar A4s	Novastar A4s	Novastar A4s	Novastar A4s	Novastar A4s
Display interface	WIFI/DVI/HDMI/DP/Netcable/Internet remote control					
Grey scale	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
IP grade	IP30	IP30	IP30	IP30	IP30	IP30
Eliminate ghost function	included	included	included	included	included	included
Power supply	PFC LED professional power supply DC4.7V 80A					
Module voltage	DC4.7± 0.2V					
Input voltage	AC100 240V 50/60Hz wide pressure/220V±10V					
Working temperature/Humidity	-10 ~ +40°C,10% - 90% no condensation					
Cabinet material	Aluminum profile cabinet					
Installation type	Base mounting or hanging					
LED life span	≥100,000 hrs					
Warranty (Months)	24					



Outdoor

Outdoor means that the exterior screen is installed front of a glass wall. Outdoor LED displays are accessible in various pixel pitches from enormous freestyle video displays to building visual plan. This keen, lightweight and rough strip LED arrangement can bring out incredibly brilliant recordings on displays of any size, shape or structure, just as lighting type impacts.



High
Transparency



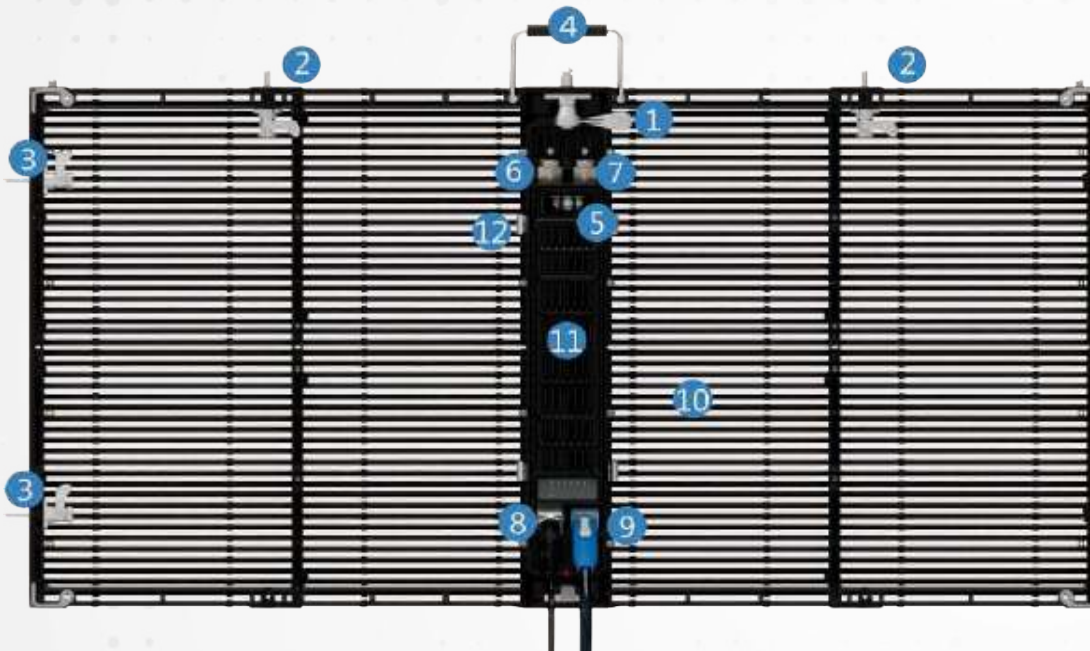
Light Design



Waterproof



High
Brightness



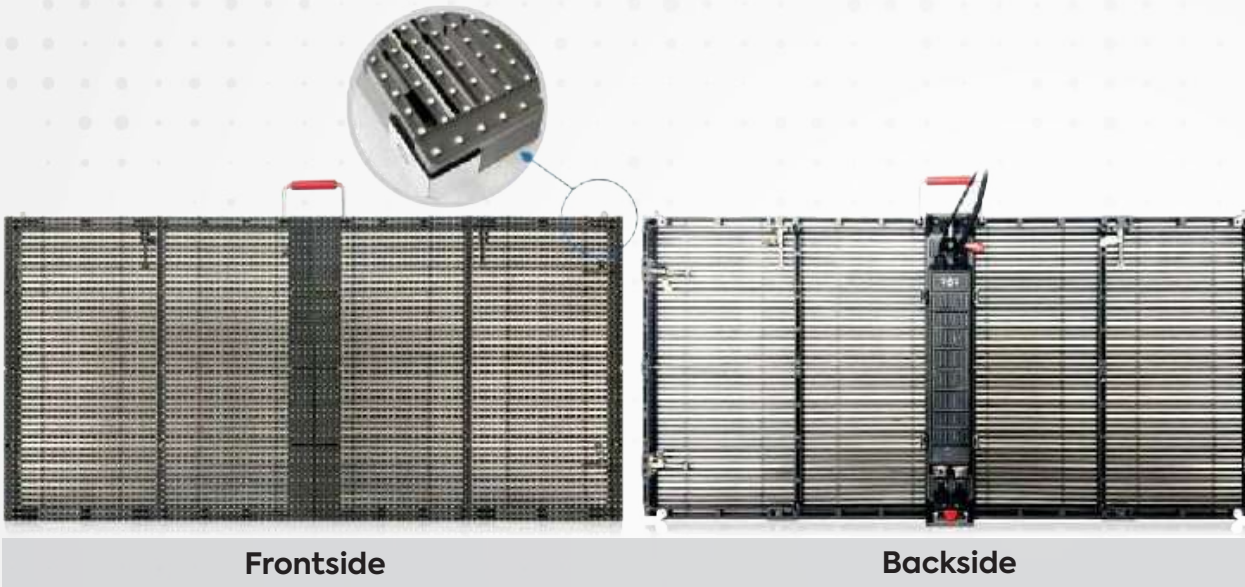
Product Features

- ⦿ Available from P3.9 to P15.6 in different transparencies
- ⦿ Fully sealed LEDs by silicon glue , IP65 high protection grade , waterproof , dustproof and impact proof.
- ⦿ High transparency between 55% - 90%, seamless glass facade and window lighting structure.
- ⦿ Energy saving & environmental protection without the need for cooling or air conditioning devices.
- ⦿ Super thin design, 38.5mm thickness or 78mm thickness inclusive of power box.
- ⦿ Lightweight (15Kg/m²)
- ⦿ Multi Installation Ways, base mounting, hanging or curved.
- ⦿ Simple structure with easy installation & low maintenance cost.
- ⦿ High-end and special requirements customization.

- | | | |
|------------------|----------------------|------------------|
| 1 Fast Lock | 5 Indicator Lamp | 9 Power Input |
| 2 Up & Down Lock | 6 Signal Output Plug | 10 Led Module |
| 3 Side Lock | 7 Power Output Plug | 11 Power Box |
| 4 Handle | 8 Signal Input | 12 Power Box Lap |

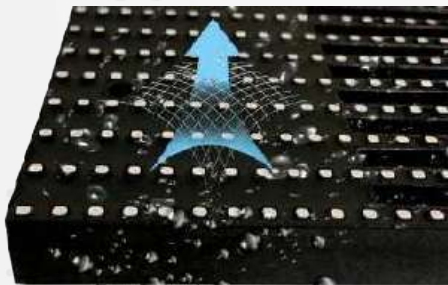




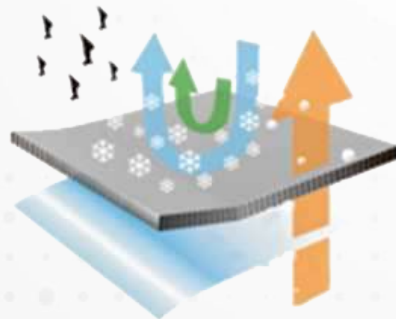


LED Lamp Design

The design structure of led lamp and led strips is based on using packaging and glue filling technology, this provides lamp and led strips with high protection , and will not be affected by water or unknown external surface impact.



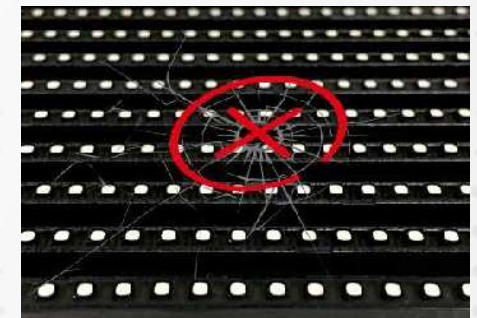
Sealing glue filling technology not only protects led lamp, but also plays the role of waterproof and anticollision



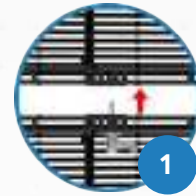
Water evaporates on the surface without affecting the LEDs



LED is intact after being hit by an unknown object



After the impact on the outside of the cabinet, the led lamp still working well



Connection between cabinets up & down by side lock



Fix the cabinet by connector plate



Connection between cabinets up & down by fast lock



Fast Installation



Maintenance & Convenient



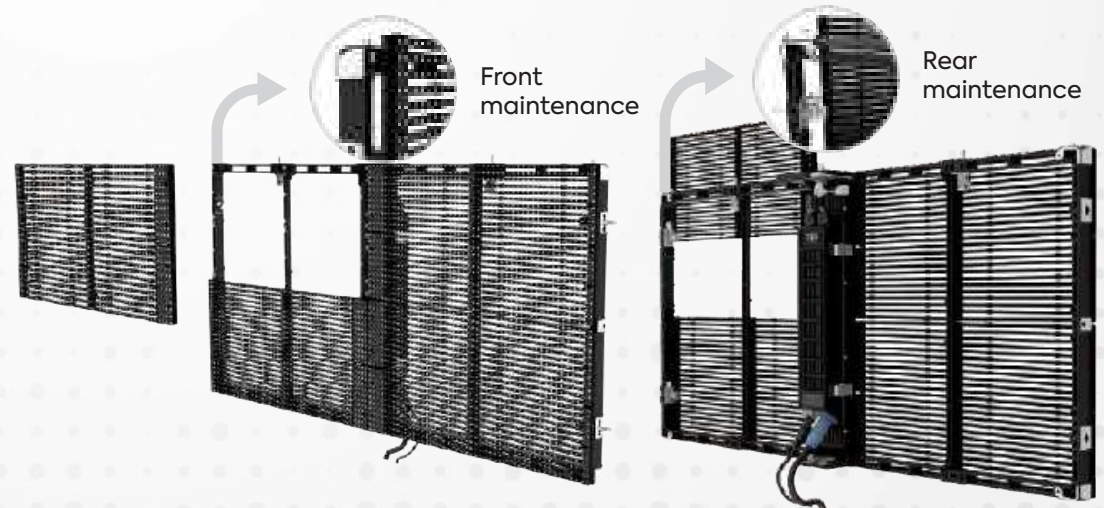
High Protection Level




Flexibility

Front & Rear Maintenance

A new generation of LED transparent display screen is not easy to damage, simply a single led strip or small module would have to be replaced, fast and simple, low maintenance cost, easily accessible front and back maintenance.



A wide-angle photograph of a large, ornate street scene, likely a theme park or shopping district. The street is lined with multi-story buildings featuring intricate architectural details and warm lighting. The ceiling is a large, curved, translucent structure that glows with a vibrant blue and purple light, creating a dramatic atmosphere. A large, dark, winged figure is flying through the air above the street. In the foreground, a large crowd of people is walking along the street, some holding maps. The overall scene is illuminated by a combination of the ambient light from the buildings and the bright, colorful light from the custom LED ceiling.

Customized Ceiling Transparent LED

OUTDOOR FIXED TRANSPARENT LED SCREEN

Model	P3.9-7.8	P5.2-10.4	P10.4	P15.6
Pixel Pitch	V3.9 x H7.8	V5.2 x H10.4	V10.4 x H10.4	V15.6 x H15.6
Transparency	55%	60%	60%	75%
Resolution (dot/m ²)	32768	18432	9216	4096
Cabinet resolution	256 x 64	192 x 96	96 x 96	64 x 64
Weight/m ² (Kg)	15	15	15	14
Refresh rate (Hz)	3840	3840	3840	3840
Driving IC	ICN2153	MY9866 (TW)	MY9866 (TW)	ICN2038S
LED encapsulation	SMD1921	SMD1921	SMD2727	SMD2727
Driving method	1/8	1/4	1/2	Static
Pixel composition	IR1G1B	IR1G1B	IR1G1B	IR1G1B
MAX power consumption (w/m ²)	800	800	800	800
Average power consumption (w/m ²)	260	260	260	260
Brightness level (nits)	≥4500	≥4500	≥4500	≥5500
Cabinet size (mm)	1000 x 500 x 80 (able to rotate 90 degree)			
LED control system	Novastar A4s	Novastar A4s	Novastar A4s	Novastar A4s
Display interface	WIFI/DVI/HDMI/DP/Netcable/Internet remote control			
Grey scale	16 bit	16 bit	16 bit	16 bit
IP grade	IP65	IP65	IP65	IP65
Eliminate ghost function	included	included	included	included
Power supply	PFC LED professional power supply DC4.7V 80A			
Module voltage	DC4.7± 0.2V			
Input voltage	AC100 240V 50/60Hz wide pressure/220V±10V			
Working temperature/Humidity	-10 ~ +40°C,10% - 90% no condensation			
Cabinet material	Aluminum profile cabinet			
Installation type	Base mounting or hanging			
LED life span	≥100,000 hrs			
Warranty (Months)	24			



Here is how we differ and where our strengths lie



Private Mold

All our indoor & outdoor screen cabinets use creative & eye-catching private mold instead of a public one shared by many others.



Experience

A professional engineering team with over 10 years of experience proven by many successful projects.



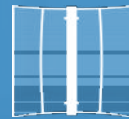
Quality Coating

100% automatic machine conformal coating in order to keep the screen PCB & components protected from dust, rust & humidity with good performance & high stability.



SMT Quality Control

Our own well equipped SMT workshop controls quality instead of just performing assembly work.



Customization

We offer many different custom solutions to meet every spec, size and shape.



Materials

- **LED Lamp**
Nationstar copper or gold wire LEDs
- **Driving IC/Refresh Rate**
ICN 2153 & MY9866 with eliminating ghost technology providing 3840Hz refresh rate and higher, no flickering under the camera
- **PCB Board**
Top quality brand, immersion gold with high stability
- **Connector**
Top brand, gold coating, gold thickness is 3μ , for better signal and power connection
- **Cables**
Jinhuanyu brand, top level A, copper 4/2.5sqm
- **Power supply**
Huayun brand, +80% efficiency, low consumption & PFC automatic correction



We are proud that the biggest duty-free shopping mall in the world uses our product.

Transparent LED Poster

MAGICVIU transparent LED poster is a sleek design, portable and plug & play display serves in making your business advertisements a lot more attractive and eye-catching. These screens come in a thin and light design, having ultra-thin profiles that make it easier for anyone to place these poster screens anywhere around their business location/store.

Anyone can easily operate them through a network or USB. This also means that changing content on these poster displays and updating the content is easier than ever.





Free Standing Type

Hanging Type

SEARS

#SeriouslySears

V-STUDIO



Product Features

- Ultra slim (45mm)
- IP62 protection rate
- Indoor & Outdoor use
- Plug & Play
- Sleek integrated design
- Portable
- Wi Fi control
- High definition
- 3G or 4G Wi Fi wireless intelligent control
- Group control/GPS control
- Rear & front tempered glass panel design
- Module seamless design
- High stability



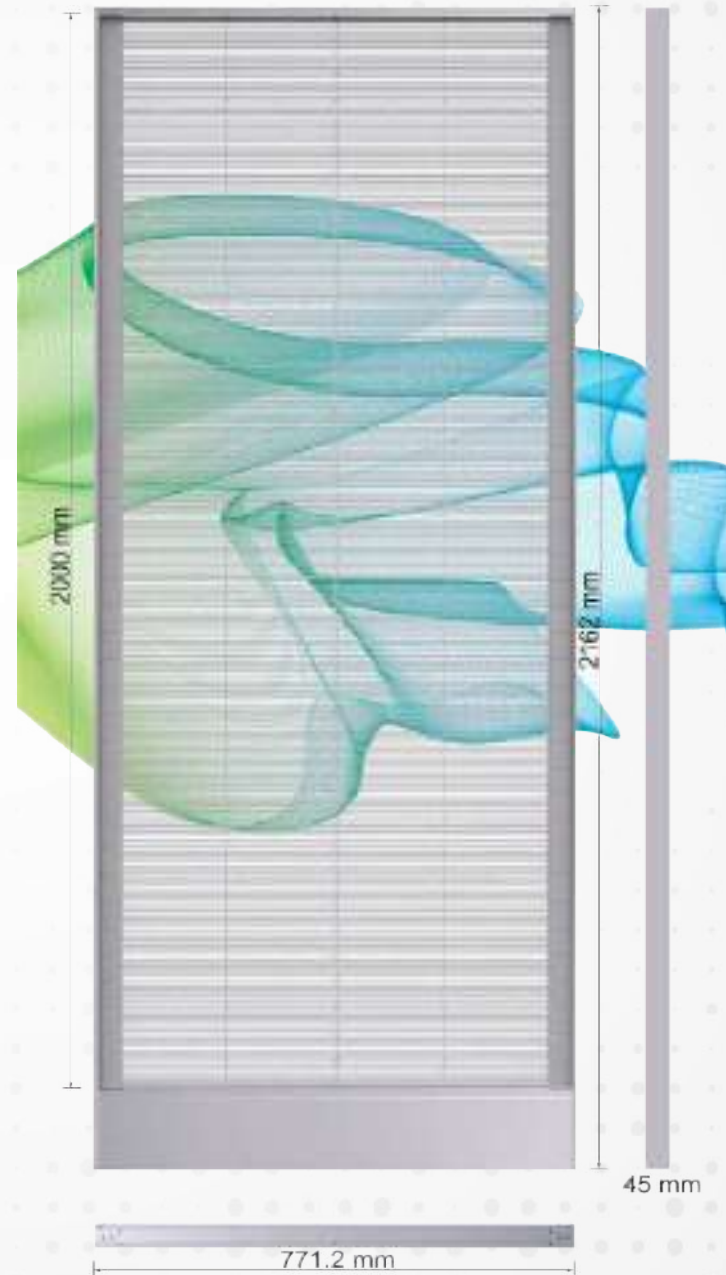
Plug & Play



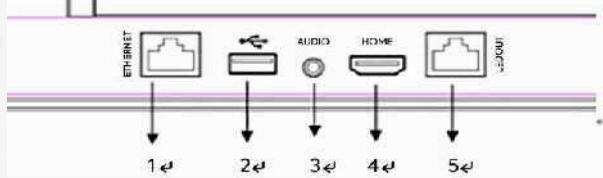
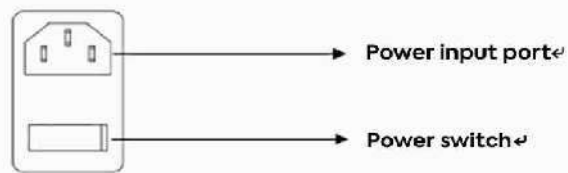
Sleek Design



Portable



Product Features



1. Ethernet Port
2. USB Port
3. Audio output port
4. HDMI Port
5. Network Port



Carson's



MAGICVIU



Multi panels can be put together to create one large transparent LED screen

Plug and Play Digital Poster, Wifi control, Hanging Poster

Part Number	ES2L	ES2M	ES2S	EM2S	EM2M	EM2L	Pro3s	Pro3m	Pro3L
Pixel Pitch (H/V)	2.95/6.25mm			2.78/5.56mm			W:3.47;H:3.47mm		
LED Configuration	SMD 1921 RGB			SMD 1921 RGB			SMD 1415 RGB		
Pixel Density	81920dot/Unit	65536dot/Unit	49152dot/Unit	62208dot/Unit	82944dot/Unit	103680dot/Unit	103680dot/Unit	138240dot/Unit	172800dot/Unit
Transparency	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%	> 40%	> 40%	> 40%
Module Size	377.6X50 mm L/R	377.6X50 mm L/R	377.6X50 mm L/R	400X66.7 mm L/R	400X66.7 mm L/R	400X66.7 mm L/R	500X83 mm L/R	500X83 mm L/R	500X83 mm L/R
Module Resolution	128X8dot	128X8dot	128X8dot	144X12dot	144X12dot	144X12dot	144X24dot	144X24dot	144X24dot
Cabinet Size	755.2 x2000mm	755.2 x1600mm	755.2 x1200mm	800 x1200mm	800 x1600mm	800 x2000mm	1000x 1250mm	1000 x1666mm	1000 x2082mm
Product Size	771.2X2162 X45mm	771.2X1762 X45mm	771.2X1362 X45mm	816X1362 X45mm	816X1362 X45mm	816X2162 X45mm	1016X1411 X45mm	1016X1828 X45mm	1016X2244 X45mm
Cabinet Resolution/dot	256X320 dot	256X256 dot	256X192 dot	288X216 dot	288X288 dot	288X360 dot	288X360 dot	288X480 dot	288X600 dot
Cabinet Weight	45kg/Unit	39kg/Unit	32kg/Unit	40kg/Unit	55kg/Unit	70kg/Unit	45kg/Unit	60kg/Unit	75kg/Unit
IP Rating (front/back)	IP62	IP62	IP62	IP62	IP62	IP62	IP62	IP62	IP62
Brightness	3500-4000nits/m ²			4500-5000nits/m ²			3500-4000nits/m ²		
Viewing Angle (H/V)	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°
Viewing Distance	4-5m			4m			3m		
Gray Scale	14bit			14bit			16bit		
Max.Power Consumption	1000W/m ²	800W/m ²	600W/m ²	600W/m ²	800W/m ²	1000W/m ²	800W/m ²	1000W/m ²	1200W/m ²
Avg.Power Consumption	330W/m ²	240W/m ²	180W/m ²	180W/m ²	240W/m ²	330W/m ²	240W/m ²	330W/m ²	360W/m ²
Scan method	16 Scan			8 Scan			16 Scan		
Refresh Rate	4800Hz			2880Hz			1920Hz		
Environment	Indoor/outdoor								
Control Mode	Wired connection: PC through the network cable or LAN connection WiFi connection: PC, Pad, mobile phone via WiFi connection								
Support Input	Composite,S-Vido,Component,HD_SDI,USB								
Operation Power	AC110~ 240V, 50/60Hz								
Operating Temperature	0°C~40°C(work) , - 20°C~60°C(store)								
Operating Humidity	35%~85% (work) , 10%~90% (store)								
Operating Life	≥100,000 hrs								
Warranty (Months)	24								

Plug and Play Digital Poster, Wifi control, Free Standing Poster

Model Number	ES2L	ES2M	ES2S	EM2S	EM2M	EM2L
Pixel Pitch (H/V)	2.95/6.25mm			2.78/5.56mm		
LED Configuration	SMD 1921 RGB			SMD 1921 RGB		
Pixel Density	81920dot/Unit	65536dot/Unit	49152dot/Unit	62208dot/Unit	82944dot/Unit	103680dot/Unit
Transparency	> 50%	> 50%	> 50%	> 50%	> 50%	> 50%
Module Size	377.6X50mm L/R	377.6X50mm L/R	377.6X50mm L/R	400X66.7mm L/R	400X66.7mm L/R	400X66.7mm L/R
Module Resolution	128X8dot	128X8dot	128X8dot	144X12dot	144X12dot	144X12dot
Cabinet Size	755.2x2000mm	755.2x1600mm	755.2x1200mm	800x1200mm	800x1600mm	800x2000mm
Product Size	771.2X2162X45mm	771.2X1762X45mm	771.2X1362X45mm	816X1362X45mm	816X1362X45mm	816X2162X45mm
Cabinet Resolution/dot	256X320dot	256X256dot	256X192dot	288X216dot	288X288dot	288X360dot
Cabinet Weight	45kg/Unit	39kg/Unit	32kg/Unit	40kg/Unit	55kg/Unit	70kg/Unit
IP Rating (front/back)	IP62	IP62	IP62	IP62	IP62	IP62
Brightness	3500-4000nits/m ²			4500-5000nits/m ²		
Viewing Angle (H/V)	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°
Viewing Distance	4-5m			4m		
Gray Scale	14bit			14bit		
Max.Power Consumption	1000W/m ²	800W/m ²	600W/m ²	600W/m ²	800W/m ²	1000W/m ²
Avg.Power Consumption	330W/m ²	240W/m ²	180W/m ²	180W/m ²	240W/m ²	330W/m ²
Scan method	16 Scan			8 Scan		
Refresh Rate	4800Hz			2880Hz		
Environment	Indoor/outdoor					
Control Mode	Wired connection: PC through the network cable or LAN connection WiFi connection: PC, Pad, mobile phone via WiFi connection					
Support Input	Composite,S-Vido,Component,HD_SDI,USB					
Operation Power	AC110~ 240V, 50/60Hz					
Operating Temperature	0°C~40°C(work) , - 20°C~60°C(store)					
Operating Humidity	35%~85% (work) , 10%~90% (store)					
Operating Life	≥100,000 hrs					
Warranty (Months)	24					



www.v-studio.co
info@v-studio.co

Tel: +966 12 206 8155
54 993 3387