



Creation leads colorful life

www.kszled.com

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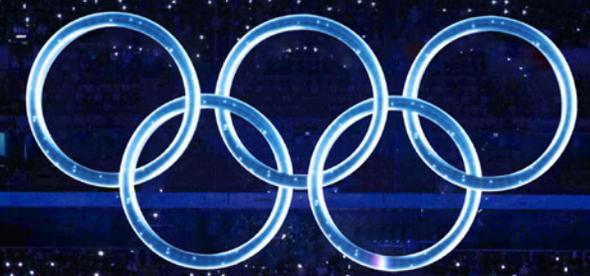
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The Leader of Creative LED Display

Shenzhen Apexls Optoelectronic Co.,Ltd.



**Led Display
Manufacturer**

www.kszled.com

About us



Shenzhen Apexls Optoelectronic Co.,Ltd (www.kszled.com),the leader of creative LED display,a subsidiary company of Ledman Group, was registered in 2009 with the capital ¥23,142,900.00 . Apexls industrial park is located in Bao'an District, 20mins away by car from Shenzhen International Airport. The Apexls campus consists of a 36,000m² workshop and a 12,000m² dormitory that houses over 300 employees.

Nowadays, Apexls LED display products have been sold to over 80 countries and regions, such as USA, Canada, Mexico, Spain, Croatia, Bulgaria, Romania, Poland, Germany, Italy, Austria, Korea, Japan, Hong Kong, Macau, etc. Apexls has designed and produced LED display products like Sphere LED display, dome LED display, Triangle LED display, Flexible LED display, Can shaped LED display, Christmas tree shaped LED display, Logo LED display, Curtain LED display and so on, highly approved by clients from domestic and overseas. Strict raw material selection , advanced workman-ship process, strict quality checking procedures ensure Apexls' products with high stability and high reliability. Apexls has signed distributors in Canada for sports field, Outdoor Billboard field, Dome LED field in Japan, Flexible LED field in Germany, and will sign more and more distributors in other LED screen areas.

Apexls always focuses on the markets' needs, providing the professional solutions, products and services to meet the requests and demands from end users. Value participated, Innovation, Integrity, sharing and mutual benefits are the core values of Apexls, which intensely drive Apexls to become a world-class LED display solution-provider.

Certificates

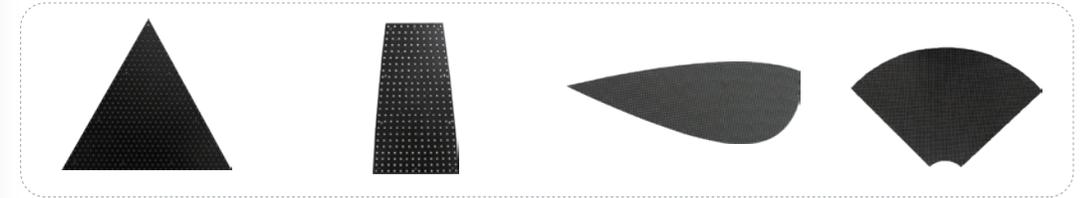


Patent Copyright 90+



KC Series Creative LED Displays

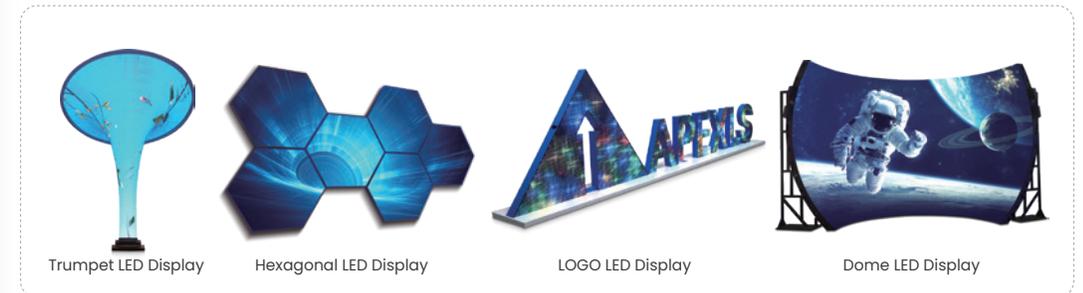
Creative Module Shapes



Creative Cabinet Shapes



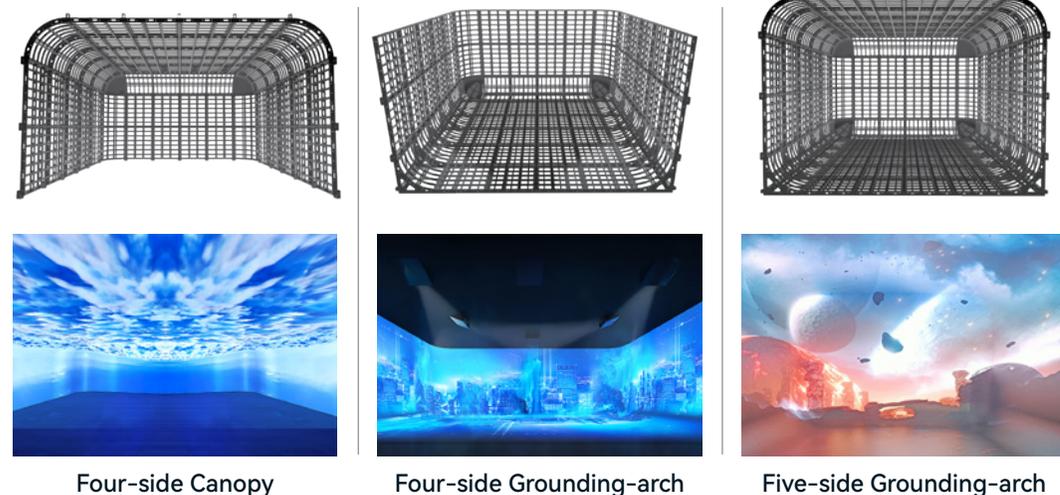
Creative LED Displays (customizable as needed)



Immersive Concave-theater Solution



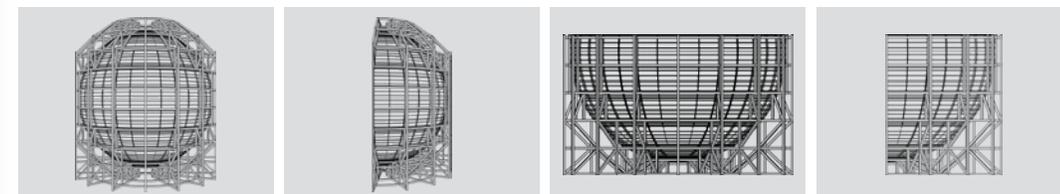
Multi-modal Shapes



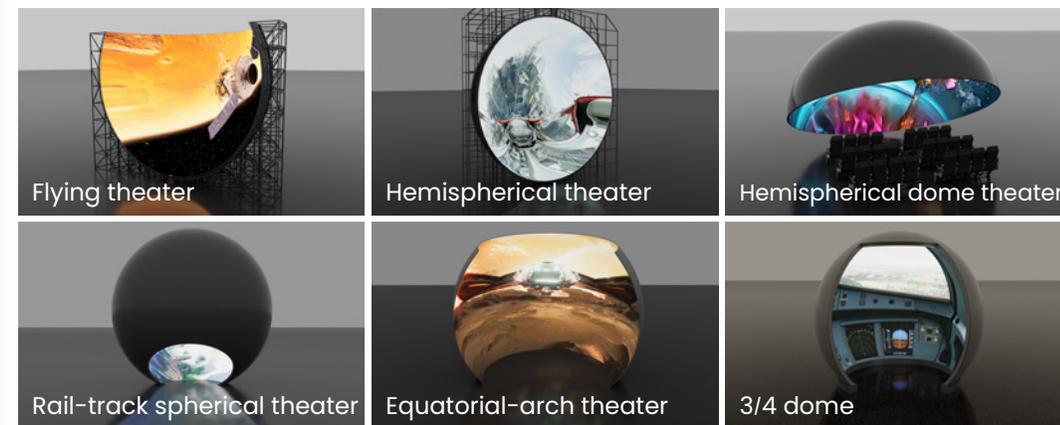
Applications areas



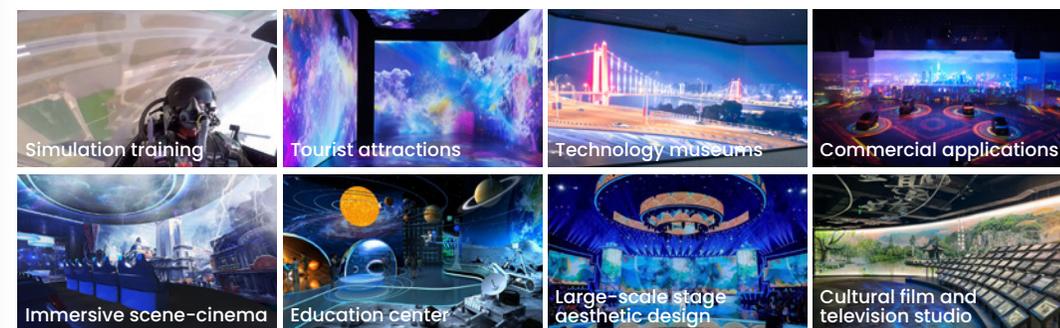
Spherical Inner-theater Screens



Multi-modal Shapes



Applications areas



KS Series Sphere LED Display



Size customized
Customizable pixel pitch and diameter



Hollow aluminum structural design
Weight reduction design



Multiple installation methods
Support floor installation, hoisting embedded installation, etc



360 degree view angle
High impact visual, good eye-catching



Seamless assembly
Customized PCB design with seamless splicing



Over 14 Years' Mass Production Experience of LED Sphere
Get Record of " the Inventor of LED Sphere Screen" in 2012
Get Invention Patent of LED Sphere Screen in 2012



Applications areas

Applications: Museums, Planetariums, Science and technology museums, Children's palaces, Exhibition halls, Gymnasiums, Waiting halls, Hotels, Large open-air places, Railway stations, Ports, Shopping malls, Bars, etc.

Product parameters

Indoor					
Model	P1.87	P2	P2.5	P3	P4
Mass Production size (φ/m)	1.5	1.2, 1.5, 1.6, 2	1, 1.5, 2	1.2, 1.5, 1.6 1.8, 2, 2.6, 3	1, 1.5, 1.8, 2.2, 2.5 3, 4, 5, 7.5, 8.25
LED Type	SMD1212	SMD1212/1515	SMD1515	SMD1515	SMD2121
Pixel Density(dots/m ²)	284,445	250,000	160,000	111,111	62,500
Brightness(cd/m ²)	1,000	1,000	1,000	1,000	1,200
Ave. Power(W/m ²)	150	150	150	150	200
Max. Power(W/m ²)	450	450	450	450	450
Refresh Rate(Hz)	1,920-3,840				
Gray Scale	12-16 bit				
Outdoor					
Model	P4.8	P5	P6	P8	P10
Mass Production size (φ/m)	2, 4	2.5	2, 3	5	2, 4, 6, 8, 11
LED Type	SMD1921	SMD1921	SMD1921	SMD2727	SMD3535
Pixel Density(dots/m ²)	43,402	40,000	27,777	15,625	10,000
Brightness(cd/m ²)	5,000	5,000	5,000	5,000	5,500
Ave. Power(W/m ²)	350	350	350	350	430
Max. Power(W/m ²)	800	800	800	800	870
Refresh Rate(Hz)	1,920-3,840				
Gray Scale	12-16 bit				

KC Series Dome LED Display

4D

Realistic immersive 4D experience
The audience is surrounded, and led dome screen is like the sky



Good three-dimensional effect
Stereo surround creates an immersive overall effect



One picture, truly seamless
Using uniform point extraction technology for truly seamless docking



Efficient and stable
The LED inner dome screen adopts top-notch lamp beads



High gray, high contrast
Unmatched color intensity, brightness and contrast



Custom radius and shapes
Domes and Spheres at various sizes



Applications areas

Museums, Science and technology museums, Planetariums, Children's palaces, Exhibition halls, Themed activities, Events, Theaters, etc.

Product parameters

Model	P1.45	P1.87	P2	P4
Pixel Pitch(mm)	1.45	1.875	2	4
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Type	SMD1010	SMD1212	SMD1212	SMD1515
Pixel Density(dots/m ²)	475,624	284,444	250,000	62,500
Scanning Method	1/35	1/32	1/32	1/16
Brightness (cd/m ²)	300	800-1000	800-1000	800
Power Avg.(W/m ²)	140	150-200	150-200	150-200
Power Max.(W/m ²)	300	600	600	600
Refresh Rate (Hz)	3840	3840	3840	3840
Gray Scale(bit)	16	12-16	12-16	12-16
Arc Center Angle	Custom radius and shape			
Cabinet Weight (kg/pc)	5	40	40	50
Gross Weight(kg/m ²)	60			
Continuous Use Time	72 (hrs)			
Gray Scale(bit)	12 ~ 16			
Input Voltage	AC100-240V/50-60Hz			
Working Temperature	-20 C ~ 60 C			
Life Span	100,000 hours			
Mtbf	>100,000 hours			
Certification	CE, ETL, FCC, RoHS			

KR Series XR Virtual Production Display



The installation features

Freely angle adjustable: ±2.3° | ±2.8° | ±3.8° | ±5.8° (Angle customizable)



High power efficiency

Built-in radiator
Industrial power systematic structure design



The maintenance feature

Easy front & rear installation and maintenance with magnetic accessories and fast lock



Excellent visual effects

Ultra high refresh rate: up to 7680Hz
High gray scale: up to 16bits



The protection features

Buffer protection design for cabinet corners, greatly reduced the damage of the LEDs



Common-cathoded solution

Provide common-cathoded solution
split power supply solution for less heat



500x500x68mm

Applications areas

Film shooting, Advertisement shooting, TV station, Studio, Live broadcast, Online press conference.

Product parameters

xR	Back ground panel			Ceiling display			Floor display		
Model	P1.9	P2.3	P2.6	P2.9	P3.9	P4.8	P3.9	P4.8	P5.9
LED	SMD1212	SMD1515	SMD1515	3in1 SMD	3in1 SMD	3in1 SMD	3in1 SMD	3in1 SMD	3in1 SMD
Density(dots/m ²)	262,144	186,624	147,456	112,896	65,536	43,264	65,536	43,264	28,224
Brightness(nits)	1,200			3,000			1,500		
Refresh Rate(Hz)	7,680			3840-7680			7,680		
Module Size(mm)	250x250	250x250	250x250	250x250	250x250	250x250	250x250	250x250	250x250
Module Resolution(dots)	128x128	108x108	96x96	84x84	64x64	52x52	64x64	52x52	42x42
Panel Size(mm)	500x500	500x500	500x500	500x500	500x500	500x500	500x500	500x500	500x500
Panel Resolution(dots)	256x256	216x216	192x192	168x168	128x128	104x104	128x128	104x104	84x84
Ave. Power(W/m ²)	200			286			267		
Max. Power(W/m ²)	600			570-620			570-620		
Panel Weight(kg/pcs)	8.5			8.5			10.5		
IP Degree	Indoor			Indoor			IP65		
Installation Way	Stand / hanging			hanging			Guide rail tiled way		
Service Type	Front / Rear			Front / Rear			Front		
Arc Degree Range	Inner arc 6°-Outer arc 6°			/			/		
Working Temperature	-20 C ~60 C								
Life Span	100,000 hours								
Mtbf	>100,000 hours								
Certification	CE, ETL, FCC, RoHS								

KV Series Rental LED display



Freely angle adjustable

±2.3° | ±2.8° | ±3.8° | ±5.8° (Angle customizable)



Front & Rear service

Module front and rear service, suitable for various installation environments



Fast lock design

High strength fast lock design, durable and fast disassemble & disassemble



Simplistic frame design, light weight

Cabinet thickness: 68mm
Equipped with a "reliable" hardware backup



A variety of installation ways

KV series support hoisting and stacking



Compatible for floor tile display design

Anti-knock design, compatible for floor LED screen usage.



500x500x68mm

Applications areas

It can be widely used in concerts, TV shows, Large-scale entertainment programs, Commercial exhibitions, etc.

Product parameters

Model	P1.2	P1.5	P1.9	P2.5	P2.9	P3.91
Pixel Pitch(mm)	1.25	1.56	1.953	2.5	2.976	3.906
LED Type	SMD1010	SMD1212	SMD1515	SMD2020	SMD2020	SMD2020
Pixel Density(dots/m ²)	640,000	409,600	262,178	160,000	112,910	65,536
Module Size (mm)	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250
Module Resolution (dots)	200 x 200	160 x 160	128 x 128	100 x 100	84 x 84	64 x 64
Cabinet Size(mm)	500x500x68	500x500x68	500x500x68	500x500x68	500x500x66	500x500x66
Cabinet Resolution(dots)	400x400	320x320	256x256	200x200	168x168	128x128
Cabinet Weight(kg/m ²)	8.0	8.0	8.0	8.0	8.0	8.0
Brightness(cd/m ²)	800	800	800	1000	1000	1000
Maintenance Mode	Front/Rear Maintenance					
Cabinet Material	Die-casting Aluminum					
Refresh Rate (Hz)	≥3840					
Ave. Power(W/m ²)	156-328					
Max. Power(W/m ²)	570-820					
Protection Rating(front/rear)	IP40					
Gray Scale(bit)	12 ~ 16					
Input Voltage	AC100-240V/50-60Hz					
Working Temperature	-20 C ~60 C					
Life Span	100,000 hours					
Mtbf	>100,000 hours					
Certification	CE, ETL, FCC, RoHS					

KD Series Rental LED display



Cabinet appearance modeling
Can be pieced at right angles, curved in shape



Front & Rear service
Module front and rear service, suitable for various installation environments



Fast lock design
High strength fast lock design, durable and fast assemble & disassemble



Simplistic frame design, light weight
Cabinet thickness: 90mm
Equipped with a "reliable" hardware backup



A variety of installation ways
KD series support hoisting and fixed installation, help customers save labor costs and material costs.



Modular Design, easy to maintain
KD rental series LED display adopted modular design, Convenient module & PSUs maintenance.



500x1000x90mm

500x500x90mm

Applications areas

It can be widely used in concerts, TV shows, Large-scale entertainment programs, Commercial exhibitions, etc.

Product parameters

Operating environment	Indoor				Outdoor		
	P1.95	P2.6	P2.97	P3.91	P2.6	P3.91	P4.81
Model	P1.95	P2.6	P2.97	P3.91	P2.6	P3.91	P4.81
Pixel Pitch(mm)	1.953	2.604	2.976	3.91	2.604	3.91	4.81
Pixel Density(dots/m ²)	262,174	147,475	112,896	65,536	112,896	65,536	43,264
Scanning Method	1/32	1/32	1/28	1/16	1/21	1/16	1/13
LED type	SMD1515	SMD2121	SMD2121	SMD2020	SMD1415	SMD1921	SMD1921
Module Size (mm)	250x250	250x250	250x250	250x250	250x250	250x250	250x250
Module Resolution (dots)	128x128	96x96	84x84	64x64	84x84	64x64	52x52
Cabinet Size(mm)	500x500x90	500x500x90	500x500x90	500x1000x90	500x500x90	500x1000x90	500x1000x90
Cabinet Resolution(dots)	256x256	192x192	168x168	128x256	168x168	128x256	104x208
Cabinet Weight(kg/m ²)	7.5	10	6.88	10	6.5	15	15
Cabinet Material	Die-casting aluminium						
Maintenance Mode	Front/Rear						
Brightness(cd/m ²)	650	700	800	750	4000	3400	3500
Refresh Rate (Hz)	1920-3840	1920-3840	1920-3840	1920-3840	1920-3840	1920-3840	1920-3840
Gray Scale(bit)	13-16	13-16	13-16	13-16	13-16	13-16	13-16
Ave. Power(W/m ²)	560	480	400	480	640	640	640
Max. Power(W/m ²)	800	800	800	800	800	800	800

KF Series Flexible Module



Flexible Module+GOB
Glue on board treatment can be applied to flexible modules, GOB module surface is moisture-proof, dustproof and anti-collision



Soft
Equipped with flexible & high temperature resistant FPC PCB, bending resistant silicone bracket, embedded magnet pieces



Simple & Moldable
Every flexible module has several magnetic columns with quick butt-joint signal and electricity wires



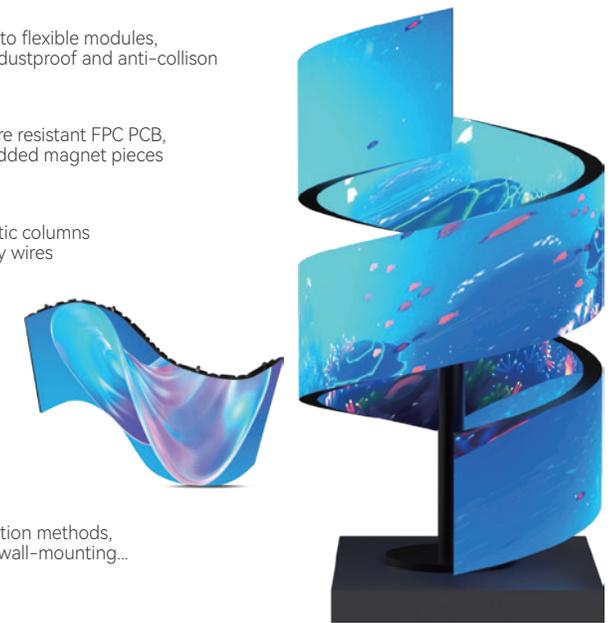
Slim & Graceful
Thickness of single module ≤4mm, weight ≤ 260g, splicing error ± 0.1 mm



High contrast, high refresh
High contrast, high gray, high refresh, dot-to-dot correction guarantee



Simple installation
Seamless spliced and suitable for installation methods, such as hoisting, seating, embedding or wall-mounting...



Applications areas

Science and technology museums, Planetariums, Children's palaces, Exhibition halls, Gymnasiums, Railway stations, Shopping malls, Bars, etc.

Product parameters

Model	P1.25	P1.56	P1.86	P2	P2.5	P3	P4
Pixel Pitch(mm)	1.25	1.568	1.86	2	2.5	3.076	4
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Type	SMD1010	SMD1212	SMD1212	SMD1515	SMD1515/2121	SMD1515/2121	SMD2121
Pixel Density(dots/m ²)	640,000	406,406	288,906	250,000	160,000	105,625	62,500
Module Size(mm)	320X160	320X160	320X160	320X160	320X160	320X160	320X160
Module Resolution(dots)	256x128	204x102	172x86	160x80	128x64	104x52	80x40
Refresh Rate(Hz)	3,840	3,840	3,840	3,840	3,840	3,840	3,840
Brightness(cd/m ²)	650-800	650-800	650-800	650-800	650-800	650-800	650-800
Ave. Power(W/m ²)	165	165	150	150	150	150	150
Max. Power(W/m ²)	550	550	550	550	550	550	550
Model	P1.25	P1.57	P1.87	P2	P2.5	P3	P4
Pixel Pitch(mm)	1.25	1.579	1.875	2	2.5	3	4
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Type	SMD1010	SMD1212	SMD1515	SMD1515	SMD1515/2121	SMD1515/2121	SMD2121
Pixel Density(dots/m ²)	640,000	401,135	284,444	250,000	160,000	111,111	62,500
Module Size (mm)	240X120	240X120	240X120	240X120	240X120	240X120	240X120
Module Resolution(dots)	192X96	152X76	128X64	120x60	96X48	80X40	60X30
Refresh Rate (Hz)	3,840	3,840	3,840	3,840	3,840	3,840	3,840
Brightness(cd/m ²)	600	600-800	600-800	600-800	800-1,000	800-1,000	800-1,000
Ave. Power(W/m ²)	210	210	200	200	180	175	160
Max. Power(W/m ²)	700	700	680	680	600	600	560

KL Series Indoor LED Display



Thinner
Cabinets thickness: 43mm
Have a "reliable" hardware backup method



500x250x43mm



Spliceable right angle
Can be assembled at right angles



750x250x43mm



Maximum 22° concave
A smooth arc can be achieved through the standard Cabinets + angle block + customized inner arc kit



Front service
Complete front maintenance, no need to reserve maintenance channel behind



Multiple size cabinets
Die-cast aluminum frame, no deformation
Multi-size Cabinets meet various installation demand



1000x250x43mm



GOB module
GOB module, can achieve front waterproof and anti-collision

Applications areas

Widely used in conference rooms, Hotels, Shopping malls, Dispatching rooms, Monitoring rooms, Stage backgrounds, Studios and other indoor places.

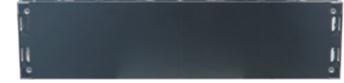
Product parameters

Model	P1.2	P1.5	P1.9	P2.5	P2.9	P3.9
Pixel Pitch(mm)	1.25	1.56	1.953	2.5	2.976	3.906
Pixel Density(dots/m ²)	640,000	409,600	262,178	160,000	112,910	65,536
LED Type	SMDI1010	SMDI212	SMDI515	SMD2020	SMD2020	SMD2020
Module Size (mm)	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250
Module Resolution (dots)	200 x 200	160 x 160	128 x 128	100 x 100	84 x 84	64 x 64
Cabinet Size(mm)	1000 x 250 / 750 x 250 / 500 x 250 (43mm thickness)					
Cabinet Weight(kg/cabinet)	1000x250mm 6kg / 750x250mm 5.1kg / 500x250mm / 3.5kg					
Cabinet Material	Die-casting aluminium					
Service	Front service					
Brightness(cd/m ²)	600-800	600-800	600-800	800-1100	800-1100	800-1100
Refresh Rate (Hz)	1920-3840	1920-3840	1920-3840	1920-3840	1920-3840	1920-3840
Gray Scale (bit)	14-16	14-16	14-16	14-16	14-16	14-16
Ave. Power(W/m ²)	267	267	267	267	267	267
Max. Power(W/m ²)	570-620	570-620	570-620	570-620	570-620	570-620
Input Voltage	AC100-240V/50-60Hz					
Working Temperature	-20℃~60℃					
Life Span	100,000 hours					
Mtbf	>100,000 hours					
Certification	CE, ETL, FCC, RoHS					

KI Series Indoor LED Display



Thinner
Adopting a lightweight design
the outer shell is thin and lightweight



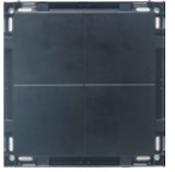
1000x250x43mm



Excellent heat dissipation
The die-cast cabinet has
excellent heat dissipation



1000x500x43mm



500x500x43mm



A variety of installation methods
A variety of installation methods,
can be fixed, hoisted, wall mounted



Front service
Support front assembly/maintenance



Multiple size cabinets
Die-cast aluminum frame, no deformation,
Multi-size boxes meet various installation sites



640x640x63mm

320x640x63mm

640x480x63mm

320x480x63mm



GOB module
GOB module, can achieve front waterproof and anti-collision

Applications areas

Widely used in conference rooms, Hotels, Shopping malls, Dispatching rooms, Monitoring rooms, Stage backgrounds, Studios and Other indoor places.

Product parameters

Model	P1.2	P1.5	P1.9	P2.9	P3.9	P1.2	P1.8	P2	P2.5
Pixel Pitch(mm)	1.25	1.56	1.9	2.9	3.9	1.25	1.8	2	2.5
Pixel Density(dots/m ²)	640,000	409,600	262,178	112,910	65,536	640,000	289,050	250,000	160,000
Scan	1/40	1/40	1/32	1/21	1/16	1/43	1/43	1/40	1/25
LED Config	SMDI1010	SMDI212	SMDI515	SMD2020	SMD2020	SMDI1010	SMDI515	SMDI515	SMD2020
Module Size (mm)	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250	320 x 160	320 x 160	320 x 160	320 x 160
Module Resolution(pixels)	200x200	160 x 160	128 x 128	84 x 84	64 x 64	256 x 128	172 x 86	160 x 80	128x64
Cabinet Size(mm)	1000x500/750x250/500x500 (43mm thickness)					640x640/640x480/320x640/320x480 (63mm thickness)			
Cabinet Weight	5.8kg / 3.5kg / 3.5kg					22kg/m ²			
Cabinet Material	Die-casting aluminium					Die-casting aluminium			
Service	Front service					Front service			
Brightness(nits)	600-800	600-800	600-800	800-1100	800-1100	450-600	450-700	600-1,000	700-1,000
Refresh Rate (Hz)	3840	3840	1920-3840	1920-3840	1920-3840	3840	3840	3840	3840
Gray Scale(bit)	14-16	14-16	14-16	14-16	14-16	14-16	14-16	14-16	14-16
Ave. Power(W/m ²)	267	267	267	267	267	230	230	230	210
Max. Power(W/m ²)	570-620	570-620	570-620	570-620	570-620	680	680	680	630
Input Voltage	AC100-240V/50-60Hz								
Working Temperature	-20℃~60℃								
Life Span	100,000 hours								
Mtbf	>100,000 hours								
Certificate	CE, ETL, FCC, RoHS								

LC Series COB Micro LED Display



Film encapsulation

Ultra-thin multifunctional composite optical packaging solution



Flip-chip and common cathode

Reduce the overall drive power consumption more than the common anode design



Lower energy consumption

Reduce power consumption by more than 10% and temperature by more than 5 °C



High protection

Front IP65 waterproof, dustproof, moisture-proof, anti-static, anti-scratch



Curved splice

Internal arc splicing, multi-angle compatibility Support arc splicing projects within 2°



Seamlessness

High level of flatness and seamless



600x337.5x29mm

Applications areas

Monitoring center, Conference room, Audio-visual center, Enterprise show room, Exhibition hall, Brand chain store, Commercial center, Lecture hall, Broadcasting center, Cinema, Automotive 4S store.

Product parameters

Model	P0.93	P1.25	P1.56
Pixel Pitch(mm)	0.9375	1.25	1.5625
Module Resolution(dots)	160x120	120x135	96x108
Module Size(mm)	150x112.5	150x168.75	168.7x149.95
Module Layout(pcs)	4x3	4x2	4x2
Cabinet Size(mm)	600x337.5x29	600x337.5x29	600x337.5x29
Pixel Density(dots/m ²)	1,137,777	640,000	409,600
Seam(mm)	≥0.15	≥0.15	≥0.15
Maintenance	Front	Front	Front
Brightness(nits)	1000(peak)500(Typ.)	800(peak)500(Typ.)	800(peak)500(Typ.)
Brightness Uniformity	97%	97%	97%
Dark Contrast	1000000: 1	1000000: 1	1000000: 1
Color Gamut	NTSC 110%	NTSC 110%	NTSC 110%
Refresh Rate(Hz)	3840	3840	3840
Max. Power(W/m ² at 500nit)	320	320	230
Gray Scale(bit)	12 ~ 16		
Input Voltage	AC100~240V/50~60Hz		
Working Temperature	-20 C ~60 C		
Life Span	100,000 hours		
Mtbf	>100,000 hours		
Certification	CE, ETL, FCC, RoHS		

LM Series Fine Pixel Pitch



High refresh

Fast refresh, Improve visual comfort



Intelligent brightness adjustment

Intelligent brightness adjustment Automatically adapt to the environment



Dot-by-dot correction

Dot-by-dot correction Uniform brightness and chromaticity



Seamlessness

Seamless assembly HD display



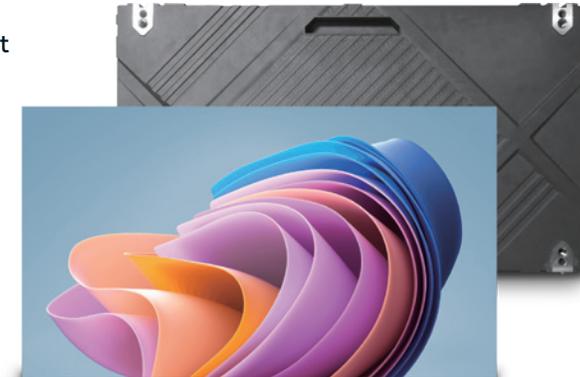
High gray scale

Low brightness, High gray scale Lossless technology



Noise-free

Low radiation Noise-free



600x337.5x28mm

Applications areas

Monitoring center, Conference room, Audio-visual center, Enterprise show room, Exhibition hall, Brand chain store, Commercial center, Lecture hall, Broadcasting center, Cinema, Automotive 4S store.

Product parameters

Model	P0.9	P1.25	P1.56	P1.87
Pixel Pitch(mm)	0.93	1.25	1.56	1.875
LED Configuration	4in1	1R1G1B	1R1G1B	1R1G1B
LED Type	mini led	SMD1010	SMD1010	SMD1515
Pixel Density(dots/m ²)	1,137,777	640,000	409,600	284,444
Cabinet Size(mm)	600x337.5	600x337.5	600x337.5	600x337.5
Cabinet Resolution(dots)	640x360	480x270	384x216	320x180
Module Size(mm)	300x168.75	300x337.5	300x337.5	300x337.5
Module Resolution(dots)	320x180	240x270	192x216	160x180
Cabinet Material	Die-casting aluminum			
Cabinet Weight(kg)	4.5	4.5	4.5	4.5
Brightness(cd//m ²)	450	550	550	550
Power Max./Avg.(W/m ²)	650/220	500/150	500/150	500/150
Refresh Rate(Hz)	1920~3840			
Gray Scale(bit)	12 ~ 16			
Input Voltage	AC100~240V/50~60Hz			
Working Temperature	-20 C ~60 C			
Installation/Maintenance	Front/Rear			
Life Span	100,000 hours			
Mtbf	>100,000 hours			
Certification	CE, ETL, FCC, RoHS			

KPS Series Outdoor LED Display



Better heat dissipation

Aluminum module shell makes better heat dissipation



High reliability

Excellent visual performance with high refresh rate



Better Waterproof Ability

The module adopts fully enclosed module shell design with waterproof plug to achieve higher waterproof ability



Ultra-thin and Light

320x320mm LED module + iron cabinet ≈34.5kg/m²
250x250mm LED module + iron cabinet ≈ 40kg/m²



Smart Maintenance Method

Front maintenance by fast lock



Seamless

Seamless connection uniform color provide a unique visual experience with cool effects



320x320mm



960x960x80mm



1000x1000x80mm



250 x 250mm

Applications areas

Application: Outdoor billboards, Shopping mall, Commercial complex, Parking area, Theme parks, Sports stadium, Playgrounds, Entertainment venue facades, etc.

Product parameters

Model	P6.67	P8	P10	P2.97	P3.91	P4.81	P5.2
Pixel Pitch(mm)	6.67	8	10	2.976	3.91	4.81	5.2
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Type	SMD2727	SMD2727	SMD2727	SMD1415	SMD1921	SMD1921	SMD2727
Pixel Density(dots/m ²)	22,477	15,625	10,000	112,896	65,536	43,264	36,869
Cabinet Size(mm)	960x960	960x960	960x960	1,000x1,000	1,000x1,000	1,000x1,000	1,000x1,000
Cabinet Resolution(dots)	144x144	120x120	96x96	336x336	256x256	208x208	192x192
Module Size(mm)	320x320	320x320	320x320	250x250	250x250	250x250	250x250
Module Resolution(dots)	48x48	40x40	32x32	84x84	64x64	52x52	48x48
Cabinet Material	Aluminum / Iron			Iron / Aluminum			
Cabinet Weight(kg)	34.5kg for 960×960mm(iron)			40kg for 1000×1000mm (iron)			
Brightness(cd/m ²)	6,000	6,000	6,000	5,000	6,000	5,000	5,500
Avg.Power(W/m ²)	300	300	300	350	300	280	280
Max.Power(W/m ²)	650-720	650-720	650-720	1050	900	800	800
Refresh Rate(Hz)	1920-3840						
Gray Scale(bit)	12 ~ 16						
Installation/Maintenance	Front / Rear						
Working Temperature	-20 C ~60 C						
Life Span	100,000 hours						
Mtbf	>100,000 hours						
Certification	CE, ETL, FCC, RoHS						

KAH Series Outdoor LED Display



Super High-brightness and Energy-saving Technology

Common-cathode LED design can save at least 30% power consumption comparing with conventional 5V Led screens. Applying selected-chip can meet ≥10,000nits.



Ultra-thin and Light-weight Cabinet Design

Apply Die-casting Aluminum Profile type cabinet



Super-large size and Wireless-module Design

Apply super size and wireless module design, elegant appearance, for fast assembly and dismantle purpose.



Good Heat-dissipation and Long Life-span

Die-casting aluminum profile type cabinet and modular design can accelerate heat dissipation and improve the screen's lifespan significantly.



Smart Front & Rear Maintenance Design

Both Modules and PSU's Front-rear service design can meet any project-site needs, and save some extra maintenance costs if any.



High Protection from Artificial-damage and Water-leakage

The waterproof modular design can protect the modules, ICs and components very well, apply airplugs to achieve high protection and waterproof ability.



960x960x80mm



1024x1024x100mm

Applications areas

Application: Outdoor billboards, Shopping mall, Commercial complex, Parking area, Theme parks, Sports stadium, Playgrounds, Entertainment venue facades, etc.

Product parameters

Model	P8	P6.67	P8	P10
Pixel Pitch(mm)	8	6.67	8	10
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Type	SMD2727	SMD2727	SMD2727	SMD2727
Pixel Density(dots/m ²)	15,625	22,500	15,625	10,000
Cabinet Size(mm)	1024x1024x100	960x960x80	960x960x80	960x960x80
Cabinet Resolution(dots)	128x128	144x144	120x120	96x96
Module Size(mm)	512x256	480x320	480x320	480x320
Module Resolution(dots)	64x32	72x48	60x40	48x32
Cabinet Material	Profile cabinet	Die-casting Profile Aluminum		
Cabinet Weight	30kg/m ²	28kg/m ² (25kg/pc)		
Brightness(cd/m ²)	10,000	10,000	10,000	10,000
Power Avg.(W/m ²)	180	158	158	158
Power Max.(W/m ²)	450	395	395	395
Refresh Rate(Hz)	3,840	3,840		
Gray Scale(bit)	16	16		
Waterproof Grade	IP65	IP65		
Installation/Maintenance	Front / Rear	Front / Rear		
Life Span	100,000 hours	100,000 hours		
Mtbf	>100,000 hours	>100,000 hours		
Certificate	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS		

KM Series Curtain LED display



Ultra-light, High permeability
Screens with minimal requirements for steel structures
Hollow out design



Efficient waterproof
Glue filling process design, IP65 grade,
resistant to rain and fog, and strong wind resistance



High weather resistance
Stable operation in harsh cold environments as low
as -40 °C and high temperatures as high as 50 °C



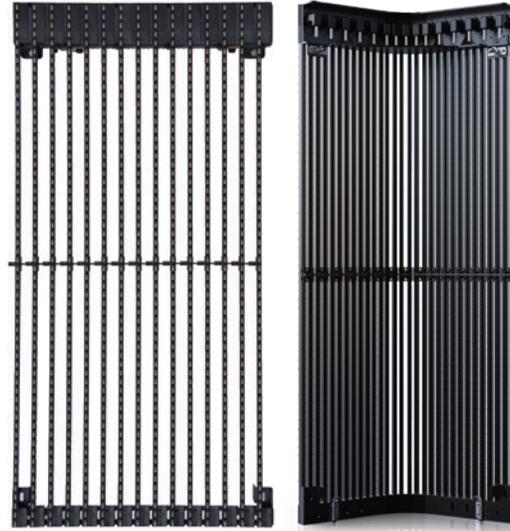
Noise-free, Good heat dissipation
Adopting rear cover fins for heat dissipation and light
strip hollowed out for natural heat dissipation



Customized Free-angle Cabinet
Applying for any curve or 3D LED wall



Easy installation Easy maintenance
Patented structural design, easy to maintain single
person front/back in 3 minutes/m²



500x1000x65mm

Applications areas

Urban centers, Outdoor buildings, Airports, Railway stations, Bus stations, High-speed railway stations, Road traffic, Large shopping malls, Children's palace, Star hotels, Glass wall.

Product parameters

Model	P16-16	P16-33	P25-25	P33-33	P25-50
Pixel Pitch(mm)	16-16	16-33	25-25	33-33	25-50
Pixel Composition	1R1G1B	1R1G1B	1R1G1B	2R2G2B	2R2G2B
LED type	DIP346	DIP346	DIP346	DIP346	DIP346
Pixel Density(dots/m ²)	3,600	1,800	1,600	900	800
Brightness (cd/m ²)	10,000	8,000	8,000	8,000	8,000
Power Max./Avg.(W/m ²)	400/185	400/175	400/150	400/150	400/155
Transparency Rate (%)	45	70	65	68	68
Minimum View Distance(m)	16	25	25	33	37.5
Cabinet Size (mm)	500x1000	500x1000	500x1500	500x1000	500x1000
Cabinet Weight (kg/pc)	8	5	6.5	6.8	7
Fixing Structure Weight (kg/m ²)	5				
Refresh Rate (Hz)	1920-3840				
Ingress Protection	IP65				
Ventilation and Heat Dissipation	Natural ventilation				
Cleaning Method	High-pressure water jet				
Shell Material	Aluminium alloy				
Maintenance Mode	Front				
Gray Scale(bit)	12 ~ 16				
Working Temperature	-20 °C ~ 60 °C				
Mtbf	100,000 hours				
Certification	CE, ETL, FCC, RoHS				

Case Show I



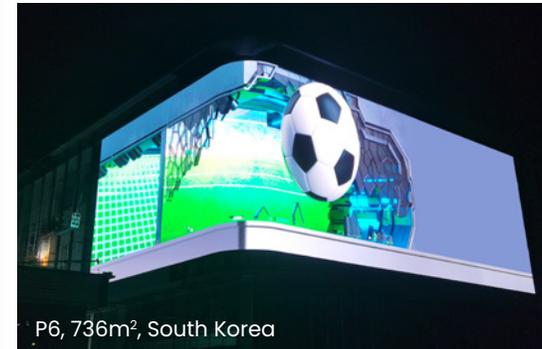
P6, 1200m², Guangdong, China



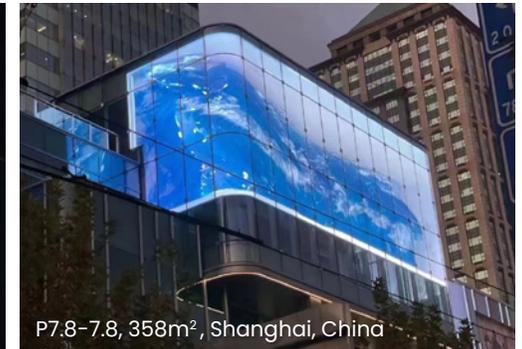
P6, 900m², Hainan, China



P6, 467m², Jiangsu, China



P6, 736m², South Korea



P7.8-7.8, 358m², Shanghai, China



P16-16, 570m², Russia



P16-16, 780m², Saudi Arabia



P6, 382m², Guangdong, China

Case Show II



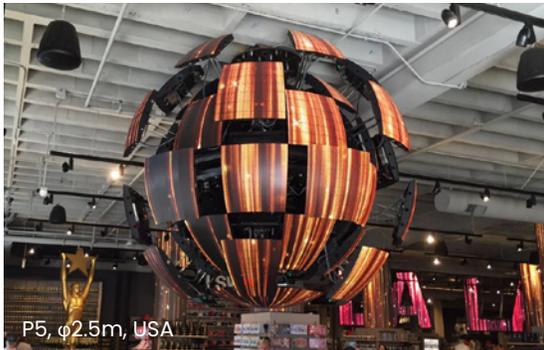
P3, ϕ 11m, Shanxi, China



P4, ϕ 17m, Shangdong, China



P10, ϕ 16.3m, Russia



P5, ϕ 2.5m, USA



P6, ϕ 2m, Indonesia



P4, ϕ 4m, Guizhou, China

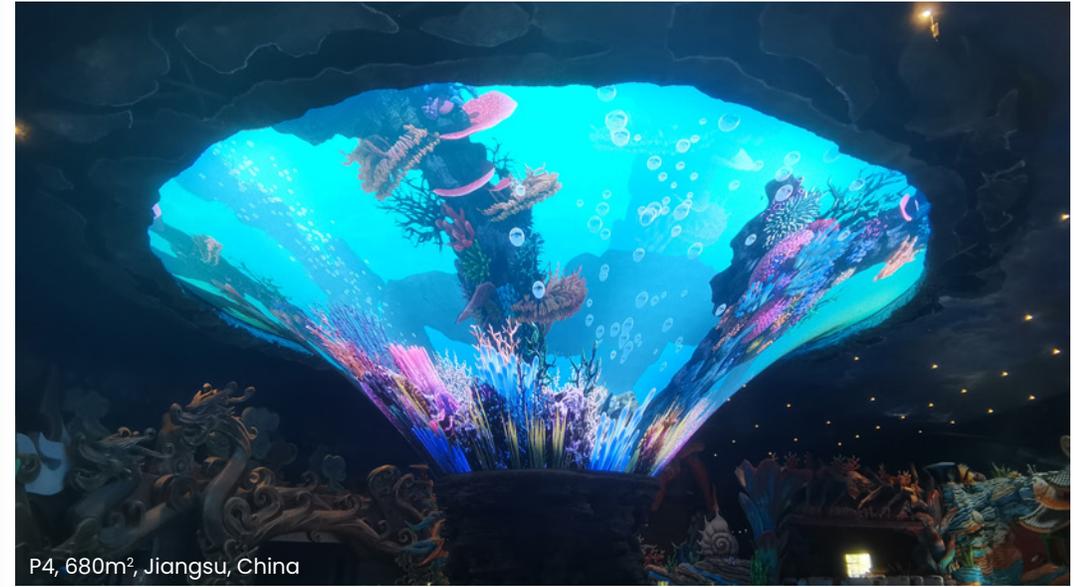


P7.62, ϕ 1.8m, Korea

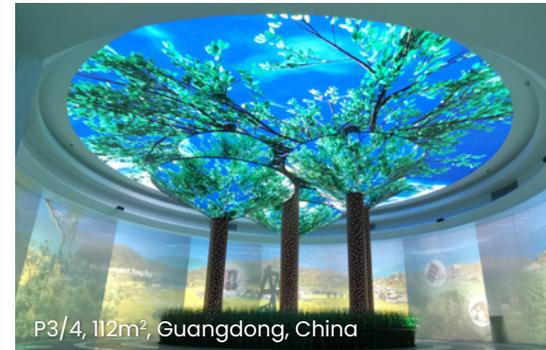


P10, ϕ 6m, Shandong, China

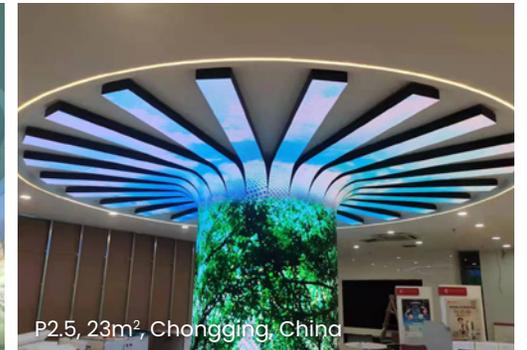
Case Show III



P4, 680m², Jiangsu, China



P3/4, 112m², Guangdong, China



P2.5, 23m², Chongqing, China



P6, 20m², Sichuan, China



P6, 53m², Sichuan, China



P6, 112m², Italy

Case Show IV



P4, 730m², Guangdong, China



P3, 93m², Shenzhen, China



P4, 12m², Jiangsu, China



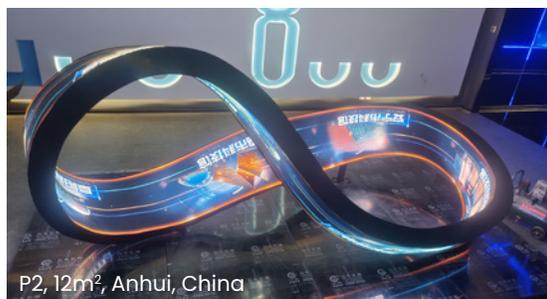
P2.5, φ10.1m, Macao, China



P2.5, 41m², Malaysia



P2.5, 48m², Italy

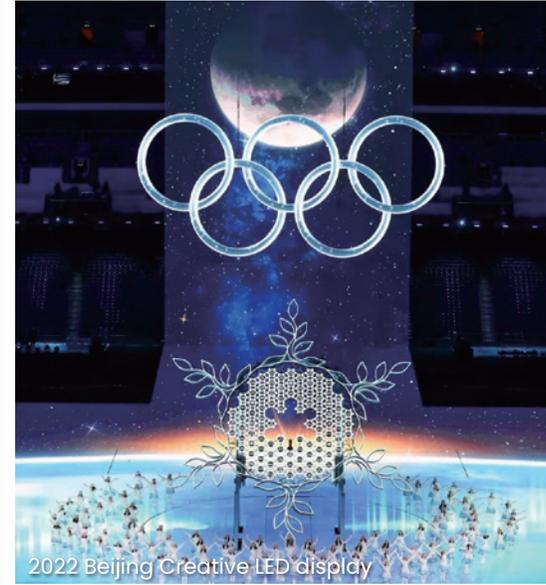


P2, 12m², Anhui, China

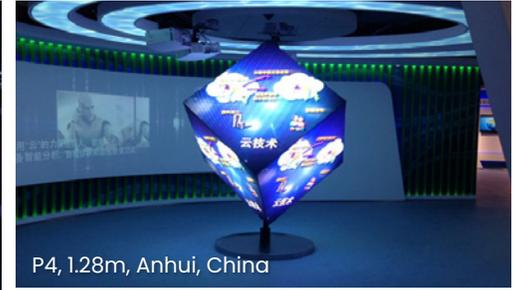


P2, 17m², Guangxi, China

Case Show V



2022 Beijing Creative LED display



P4, 1.28m, Anhui, China



P3, 9m², Japan



P2, 8m², Germany



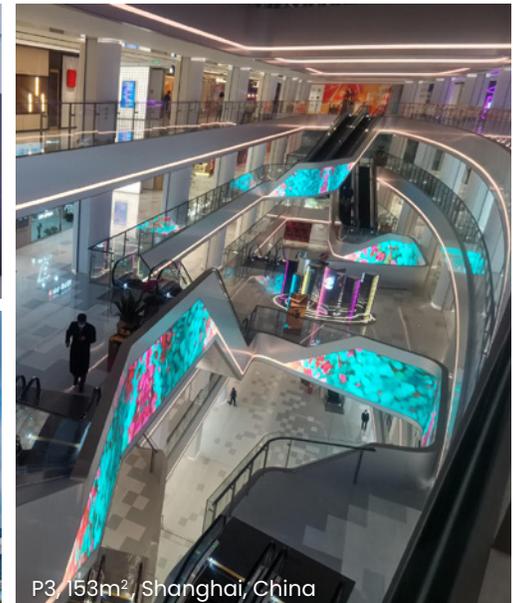
P6, 5m², Hong Kong, China



P1.875, 18m², Guangdong, China



P10, φ8.0m, Hong Kong, China



P3, 153m², Shanghai, China

Case Show VI



P1.667, 45m², Macao, China



P2, 49m², Guangxi, China



P3, 76m², South Korea



P4, 35m², Saudi Arabia



P3.91, φ6m, Guangdong, China



P4, LED LOGO, USA

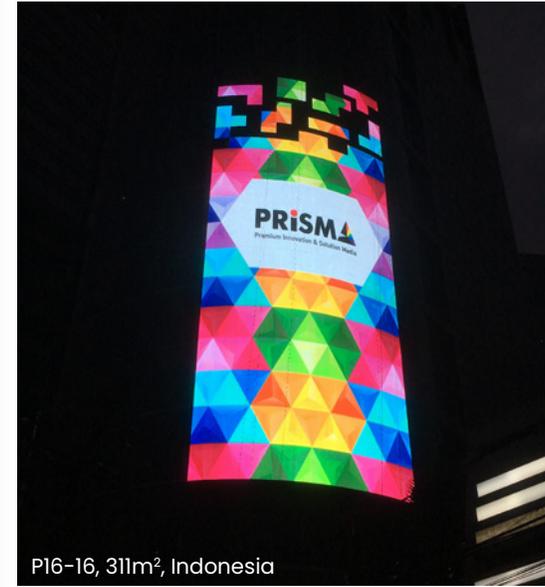


P8, φ1.6 & H3.2m, Seoul, South Korea



P8, LED LOGO, France

Case Show VII



P16-16, 311m², Indonesia



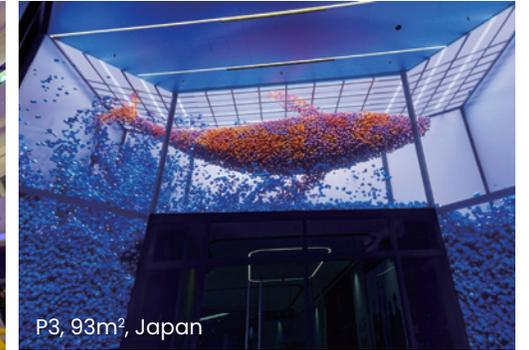
P16-33, 234m², Turkey



P2.5, 171m², Hainan, China



P4, 600m², Guangdong, China



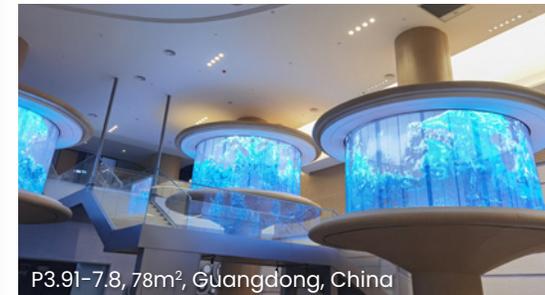
P3, 93m², Japan



P2, 12m², Poland



P3.91-7.8, 111m², Guangdong, China

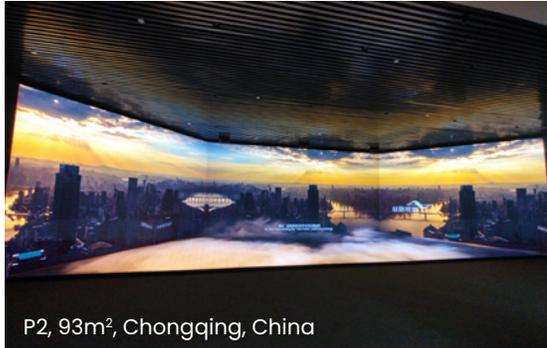


P3.91-7.8, 78m², Guangdong, China

Case Show VIII



P2.5, 750m², Hainan, China



P2, 93m², Chongqing, China



P2, 68m², Chongqing, China



P2.5, 435m², Canada



P6, 945m², Australia



P2.5, 45m², Chongqing, China

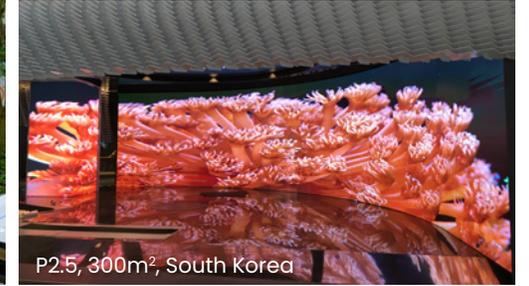
Case Show IX



P1.5, 55m², Guangdong, China



P1.5, 17m², UK



P2.5, 300m², South Korea



P1.5, 21m², Guangdong, China



P1.5, 40m², Shanghai, China



P1.5, 74m², Guangdong, China



P2.5, 42m², Guangdong, China



P16-16, 28m², Poland