SHENZHEN
KINGFUNG

LED SCREEN

KING FUNG 景丰

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• Shenzhen KINGFUNG Optoelectronic Technology Co., Ltd

Shenzhen Kingfung Optoelectronic Technology Co., Ltd. is located in Shenzhen City, Guangdong Province. It specializes in the manufacturing of LED display screens and is a subsidiary of the Blueview Group.

The company is dedicated to the production, sales, installation, and engineering technical services of LED display screens. The company's products are used in various applications, including transportation hubs, shopping malls, venues, stadiums, commercial complexes, schools, banks, hospitals, squares, indoor and outdoor curtain walls, advertising, exhibition halls, and rentals. This includes a full range of indoor and outdoor LED display screens, including various curved and irregular screens.

The company has a professional team for management, production, sales, and after-sales service. We adhere to the principles of "credibility first, quality first" and provide customers with comprehensive LED display control solutions and satisfactory pre-sales and after-sales services with excellent professional ethics and reliable product quality.

COMPANY PROFILE

Company Product

LED Display Screen

Outdoor Screen

Indoor Screen

Small-pitch Screen | Conventional Screen | Transparent Screen | Film Screen | Electro-optic Glass Screen | Flexible Screen

LED small-pitch screens have features such as high-definition display, high refresh rate, flexible and versatile design, and long lifespan. They can replace traditional LCD video walls and DLP projectors. During installation, the screens are seamlessly spliced together, providing customers with high-quality display services for information dissemination, brand promotion, advertising effects, and more.

LED Small-pitch Screen

Application
Suitable for indoor use, such as corporate showrooms, airport advertisements, schools, transportation systems, e-sports venues, and conference rooms.

Specification
P0.9、P1.2、P1.53、P1.6、P1.8、P1.9

Feature

High-precision seamless splicing: the die-cast aluminum housing is processed using CNC precision machining, with processing accuracy, flatness, and joint gap all less than 0.1mm. The unique housing structure and lock design enable precise splicing.

Low brightness and high gray technology: brightness100%, gray level 1bit; brightness 70%, gray level 16bit; brightness 50%, gray level 14bit; brightness 20%, gray level 14bit.

Structure with separated housing and module: during installation, the housing is installed first, followed by the module. The connections between the housings and between the housing and module are all wireless or hidden, which improves safety and stability.

Single module supports automatic detection of temperature, voltage, and communication lines: When replacing a new module, there is no need for any operation on the screen. It will intelligently initiate the calibration coefficient for the replacement.

Model	P0.9	P1.2	P1.5	P1.8
Pixel Pitch	0.9375mm	1.25mm	1.5625mm	1.875mm
Pixel Composition	4in1	1R1G1B	1R1G1B	1R1G1B
Pixels /㎡	1137777/㎡	640000/㎡	409600/㎡	284440/㎡
LED Size	Mini 4in1	SMD1010	SMD1212	SMD1515
Scanning mode	30-line scanning	45-line scanning	48-line scanning	30-line scanning
Contrast Ratio	8000:01:00	8000:01:00	8000:01:00	8000:01:00
Luminance of White Balance	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡
Average Power Consumption W/㎡	220-300	200-250	180-220	150-200
Max Power Consumption W/㎡	600	600	550	500
Application	Indoor	Indoor	Indoor	Indoor
Module Size/mm	150*168.75	150*168.75	150*168.75	150*168.75
Module Resolution/Pixel	160*180	120*135	96*108	80*90
Die-cast Aluminum Box Dimension/mm	600*337.5m	600*337.5	600*337.5	600*337.5
Display Resolution of The Box / Pixel	640*360	480*270	384*216	320*180
Weight Kg/㎡	About 22KG	About 22KG	About 22KG	About 22KG
Frame Rate	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Refresh Rate	3840HZ	3840HZ	1920Hz-3840HZ	1920Hz-3840HZ
Gray Level	16bit	14-16bit	14bit	14bit
AC Input Voltage	110-240V ±10%	110-240V ±10%	110-240V ±10%	110-240V ±10%
Power Input Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Brightness Adjustment	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Color Temperature	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable
Operating Temperature	−20℃～60℃	−20℃～60℃	−20℃～60℃	−20℃～60℃
Operating Humidity	10%～90%	10%～90%	10%～90%	10%～90%
Life Span	100000h	100000h	100000h	100000h
MTBF	≥5000h	≥5000h	≥5000h	≥5000h
Blind Spot Rate	<0.0001	<0.0001	<0.0001	<0.0001

Model	P1.2	P1.5	P1.6	P1.8
Pixel Pitch	1.25mm	1.538mm	1.667mm	1.86mm
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixels /㎡	640000/㎡	422750/㎡	359800/㎡	289000/㎡
LED Size	SMD1010	SMD1212	SMD1212	SMD1515
Scanning mode	64-line scanning	52-line scanning	48-line scanning	48-line scanning
Contrast Ratio	8000:01:00	8000:01:00	8000:01:00	8000:01:00
Luminance of White Balance	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡
Average Power Consumption W/㎡	200-250	180-220	150-200	150-200
Max Power Consumption W/㎡	600	550	500	500
Application	Indoor	Indoor	Indoor	Indoor
Module Size/mm	320*160	320*160	320*160	320*160
Module Resolution/Pixel	256*128	208*104	192*91	172*86
Die-cast Aluminum Box Dimension/mm	640*480	640*480	640*480	640*480
Display Resolution of The Box / Pixel	512*384	416*312	384*288	344*258
Weight Kg/㎡	About 22KG	About 22KG	About 22KG	About 22KG
Frame Rate	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Refresh Rate	1920Hz-3840HZ	1920Hz-3840HZ	1920Hz-3840HZ	1920Hz-3840HZ
Gray Level	14bit	14bit	14bit	14bit
AC Input Voltage	110-240V ±10%	110-240V ±10%	110-240V ±10%	110-240V ±10%
Power Input Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Brightness Adjustment	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Color Temperature	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable
Operating Temperature	-20℃～60℃	-20℃～60℃	-20℃～60℃	-20℃～60℃
Operating Humidity	10%～90%	10%～90%	10%～90%	10%～90%
Life Span	100000h	100000h	100000h	100000h
MTBF	≥5000h	≥5000h	≥5000h	≥5000h
Blind Spot Rate	<0.0001	<0.0001	<0.0001	<0.0001

LED SMALL-PITCH SCREEN

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LED conventional screens, due to their relatively larger pixel pitch compared to small pixel pitch screens, are more suitable for places with larger screen areas

LED Indoor Conventional Screen

Application
Suitable for large conference rooms, stage backgrounds, company reception halls, commercial centers, hospitals, etc.

Specification
P2、P2.5、P3、P4

Feature

Ease of maintenance: Due to the elimination of complex control parts in the system maintenance, junior personnel can complete the maintenance work, which reduces the overall maintenance cost.

Cost-effectiveness: The system displays images with realistic and natural colors, achieving the same level of display control effect. This is due to its ability to control the screen with 3840 gray levels.

Modular and structured design: The use of modular structures allows for the adjustment of screen sizes according to needs. This design also simplifies installation and maintenance, increases the visible area, and enhances reliability and stability. It reduces the occurrence of invisible faults in the display screen system.

Display quality: The image is clear, with no pixelation or ghosting. The colors are uniform and the contrast is high. The brightness is strong, resulting in a clear and visible image.

Model	P2		P2.5	P3	P4	
Pixel Pitch	2mm		2.5mm	3mm	4mm	
Pixel Composition	1R1G1B		1R1G1B	1R1G1B	1R1G1B	
Pixels /㎡	250000/㎡		160000/㎡	111111/㎡	62500㎡	
LED Size	SMD1515		SMD2020	SMD2121	SMD2121	
Scanning mode	32/40–line scanning		32–line scanning	32–line scanning	16/40–line scanning	
Contrast Ratio	8000:1		8000:1	8000:1	8000:1	
Luminance of White Balance	≥500cd/㎡		≥500cd/㎡	≥500cd/㎡	≥500cd/㎡	
Average Power Consumption W/㎡	150W–200		150––200	150––180	150––180	
Max Power Consumption W/㎡	500		500	480	480	
Application	Indoor		Indoor	Indoor	Indoor	
Module Size /mm	256*128	320*160	320*160	192*192	256*128	320*160
Module Resolution/Pixel	128*64	160*80	128*64	64*64	64*32	80*40
Box Dimension /mm	512*512	640*480	640*480	576*576		
Display Resolution of The Box / Pixel	512*384		416*312	192*192		
Weight Kg/㎡	About 22KG		About 22KG	About 22KG	About 22KG	
Frame Rate	50/60HZ		50/60HZ	50/60HZ	50/60HZ	
Refresh Rate	1920Hz–3840HZ		1920Hz–3840HZ	1920Hz–3840HZ	1920Hz–3840HZ	
Gray Level	14bit		14bit	14bit	14bit	
AC Input Voltage	110–240V ±10%		110–240V ±10%	110–240V ±10%	110–240V ±10%	
Power Input Frequency	50/60HZ		50/60HZ	50/60HZ	50/60HZ	
Brightness Adjustment	Auto/Manual		Auto/Manual	Auto/Manual	Auto/Manual	
Color Temperature	3200K – 8000K Dimmable		3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable	
Operating Temperature	−20℃～60℃		−20℃～60℃	−20℃～60℃	−20℃～60℃	
Operating Humidity	10%～90%		10%～90%	10%～90%	10%～90%	
Life Span	100000h		100000h	100000h	100000h	
MTBF	≥5000h		≥5000h	≥5000h	≥5000h	
Blind Spot Rate	<0.0001		<0.0001	<0.0001	<0.0001	

The LED flexible screen is thin and lightweight, with high flexibility. It features a magnet design, allowing for easy assembly and disassembly. It has high gray level, high refresh rate, and high contrast. It is independently developed and designed, offering customized products that can be installed on any curved surface.

LED Flexible Screen

Application

Suitable for stage backgrounds, shopping malls, exhibition halls, and indoor conference rooms that require curved surface displays.

Specification

P1.5、P1.6、P1.8、P2、P2.5、P3、P4

Feature

Suitable for various DIY projects: The flexible LED screen can be spliced into curved screens, cylinders, and other curved surfaces according to needs. It is also suitable for various creative combinations and scenarios.

Easy installation and high stability: It uses magnet installation, making it convenient to install and maintain. It also has high safety and stability.

Lightweight: Made of flexible panel, with rubber made cover and bottom shell, making it much lighter compared to traditional LED screen.

Model	P1.5	P1.6	P1.8	P2
Pixel Pitch	1.5625mm	1.667mm	1.86mm	2mm
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixels /㎡	409600/㎡	359800/㎡	289000/㎡	250000/㎡
LED Size	SMD1212	SMD1212	SMD1515	SMD1515
Scanning mode	40–line scanning	36–line scanning	43–line scanning	30–line scanning
Luminance of White Balance	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡
Average Power Consumption W/㎡	180W–220W	150W–200W	150W–200W	150W–200W
Max Power Consumption W/㎡	550W	500W	500W	500W
Application	Indoor	Indoor	Indoor	Indoor
Module Size/mm	250*125	240*120	320*160mm	320*160
Module Resolution/Pixel	160*80	144*72	172*86	160*80
Frame Rate	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Refresh Rate	1920Hz–3840HZ	1920Hz–3840HZ	1920Hz–3840HZ	1920Hz–3840HZ
Gray Level	14bit	14bit	14bit	14bit
AC Input Voltage	110–240V ±10%	110–240V ±10%	110–240V ±10%	110–240V ±10%
Power Input Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Brightness Adjustment	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Color Temperature	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable
Operating Temperature	−20℃～60℃	−20℃～60℃	−20℃～60℃	−20℃～60℃
Operating Humidity	10%～90%	10%～90%	10%～90%	10%～90%
Life Span	100000h	100000h	100000h	100000h
MTBF	≥5000h	≥5000h	≥5000h	≥5000h
Blind Spot Rate	<0.0001	<0.0001	<0.0001	<0.0001

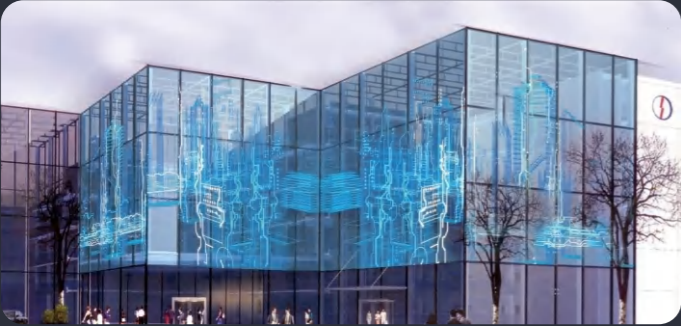| Model	P2.5	P3	P4
Pixel Pitch	2.5mm	3mm	4mm
Pixel Composition	1R1G1B	1R1G1B	1R1G1B
Pixels /㎡	160000/㎡	111111/㎡	62500㎡
LED Size	SMD2020	SMD2121	SMD2121
Scanning mode	24/32–line scanning	24–line scanning	15–line scanning
Luminance of White Balance	≥500cd/㎡	≥500cd/㎡	≥500cd/㎡
Average Power Consumption W/㎡	150W–200W	150W–180W	150W–180W
Max Power Consumption W/㎡	500W	480W	480W
Application	Indoor	Indoor	Indoor
Module Size/mm	320*160	240*120	256*128
Module Resolution/Pixel	128*64	80*40	64*32
Frame Rate	50/60HZ	50/60HZ	50/60HZ
Refresh Rate	1920Hz–3840HZ	1920Hz–3840HZ	1920Hz–3840HZ
Gray Level	14bit	14bit	14bit
AC Input Voltage	110–240V ±10%	110–240V ±10%	110–240V ±10%
Power Input Frequency	50/60HZ	50/60HZ	50/60HZ
Brightness Adjustment	Auto/Manual	Auto/Manual	Auto/Manual
Color Temperature	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 8000K Dimmable
Operating Temperature	−20℃~60℃	−20℃~60℃	−20℃~60℃
Operating Humidity	10%~90%	10%~90%	10%~90%
Life Span	100000h	100000h	100000h
MTBF	≥5000h	≥5000h	≥5000h
Blind Spot Rate	<0.0001	<0.0001	<0.0001

LED FLEXIBLE SCREEN

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LED transparent screen is specifically designed for illuminating glass curtain walls. It has more powerful functions compared to traditional illumination methods. During the day, the LED transparent screen blends seamlessly with the building, while at night, it can display videos, images, text, and other content just like a traditional LED screen. It has the capability to display content on a large area.

LED Transparent screen

Application
Suitable for large-scale square lighting, stage backgrounds, bars, high-end dance halls, city landmarks, airports, hotels, banks, and brand chain stores, among other applications.

Specification
P2.6-5.2、P3.9-7.8、P7.8-7.8、P10.-10

Feature

High transparency: Generally, the transparency of LED transparent screens is above 65% (the weight is generally less than 8kg/sqm, and the screen thickness is 75mm). When viewed from a distance, the presence of LED lamps is almost invisible.

Easy installation: This product can be installed quickly. It does not require a steel structure and can be directly adhered to the glass surface.

Low carbon and energy-saving: It dose not require traditional refrigeration systems and air conditioning for heat dissipation. They also reduce the temperature rise of the glass screen, slow down the LED decay rate, and improve system reliability.

Easy maintenance and operation: It supports front and back maintenance, and individual LED strips can be easily replaced, reducing maintenance costs. The display content can be changed at any time through a network cable, computer, graphics card, or remote transmitter.

Model	P2.6-5.2	P3.9-7.8	P7.8-7.8	P10.-10
Pixel Pitch	horizontal 2.6mm vertical 5.2mm	horizontal 3.9mm vertical 7.8mm	horizontal/vertical 7.8mm	horizontal/vertical 10mm
LED Size	SMD1921	SMD1921	SMD1921	SMD1921
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Welding Method	positive-emissive LED	positive-emissive LED	positive-emissive LED	positive-emissive LED
Pixel Density	73728dot/㎡	32700dot/㎡	16400dot/㎡	9140dot/㎡
Transparency	≥60%	≥62%	≥66%	≥60%
Driving Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
Box Size	1000X500mm*751000X1000mm*75	1000X500mm*751000X1000mm*75	1000X500mm*751000X1000mm*75	1000X500mm*751000X1000mm*75
Box Material	aluminum profile+PC clip	aluminum profile+PC clip	aluminum profile+PC clip	aluminum profile+PC clip
Screen Weight	<8KG/m²	<8KG/m²	<8KG/m²	<8KG/m²
Brightness	1000-3500CD/m²	1000-3500CD/m²	1000-3500CD/m²	1000-3500CD/m²
Refresh Rate	≥3840 Hz	≥3840Hz	≥2880 Hz	≥2880 Hz
Power Supply Cooling Method	self-cooling+aluminum profile	self-cooling+aluminum profile	self-cooling+aluminum profile	self-cooling+aluminum profile
Scanning Mode	8-line scanning	8-line scanning	8-line scanning	4-line scanning
Color Temperature	3200K---8000K	3200K---8000K	3200K---8000K	3200K---8000K
Viewing Angle	horizontal160° vertical140°	horizontal160° vertical140°	horizontal160° vertical140°	horizontal160° vertical140°
Best Viewing Distance	>3m	>4m	>7m	>10m
Gray Level	14bit	14bit	14bit	14bit
Operating Voltage	AC110~ 240V	AC110~ 240V	AC110~ 240V, 50/60Hz	AC110~ 240V, 50/60Hz
Max Power Consumption	800W/m²	800W/m²	800W/m²	600W/m²
Average Power Consumption	240W/pcs	240W/pcs	200W/pcs	200W/pcs
Life Span	100000h	100000h	100000h	100000h
Operating Temperature	0°C~40°C(work) -20°C~60°C(store)	0°C~40°C(work) -20°C~60°C(store)	0°C~40°C(work) -20°C~60°C(store)	0°C~40°C(work) -20°C~60°C(store)
Installation	pendant mounting standing type/fixed type	pendant mounting standing type/fixed type	pendant mounting standing type/fixed type	pendant mounting standing type/fixed type

LED film screen is a type of LED transparent screen that can be installed by sticking. It is a subcategory of LED transparent screens. The positioning of the film screen lies in its strong customization, and it can be understood as a customized product. Film screens can be used in places where traditional transparent screens are difficult to install.

LED Film Screen

Application
It is suitable for building glass curtain walls, city landmarks, high-rise buildings, glass windows of street shops, banks, real estate, car 4S stores, automatic opening and closing doors, etc.

Specification
P4-8、P5-10、P6、P10

Feature

Invisibility: It uses micro-level light-emitting chips and adopts a transparent, high-temperature resistant, anti-static, and waterproof film for solid glue protection.

Slim and lightweight: The module is only 3mm thick and weighs only about 3.5kg per square meter.

Shock-proof and anti-collision: The screen body adopts FPC flexible material, which can be bent and prevent internal component breakage.

High transparency: The transparency of the film screen can reach 85%.

Easy installation: Simply stick the film screen gently and connect it to the power supply and signal.

Model	P4-8	P5-10	P6-6	P10.-10
Pixel Pitch	horizontal 4mm vertical 8mm	horizontal 5mm vertical 10mm	horizontal/vertical 6mm	horizontal/vertical 10mm
LED Size	SMD1921	SMD1921	SMD1921	SMD1921
Pixel Composition	1R1G1B（3in1)	1R1G1B（3in1)	1R1G1B（3in1)	1R1G1B（3in1)
Pixel Density	31250dot/㎡	20000dot/㎡	27777dot/㎡	10000dot/㎡
Transparency	≥70%	≥75%	≥66%	≥60%
Driving Mode	Constant Current Driving	Constant Current Driving	Constant Current Driving	Constant Current Driving
Model Size	960*320mm	960*320mm	960*320mm	960*320mm
Screen Weight	<3.5KG/m²	<3.5KG/m²	<3.5KG/m²	<3.5KG/m²
Brightness	1000-3500CD/m²	1000-3500CD/m²	1000-3500CD/m²	1000-3500CD/m²
Refresh Rate	≥2880 Hz	≥2880 Hz	≥2880 Hz	≥2880 Hz
Power Supply Cooling Method	self-cooling+aluminum profile	self-cooling+aluminum profile	self-cooling+aluminum profile	self-cooling+aluminum profile
Scanning Mode	8-line scanning	8-line scanning	8-line scanning	8-line scanning
Color Temperature	3200K – 8000K	3200K – 8000K	3200K – 8000K	3200K – 8000K
Viewing Angle	horizontal160˚ vertical160˚	horizontal160˚ vertical160˚	horizontal160˚ vertical160˚	horizontal160˚ vertical160˚
Best Viewing Distance	>5m	>5m	>7m	>10m
Gray Level	14bit	14bit	14bit	14bit
Operating Voltage	AC110 ~ 240V	Ac110 ~ 240V	AC110~ 240V, 50/60Hz	AC110~ 240V, 50/60Hz
Max Power Consumption	680W/m²	600W/m²	600W/m²	500W/m²
Average Power Consumption	240W/pcs	240W/pcs	200W/pcs	200W/pcs
Life Span	100000h	100000h	100000h	100000h
Operating Temperature	0˚C~40˚C(work) −20˚C~60˚C(store)	0˚C~40˚C(work) −20˚C~60˚C(store)	0˚C~40˚C(work) −20˚C~60˚C(store)	0˚C~40˚C(work) −20˚C~60˚C(store)

LED Electro–optic glass screen is a transparent LED screen integrated with tempered glass and a substrate (the substrate integrates LED light sources, driver chips, and electrical circuits). It has high display performance, excellent heat dissipation, and unlimited splicing capabilities.

LED Electro-optic Glass Screen

Application
Suitable for building glass curtain walls, dynamic signage, chain store display windows, bus stops, glass walkways, subway entrances and exits, stage design, bars, and etc.
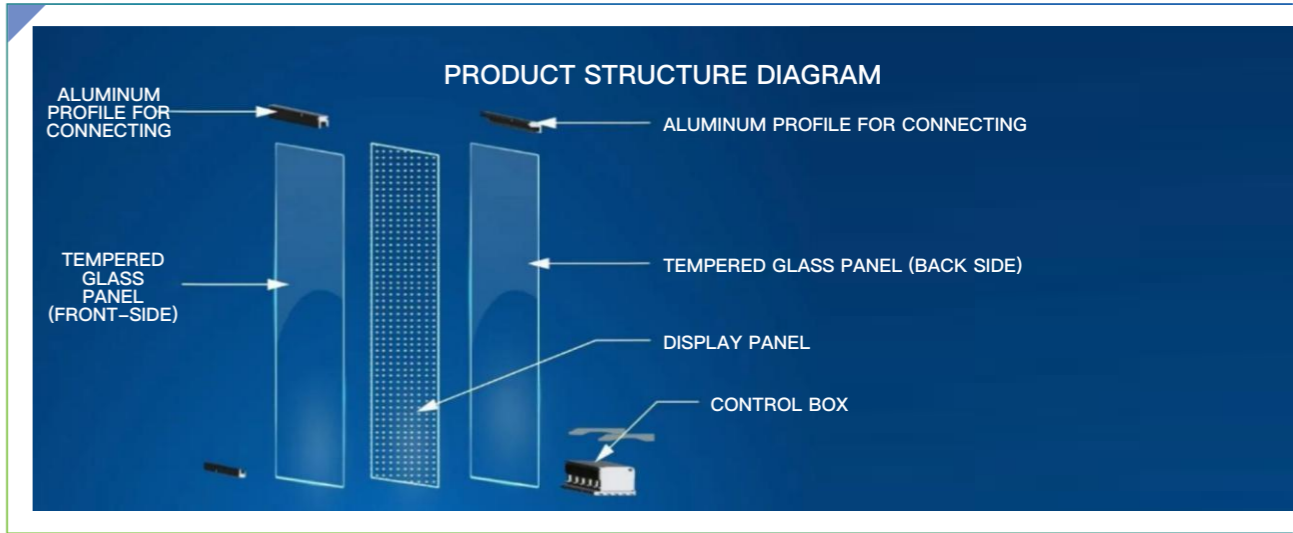
Specification
P5–5、P5–10、P10、P15、P20

Feature

High transparency: It can achieve over 80% transparency without affecting the original building's daylighting.

Suitable for new projects: It can integrate seamlessly with the structure design of subway entrances, underground mall exits, and achieve integration with the architecture without affecting the building's framework and appearance.

High safety: Double–layer tempered glass protection complies with national safety standards.

Customization: Can be customized according to specific scenarios.

Quick installation: Substrate + tempered glass, long lifespan, meets the standards of architectural curtain walls. LED lifespan can reach 50,000 hours.

	Model	M5	M5–10	M10	M15	M20	M25	M30	M40	M50
module spec	Pixel Spec	1515	1515/2121 (support customization according to needs)							
	Pixel Pitch	5	5/10	10/10	15/15	20/20	25/25	30/30	40/40	50/50
	Pixel Density(pcs/㎡)	40000	20000	10000	4444	2500	1600	1111	625	400
	Size Per Unit	≦1400*500*3 (length and width are customizable)								
	Module Resolution	customized								
	LED driving method	integrated lamp driver––static								
	Maintenance	from the back side								
Box Parameter	Box Size	≦2800*1500*20 (support customization)								
	Display Area (㎡)	customized								
	Box Resolution	customized								
	Installation	fixed type								
	Maintenance	from the back side								
	Box Materials	tempered glass+aluminum profiles								
	Box Weight (KG/㎡)	≦58(8+3+8protection) / ≦45 (6+3+6protection)								
	Transparency	≧90%								
	IP Rating	display surface: IP65；control box: customized								
	Signal Connection	8–core connector								

		Model	M5	M5-10	M10	M15	M20	M25	M30	M40	M50
Electrical Parameters	Module	Power Supply (V)	Input：AC100-240, 50-60Hz / Output：DC5V								
		Peak-power (W/m²)	600~1000	600~1000	600~1000	600~900	600~800	≦700	≦550	≦500	≦350
		Average-power (W/m²)	270	270	270	180	120	100	200	80	120
Image Processing		Gray Level (bit)	16								
	Image Frequency	Frame Frequency	50&60								
		Refresh Frequency	>1920-3840								
Optical Parameters		Color Temperature (K)	3000-9600 Dimmable								
		Luminance of White Balance (Nits)	500~4500	500~4500	500~4000	500~4000	500~3500	500~3200	500~3000	500~2500	≦2000
	Display Uniformity	Brightness	≥97%								
		Color	±0.003CM, within Cy								
		Contrast Ratio	3000:1								
	Viewing Angle	Horizontal (°)	160								
		Vertical (°)	160								
		Pixel Center Offset Rate	≤3%								
		Best Visible Distance (m)	5~15	5~15	10~30	15~45	20~60	25~75	30~90	40~120	50~150
Operation Condition		Operating Temperature (℃)	-10~+50								
		Storage Temperature (℃)	-20~+65								
		Operating Humidity (RH)	10~80% frost-free								
		Storage Humidity (RH)	5~85% frost-free								
		Life Span (H)	≥5000								

PRODUCT STRUCTURE DIAGRAM

ALUMINUM PROFILE FOR CONNECTING
ALUMINUM PROFILE FOR CONNECTING
TEMPERED GLASS PANEL (FRONT-SIDE)
TEMPERED GLASS PANEL (BACK SIDE)
DISPLAY PANEL
CONTROL BOX

LED ELECTRO-OPTIC GLASS SCREEN

KINGFUNG

The screen achieves industrialization with high–precision display technology, providing a stronger visual impact and a realistic and natural video display compared to DLP and projection. It has the advantages of easy assembly, easy maintenance, consistency, and strong color reproduction.

LED Outdoor Screen

Application

Suitable for advertising media on the exterior walls of buildings.

Specification
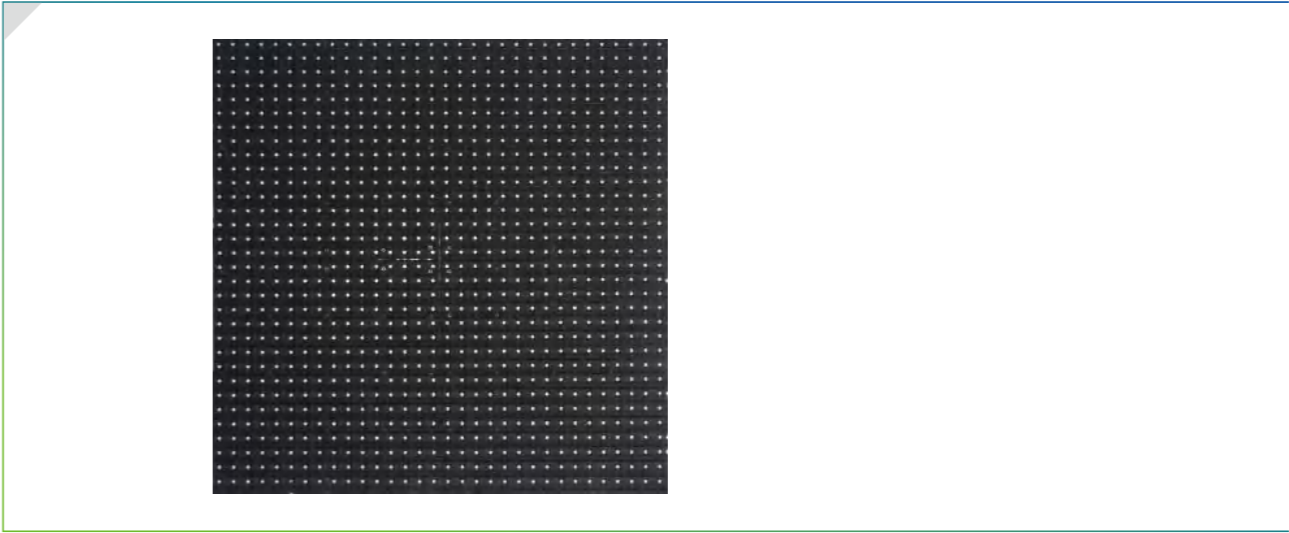
P2.5、P3、P4、P5、P6、P8、P10

Feature

Model	P2.5	P3	P4		P5
Pixel Pitch	2.5mm	3mm	4mm		5mm
Pixel Composition	1R1G1B	1R1G1B	1R1G1B		1R1G1B
Pixels /㎡	160000㎡	111111㎡	62500//㎡		40000/㎡
LED Size	SMD1515	SMD1921	SMD1921		SMD2727
Scanning mode	16–line scanning	16–line scanning	8/10–line scanning		8–line scanning
Contrast Ratio	5000:1	5000:1	5000:1		5000:1
Luminance of White Balance	>5000cd/㎡	>5000cd/㎡	>5000cd/㎡		>5000cd/㎡
Average Power Consumption W/㎡	250–300	250–300	200–250		200–250
Max Power Consumption W/㎡	600	600	500		500
Application	Indoor	Indoor	Indoor		Indoor
Module Size/mm	320*160	192*192	256*128	320*160	320*160
Module Resolution/Pixel	128*64	64*64	64*32	80*40	64*32
Box Size	Customized	Customized	Customized		Customized
Box Material	iron box	iron box	iron box		iron box
Weight Kg/㎡	About35KG	About35KG	About35KG		About35KG
Frame Rate	50/60HZ	50/60HZ	50/60HZ		50/60HZ
Refresh Rate	1920Hz–3840HZ	1920Hz–3840HZ	1920Hz–3840HZ		1920Hz–3840HZ
Gray Level	14bit	14bit	14bit		14bit
AC Input Voltage	110–240V ±10%	110–240V ±10%	110–240V ±10%		110–240V ±10%
Power Input Frequency	50/60HZ	50/60HZ	50/60HZ		50/60HZ
Brightness adjustment	Auto/Manual	Auto/Manual	Auto/Manual		Auto/Manual
Color Temperature	3200K – 8000K Dimmable	3200K – 8000K Dimmable	3200K – 89000K Dimmable		3200K – 8000K Dimmable
Operating Temperature	−20℃～60℃	−20℃～60℃	−20℃～60℃		−20℃～60℃
Operating Humidity	10%～90%	10%～90%	10%～90%		10%～90%
Life Span	100000h	100000h	100000h		100000h
MTBF	≥5000h	≥5000h	≥5000h		≥5000h
Blind Spot Rate	<0.0001	<0.0001	<0.0001		<0.0001

Easy maintenance: The system maintenance is simplified, enabling junior personnel to complete the maintenance work, reducing overall maintenance costs.

High reliability: The integrated chip technology of lamp driving and control is several times more stable than separate lamp driving components, making the system control part more reliable.

High stability and safety: Outdoor LED screens undergo rigorous tests such as sunlight exposure, rain, temperature variations, UV rays, earthquake resistance, and typhoons. Therefore, the production process is relatively complex to ensure the stability and safety of outdoor LED screens.

Model	P6	P8		P10	P3.076
Pixel Pitch	6mm	8mm		10mm	3.076mm
Pixel Composition	1R1G1B	1R1G1B		1R1G1B	1R1G1B
Pixels /㎡	27777㎡	15625㎡		10000/㎡	105600/㎡
LED Size	SMD3535	SMD3535		SMD3535	SMD1921
Scanning mode	4–line scanning	4/5–line scanning		2–line scanning	4–line scanning
Contrast Ratio	5000:1	5000:1		5000:1	5000:1
Luminance of White Balance	>5000cd/㎡	>5000cd/㎡		>5000cd/㎡	>5000cd/㎡
Average Power Consumption W/㎡	200–250	180–220		150–200	250–300
Max Power Consumption W/㎡	500	500		500	600
Application	Indoor	Indoor		Indoor	Indoor
Module Size/mm	192*192	256*128	320*160	320*160	320*160
Module Resolution/Pixel	32*32	32*16	40*20	32*16	104*52
Box Size	Customized	Customized		Customized	Customized
Box Material	iron box	iron box		iron box	iron box
Weight Kg/㎡	About35KG	About35KG		About35KG	About35KG
Frame Rate	50/60HZ	50/60HZ		50/60HZ	50/60HZ
Refresh Rate	1920Hz–3840HZ	1920Hz–3840HZ		1920Hz–3840HZ	1920Hz–3840HZ
Gray Level	14bit	14bit		14bit	14bit
AC Input Voltage	110–240V ±10%	110–240V ±10%		110–240V ±10%	110–240V ±10%
Power Input Frequency	50/60HZ	50/60HZ		50/60HZ	50/60HZ
Brightness adjustment	Auto/Manual	Auto/Manual		Auto/Manual	Auto/Manual
Color Temperature	3200K – 8000K Dimmable	3200K – 8000K Dimmable		3200K – 8000K Dimmable	3200K – 8000K Dimmable
Operating Temperature	–20℃～60℃	–20℃～60℃		–20℃～60℃	–20℃～60℃
Operating Humidity	10%～90%	10%～90%		10%～90%	10%～90%
Life Span	100000h	100000h		100000h	100000h
MTBF	≥5000h	≥5000h		≥5000h	≥5000h
Blind Spot Rate	<0.0001	<0.0001		<0.0001	<0.0001

LED
OUTDOOR SCREEN

KINGFUNG

Project

Project