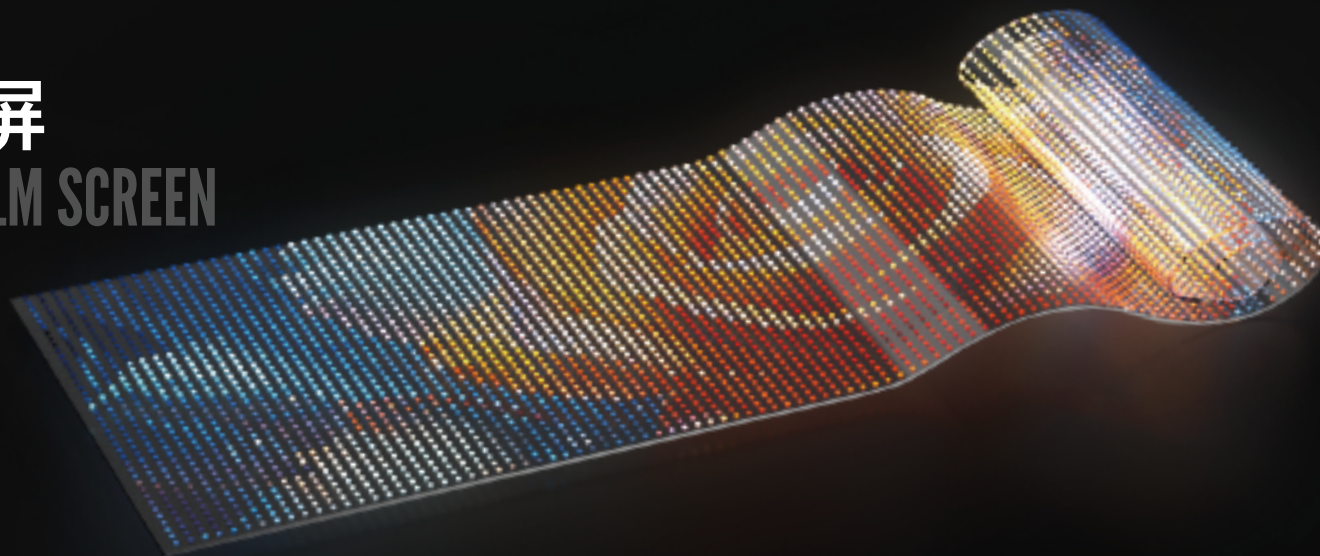# LED FLEXIBLE TRANSPARENT SCREEN

LED -Transparent -Flexible- Display Pioneer

LED晶膜屏
LED CRYSTAL FILM SCREEN

What is LED crystal film screen?

LED flexible crystal film display screen is a combination of research and development and manufacturing of core materials for LED flexible transparent film screens, circuit design and production, SMT, injection, assembly. Unlike traditional LED display screens, crystal film screens have the characteristics of lightweight, thin, transparent, easy to install, flexible, bendable, and customizable.
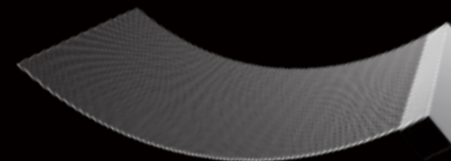
Up to 94% light transmittance

Crystal film screen with its ultra-highpermeability, to ensure the original lighting effect, provide high-definition picture quality at the same time, zero effect to the light penetration, keep the room bright and natural.

Arbitrary folding and bending

The flexibility of the crystal film screen makes it easy to realize any folding,and can be perfectly adapted to avariety of curved glass surface. The minimumb ending diameter is 6cm, and it can fit perfectly whether it is round, curved or irregular shape, adding unlimited creativity to the space.
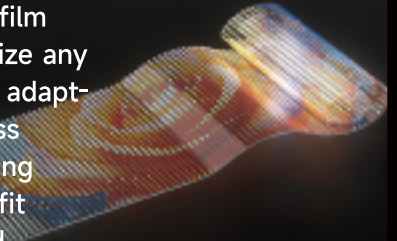
Ultra-thin design

The use of ultra-thin design not only makes the crystal film screen more visually bright, but also greatly reduce the space occupied, easy to install and use. In addition, the ultra-thin design also means that less material is used.thus reducing production costs.
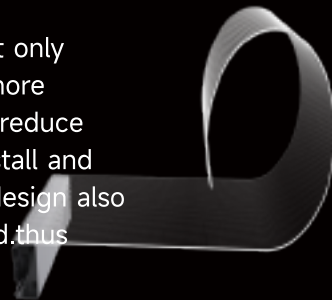
Seamless splicing

Adopting frameless design, perfect seamless splicing, so that the picture will be smooth without marks,can be splicing any size, splicing the larger the display the visual effect is better.

LED crystal film screen application scenarios

Driven by the continuous innovation and development of science and technology, LED crystal film screen, as a new generation of LED transparent display technology, is gradually changing our cognition and application of the display. This new type of LED transparent display with its unique characteristics and unlimited potential, is now becoming a popular choice in the business, culture and entertainment.

Window advertising solutions

Clothing design, electronic products, and cosmetics all rely on their high-quality visuals and excellent color reproduction ability to fully showcase the details and texture of products.

Business Center Solutions

Real time release of mall promotions, special offers, new product recommendations, etc. These pieces of information not only guide consumers for shopping, but also bring more tourists and sales of the mall.

Airport Lobby Solution

Real time update of flight information. By analyzing the shopping habits and hobbies of passengers, targeted advertising can increase the conversion rate and effectiveness of advertising.

Museum Solutions

Virtual reconstruction of cultural relics through high-tech means, showcasing the details of cultural relics from multiple perspectives. High definition and realism, providing better visual effects.

Automotive 4S Store Solutions

Showcasing the appearance, interior, and functional characteristics of a car, through holographic projection technology, consumers can have a virtual experience of the car before purchasing, enhancing their understanding of the product.

Stage solutions

Display virtual scenes and combine them with actual stages to create a performance space that transcends physical limitations, providing audiences with a vivid visual experience.

Product model number	P4-8	P6	P10
Pixel Pitch(mm)	8*4	6*6	10*10
Module resolution(px)	30×300	40×200	24×120
Resolution(pixels/m²)	31250	27777	10000
Screen visual transmittance	87%	90%	94%
Brightness(cd/m²)	2000~4000 Adjustable		
Module size(width×height×thickness mm)	1200*240*2		
Module weight(Kg/module)	1.1		
Peak power(W/m²)	600		
Average power(W/m²)	200		
Operating ambient temperature/humidity	-20℃ ~ 60℃/10% ~ 90%RH，no condensation		
Pixel composition	1R1G1B		
Horizontal view/vertical view	120°/110°		
Evenness	≥98%		
Maximum contrast	4000:1		
Protection grade	IP43		
Refresh rate(Hz)	≥3840		
LED Life time	≥10Ten thousand hours		

*Customizable brightness and size according to customer needs

LED晶芯屏
LED CHIP SCREEN

What is LED chip screen?

LED chip screen is a product that breaks away from conventional LED transparent screens. The LED bead naked crystal planting technology is used, and the lamp board uses transparent crystal film, with a transparent mesh circuit etched on the surface. The components are fixed on a high transparency flexible film, and after the surface is pasted with the components, the vacuum sealing process is used to integrate the display module into a high transparency optical lens type substrate that can emit light. Unlike traditional LED displays, chip screens have the characteristics of high energy efficiency, lightness, thinness, high transparency, simple installation, softness, flexibility, and adjustable.

High permeability

The transparency of LED chip screens reaches 98%, with a light transmittance of 80%, which does not affect visibility and daylighting.

Slim Design

Adhesive lamination process, thickness ≤ 1mm,
Can be better applied to various irregular scenes

low power consumption

The use of solid-state technology and external driver design results in extremely low power consumption, with a power output of only 120W-140W per square meter. This efficient design achieves about 80% energy-saving effect, greatly reducing energy consumption and operating costs.

Borderless design

Adopting a frameless design, the LED chip screen achieves perfect seamless splicing, eliminating the limitations of conventional panel borders and presenting a smoother and more natural visual effect, achieving seamless visual integration

Module series

Up to ten different pixel pitch specifications meet the display needs of different scenes, achieving the best display effect at the lowest cost.

Size

Product model number	SSD-JX0375	SSD-JX0404	SSD-JX0505	SSD-JX0606	SSD-JX7575
Prixel pitch	P3.75	P4	P5	P6	P7.5
Dimension(mm)	480*240	512*240	640*240	1000*240	960*240

Product model number	SSD-JX0808	SSD-JX1010	SSD-JX1515	SSD-JX2020	SSD-JX3030
Pixel pitch	P8	P10	P15	P20	P30
Dimension(mm)	1040*240	1040*240	1040*240	960*240	960*240

*Customizable brightness and size according to customer needs

Product model number	SSD-JX0375	SSD-JX0404	SSD-JX0505	SSD-JX0606	SSD-JX7575
Pixel Pitch(mm)	3.75*3.75	4*4	5*5	6.25*6	7.5*7.5
Cabinet resolution(px)	128×64	128×60	128×48	160×40	128×32
Pixel Density(Pixels/m^2)	71111	62500	40000	26666	10000
Brightness(cd/m^2)	≤2000Adjustable	≤2500Adjustable	≤2000Adjustable	≤1500Adjustable	≤1500Adjustable
Bending radius	Minimum bending radius 1m				
Contrast ratio	4000：1				
Protection grade	IP40				

Product model number	SSD-JX0808	SSD-JX1010	SSD-JX1515	SSD-JX2020	SSD-JX3030
Pixel Pitch(mm)	8.125*8	10*10	15*15	20*20	20*20
Cabinet resolution(px)	128×30	96×24	64×16	48×12	32×8
Pixel Density(Pixels/m^2)	15375	10000	10000	2500	1111
Brightness(cd/m^2)	≤1500 Adjustable				
Bending radius	Minimum bending radius 1m				
Contrast ratio	4000：1				
Protection grade	IP40				

Advertising Machine Series

Mainly used in public service halls of shopping malls, shops, beverage shops, cinemas, and railway stations. Due to its high transparency, stylish appearance, and convenient use, the product is highly sought after and used by customers.
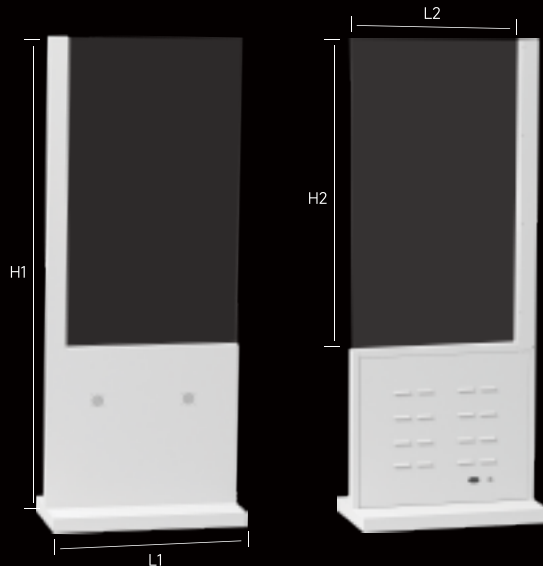
Size

Product model number	SSD-GG-P5-A-128X288	SSD-GG-P5-B-128X240	SSD-GG-P8-A-90X130
H1(mm)	1900	1900	1220
H2(mm)	1440	1200	1065
L1(mm)	720	720	770
L2(mm)	640	640	770

*Customizable brightness and size according to customer needs

Product model number	SSD-GG-P5-A-128X288	SSD-GG-P5-B-128X240	SSD-GG-P8-A-90X130
Glass thickness(mm)	10.74	10.74	8
Dimension(mm)	128×128	128×240	90×130
Resolution(px)	36864	30720	11700
Peak power (w)	130	110	135
Average power(w)	45	40	40
Refresh rate(Hz)	≤3840		
Control Method	Asynchronous remote control (synchronous optional)		
Audio	Supports multiple audio encoding protocols	Supports multiple audio encoding protocols	~
Weight(Kg)	About85	About85	About20
Color	White (customizable color)	White (customizable color)	Silver White
Packaging method	EPE foam , carton, wooden box packaging (The base and screen parts can be disassembled and packaged to save transportation costs)		EPE foam, carton wooden box packaging

Guardrail screen series

Mainly used in commercial corridor guardrails, public guardrails, bank and railway station corridor guardrail halls. Due to its high transparency, stylish appearance, and convenient use, the product is highly sought after and used by customers.

Size
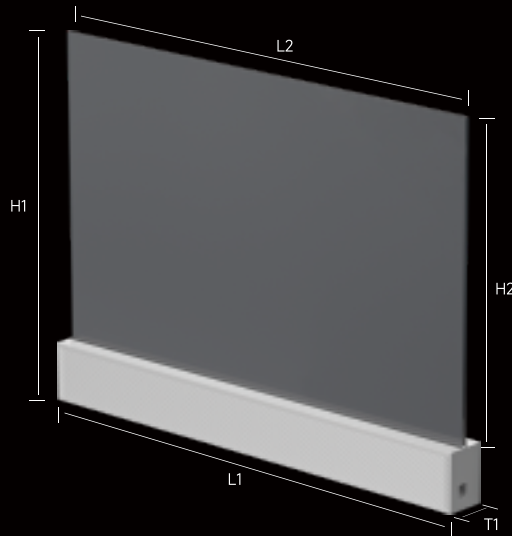
Product model number	SSD-HL-P0606-C(960x1000)	SSD-HL-P0808-B(960x1040)	SSD-HL-P1010-C(960x960)
L1(mm)	973	973	973
L2(mm)	970	970	970
H1(mm)	1130	1170	1090
H2(mm)	1010	1050	970
T1(mm)	76	76	76

*Customizable brightness and size according to customer needs

Product model number	SSD-HL-P0606-C(960x1000)	SSD-HL-P0808-B(960x1040)	SSD-HL-P1010-C(960x960)
LED light types		Die attach	
Pixel Pitch(mm)	6*6.25	8*8.125	10*10
Cabinet resolution(px)	160×160	120×128	96×96
Cabinet Weight(kg)	32	34	30
Pixel Density(Pixels/m^2)	26666	15375	10000
Brightness(cd/m^2)		≤1500 Adjustable	
Viewing angle		170°/170°	
Evenness		≥90%	
Chromaticity uniformity		±0.003 Cx,Cy Within	
Contrast ratio		4000:1	
Protection grade		IP40	
Driving method		Constant current dynamics	
Frame rate		60Frame /Second Suppot High resolution3D：120Frame /Second	
Refresh rate		≤3840Hz	
Screen color temperature		2000K ~ 9500K Adjustable	
Average power	40W/m^2 ~ 60W/m^2	50W/m^2 ~ 60W/m^2	50W/m^2 ~ 60W/m^2

Queuing screen series

Mainly used in government administrative halls, hospitals, banks, and public service halls at high-speed rail stations. Due to its high transparency, stylish appearance, and convenient use, the product is highly sought after and used by customers.
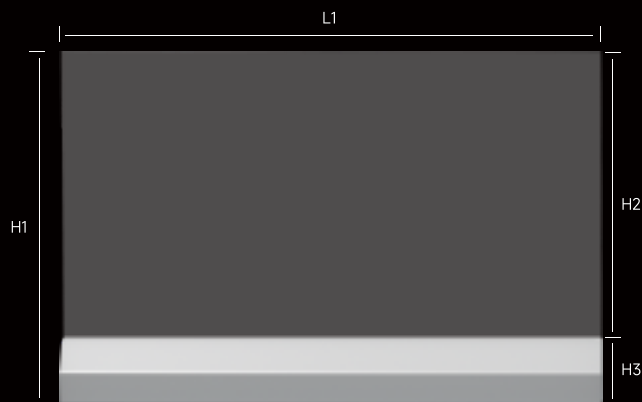
Size

Product model number	SSD-JH0505-A	SSD-JH7575-A	SSD-JH1010-A	SSD-JH1010-B
L1(mm)	730	730	970	820
H1(mm)	446.6	476.6	486.6	512.6
H2(mm)	360	390	400	425
H3(mm)	86.6	86.6	86.6	86.6

*Customizable brightness and size according to customer needs

| Product model number	SSD-JH0505-A	SSD-JH7575-A	SSD-JH1010-A	SSD-JH1010-B
Pixel pitch(mm)	5*5	7.5*7.8	10*10	10*10
Pixel Density(Pixels/m²)	40000	17094	10000	10000
Product resolution(px)	144×64	96×50	96×40	80×40
Product weight(kg)	≤8	≤8	≤11	≤9
Brightness(cd/m²)	≤2000	≤1300	≤1000	≤1800
Viewing angle	≤175°			
Refresh rate(Hz)	≤3840			
Frame rate(Hz)	60			
Grey Scale	≤65536			
Brightness adjustment	0-100%Manual / Automatic adjustment			
Life time	≥100,000 hours			
Viewing distance(m)	5~20	8~30	10~40	10~40
Peak power(W)	35	30	42	35
Average power(W)	12	10	13	11
Storage Environment	Temperature：-40℃~85℃ Humidity：10~65%			
Working environment	Temperature：-30℃~60℃ Humidity：10~65%			

Easy to install

Without the need for steel structure, just lightly stick the thin screen and connect the power & signal source; Self developed film coating process (the screen body has inherent viscosity and can be directly attached to the glass surface, with strong adsorbability. Its inherent characteristics will also increase in viscosity over time)

*Before installation, the glass should be wiped clean, professional tools should be used, and dust gloves should be worn before installation.

Control Method
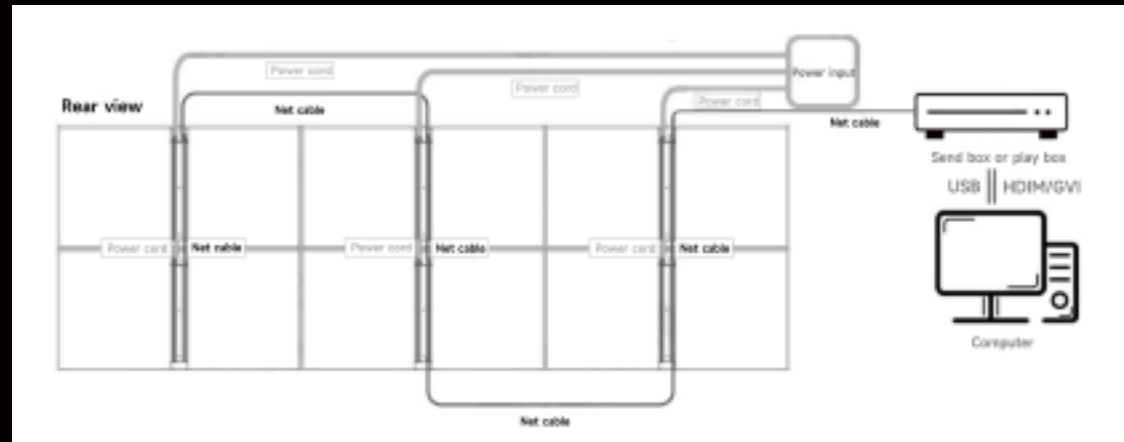
Widely used in creative displays, comprehensive shopping malls, retail storefronts, exhibition displays, and other scenarios.