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01

Company Profile

COMPANY PROFILE

Shenzhen TOPLED Optotech Co., Ltd. (hereinafter referred to as "TOPLED") was established in May 2006 and belongs to TOPLED Group, with a registered capital of 51 million yuan and a plant area of 25,000 square meters, which is divided into Shenzhen production base and Jiangxi production base. The company has been focusing on the research and development, production and engineering installation services of LED application products. The products cover indoor and outdoor LED large screens, LED outdoor high-brightness energy-saving products, flexible screens, LED canopies, multimedia advertising screens, stadium LED display systems, LED conference all-in-one machines, highway and urban traffic variable information boards, rental displays, LED landscape lighting products, etc., to provide customers with full service from system design, program demonstration, product manufacturing, equipment installation to after-sales service, and realize customers' requirements for high-quality LED application products. It has a complete R&D, manufacturing, sales, engineering installation and after-sales service system.

As a national high-tech enterprise, the company has 65 LED-related patents, with outdoor three-in-one "2828" and "3535" key technology patents, and is the first in the domestic industry to pass the ISO9001 international quality system certificate, ISO14001 international environmental management system certification, and ISO45001 occupational safety management system certification. With its influence in the industry, the company has become the governing unit of the China Green Industry Federation, the vice president unit of the China LED Practical Application Branch, the member unit of the China Semiconductor Lighting Association, the governing unit of the China Traffic Engineering Society, and the core member unit of the LED Optoelectronic Association. The Products pass 3C, FCC, IP65, CE , ROHS ,KC, CB certificate



Corporate culture

■ Corporate Mission

Innovation and Forge Ahead !



■ Corporate Style

Quick! Efficient! Team!

■ Corporate Slogan

We remain true to our commitment !

■ Corporate Vision

Lighting Up Your Life !

■ Enterprise Faith

Faithfulness,Mutual Benefit !

■ Corporate Ethics

Quality First, Customer Foremost!



I Development History

Development History

2006

The company was established to focus on the production and development of LEDs

2007

R&D of LED display products, Manufacturing, Sales

2010

Obtain ISO certification:
ISO9001, ISO14001, ISO45001

2014

23 Related Patents and Honors.

2018

New product Research and Development, Factory Expansion

2023

20000m² Jiangxi Factory put into operation

I Factory

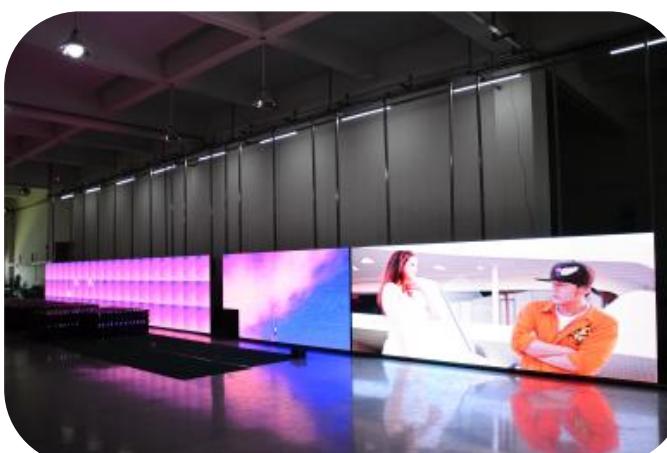
Shenzhen Factory

■ Scale

Shenzhen factory: 5000 sqm, with a new assembly line and aging workshop.

■ Capacity

Daily capacity: 500 sqm. Fastest delivery to meet your needs.



Jiangxi Factory

■ Scale

December 2023: TOPLED Jiangxi Factory starts with 12 SMT production lines across 20,000 sqm.

■ Capacity

Daily capacity: 2000 sqm .
Fastest delivery to meet your needs.



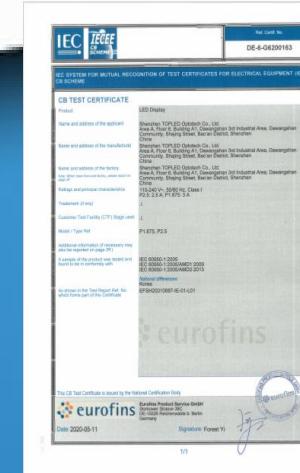
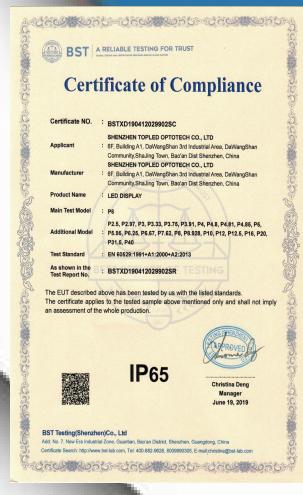
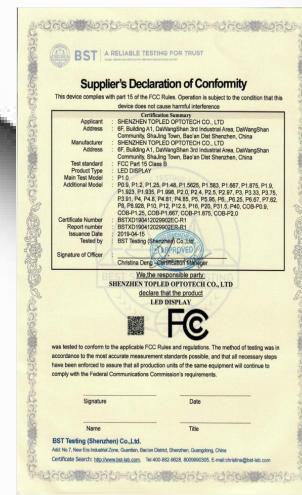
02

Company Honors

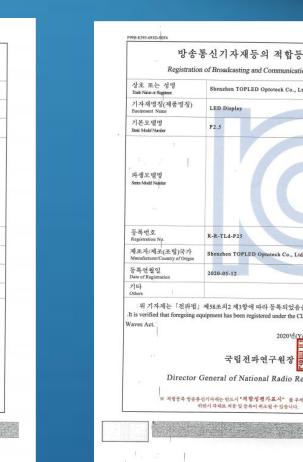


九晟

COMPANY HONOR



**Confidence makes people full
of self-confidence, and strong
self-confidence will create a
good career for you.**





九晨

COMPANY HONOR



**Confidence makes people full
of self-confidence, and strong
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03

Product Introduction

PRODUCT CENTER



•Outdoor Energy-Saving Series :

P4 \ P5 \ P6.67 \ P8 \ P10



High Definition



Super slim



Light weight



Easy installation



High level protection



Low power consumption

PRODUCT FEATURES

- The module is made of aluminum bottom shell material, which has a stable structure, is not easy to deform, and has good heat dissipation function.
- Aluminum Cabinet, Light weight stable in structure and not easy to deform.
- Easy and Fast Maintenance
- IP66 High protection rate, waterproof, dustproof and rustproof.

PARAMETER					
PRODUCT MODEL	P4	P5	P6.67	P8	P10
LED LIGHT	1921	2727	2727	2727	3535/2727
PHYSICAL DENSITY (DOT/M ²)	62500	40000	22500	15625	10000
MODULE SIZE (MM)			480*320		
MODULE RESOLUTION	120*80	96*64	72*48	60*40	48*32
CABINET SIZE (MM)			960*960		
CABINET MATERIAL	ALUMINUM OR DIE-CAST ALUMINUM				
SCANNING METHODS	1/8	1/8	1/6	1/4	1/2
GREY SCALE(BIT)	14	14	14	14	14
PROTECTION CLASS	IP66	IP66	IP66	IP66	IP66
BRIGHTNESS	5000-12000	5000-12000	5000-12000	5000-10000	7000-12000
HORIZONTAL/VERTICAL VIEW	$\geq 140^\circ / \geq 120^\circ$				
DRIVING METHOD	CONSTANT CURRENT DRIVER				
MODULE SUPPLY VOLTAGE	COMMON CATHODE ENERGY SAVING: 2.8V+3.8V CONVENTIONAL: 5V				
MAXIMUM REFRESH FREQUENCY	3840Hz				
INPUT VOLTAGE AC	110—220V				
RATED CURRENT DC	12-15A	12-15A	12-15A	12-15A	12-15A
AVERAGE POWER CONSUMPTION	150W/M ²				

PRODUCT CENTER



●Outdoor Regular Series : P2.5 \ P3 \ P4 \ P5 \ P6 \ P8 \ P10



High Definition



Super slim



Light weight



Easy installation



High level
protection



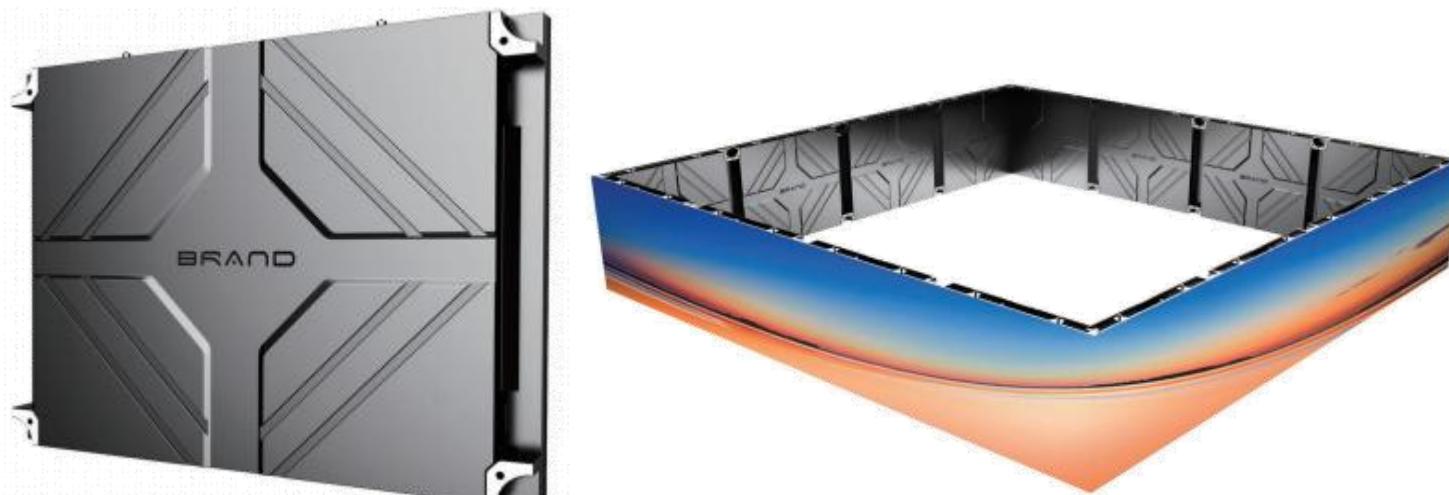
Low power
consumption

PRODUCT FEATURES

- Bright colors, high contrast, good consistency, high brightness
- Seamless splicing High Precision
- Standard design, Easy to install and maintain
- IP65 protection level, Waterproof, Dust proof, Rust-proof

PARAMETER						
PRODUCT MODEL	P2.5	P3	P4	P6	P8	P10
PIXEL PITCH(MM)	2.5	3.076	4.0	6.667	8.0	10.0
PHYSICAL DENSITY	160000	111111	62500	27777	15625	10000
LED TYPE	1415	1415	1921	2727/3535	2727/3535	3535
MODULE SIZE (MM×MM)	320*160	320*160	320*160	320*160	320*160	320*160
MODULE RESOLUTION (PX×PX)	128*64	104*52	80×40	48×24	40×20	32x16
SCANNING MODE	1/16	1/13	1/10	1/6	1/5	1/2
(CD/M2)BRIGHTNESS	5000-12000					
GREY SCALE	16BIT					
REFRESH RATE(Hz)	≥3840					
AVERAGE POWER CONSUMPTION/M2	COMMON CATHODE ENERGY SAVING: 150W CONVENTIONAL: 200W					
CABINET SIZE (MM×MM)	960*960	960*960	960*960	960X960	960*960	960*960
CABINET WEIGHT (KG)	35±5%	35±5%	35±5%	35±5%	35±5%	35±5%
CABINET MATERIAL	DIE-CASTING ALUMINUM /WATER PROOF IRON CABINET					
INPUT VOLTAGE(V)	AC110V-220V+1-10%					
PROTECTION LEVEL	IP65					

PRODUCT CENTER



- Indoor Small Pixel Pitch P series :
- P1.25 \ P1.538 \ P1.86 \ P2.0 \ P2.5



High Definition



Super slim



Light weight



Easy installation



High level protection



Low power consumption

PRODUCT FEATURES

- The whole cabinet is made of aluminum alloy, which is light in weight, stable in structure and not easy to deform.
- High Contrast Perfect Image Good Consistency

PARAMETER				
PRODUCT MODEL	P1.25	P1.538	P1.86	P2.5
LED LIGHT	1010	1212	1515	2121
PHYSICAL DENSITY (DOT/M ²)	640000	422753	359856	160000
MODULE SIZE (MM)	320*160			
MODULE RESOLUTION	462	286	172	105
CABINET SIZE (MM)	640*480			
SCANNING METHODS	1/52	1/52	1/43	1/24
GREY SCALE(BIT)	16BIT			
PROTECTION CLASS	IP43			
REFRESH RATE(Hz)	≥3840			
AVERAGE POWER CONSUMPTION/M ²	150W			
CABINET WEIGHT(KG)	25±5% M ²			
CABINET MATERIAL	DIE-CASTING ALUMINUM			
INPUT VOLTAGE(V)	AC110V-220V+1-10%			

PRODUCT CENTER



- Indoor Small Pixel Pitch K series :
- P1.25 \ P1.5625 \ P1.875



High Definition



Best Visual Image



Strong Resistant to collisions



Good flatness



Magnetic suction installation



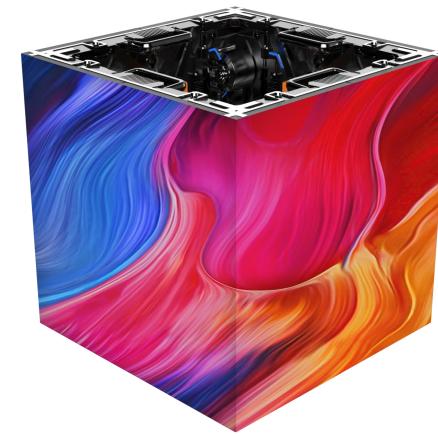
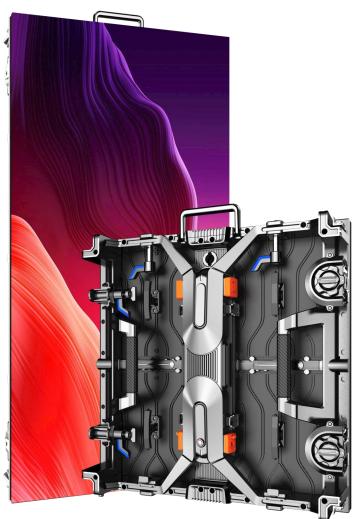
Front and rear maintenance

PRODUCT FEATURES

- Ultra-thin,light weight,easy to install,Seamless assemble
- Ultra-clear display,Amazing Photographic effects
- High Contrast Perfect Image Light Weight Elegant Appearance
- Wide viewing angle,High refresh rate,high contrast,good consistency

PARAMETER			
PRODUCT MODEL	P1.25	P1.5625	P1.875
PIXEL PITCH(MM)	1.25	1.5625	1.875
PHYSICAL DENSITY	640000	422500	284444
LED TYPE	1010	1212	1515
MODULE SIZE(MM×MM)	300*168.75	300*168.75	300*168.75
MODULE RESOLUTION(PX×PX)	240×135	192×108	160×90
SCANNING MODE	1/52	1/52	1/43
BRIGHTNESS (CD/M2)	450~800		
GREY SCALE	16BIT		
REFRESH RATE(Hz)	≥3840		
AVERAGE POWER CONSUMPTION/M2	150W		
CABINET SIZE (MM×MM)	600X337.5	600X337.5	576X576
CABINET WEIGHT(KG)	23±5%M ²		
CABINET MATERIAL	DIE-CASTING ALUMINUM		
INPUT VOLTAGE(V)	AC110V-220V+1-10%		

PRODUCT CENTER



● **500*500/500*1000 Rental Series :**
P1.56 / P1.953 / P2.5 / P2.604 / P2.97 / P3.91 / P4.81 /
P2.976 / P3.91 / P4.81



PRODUCT FEATURES

- Light and HUB Connection Cabinet design, Convenient Transportation
- High-Definition, High Grey scale
- Front/Back Maintenance Optional , Quickly assembled in various ways
- Seamless Splicing, Uniform Screen

	INDOOR RENTAL SERIES PARAMETER						OUTDOOR RENTAL SERIES PARAMETER							
PRODUCT MODEL	P1.56	P1.953	P2.5	P2.604	P2.97	P3.91	P2.604	P2.976	P3.91	P4.81				
PIXEL PITCH(MM)	1.56	1.953	2.5	2.604	2.97	3.91	2.604	2.976	3.91	4.81				
PHYSICAL DENSITY	409600	262144	160000	147456	112896	65536	147456	112896	65536	43264				
LED TYPE	1515	1515	1515	1515	1515	2121	1515	1921	2727	2727				
MODULE SIZE (MM×MM)	250x250	250x250	250x250	250x250	250x250	250x250	250x250	250x250	250x250	250x250				
MODULE RESOLUTION (PX×PX)	160*160	128*128	100×100	96×96	84×84	64×64	96×96	84×84	64×64	52×52				
SCANNING MODE	1/40	1/32	1/32	1/32	1/28	1/16	1/32	1/21	1/16	1/13				
BRIGHTNESS (CD/M ²)	400-800						≥3500	≥3500	≥4000					
GREY SCALE	16BIT													
REFRESH RATE (Hz)	≥3840													
AVERAGE POWER CONSUMPTION/M ²	150W						200W							
CABINET SIZE (MM×MM)	500X500/500X1000													
CABINET WEIGHT (KG)	7 / 14													
CABINET MATERIAL	DIE-CASTING ALUMINUM													
INPUT VOLTAGE(V)	AC110V-220V+1-10%													
PROTECTION LEVEL	IP43						IP65							

PRODUCT CENTER



•576*576 Cabinet Rental Series :
P2.88 / P3.79 / P4.8 / P3.79 / P4.8 / P6



PRODUCT FEATURES

- Ultra-lightweight and ultra-thin, quick installation, easy to transport;
- High precision, seamless splicing, easy maintenance;
- High-definition display, environmentally friendly and energy-saving.

	INDOOR RENTAL SERIES PARAMETER			OUTDOOR RENTAL SERIES PARAMETER		
PRODUCT MODEL	INDOOR P2.88	INDOOR P3.79	INDOOR P4.8	OUTDOOR P3.79	OUTDOOR P4.8	OUTDOOR P6
PIXEL PITCH(MM)	2.88MM	3.79MM	4.8MM	3.97MM	4.8MM	6MM
LED TYPE	1415	2020	2020	1820	1820	2525/2727
PHYSICAL DENSITY	120562	69618	43402	69618	43402	27778
MODULE SIZE (MM×MM)	288*288					
MODULE RESOLUTION (PX×PX)	100*100	76*76	60*60	76*76	60*60	48*48
CABINET SIZE (MM×MM)	576*576*70					
CABINETRESOLUTION	200*200	152*152	120*120	152*152	120*120	96*96
CABINET MATERIAL	DIE-CASTING ALUMINUM					
CABINET WEIGHT(KG)	9KG±5%					
MODULE MAINTENANCE	REAR					
SCANNING MODE	1/25	1/19	1/20	1/20	1/19	1/8
BRIGHTNESS(CD/M2)	≥1000	≥800	≥800	≥4000	≥4500	≥4500
REFRESH RATE(Hz)	≥3840					
INPUT VOLTAGE(V)	AC220V/50HZ					
PROTECTION LEVEL	IP31			IP65		

PRODUCT CENTER



● Indoor / Outdoor LED Screen for Stadium Series : P6 / P8 / P10



High refresh rate



Quality Assurance



Quick installation



High level protection



Angle Adjustment



large viewing angle

PRODUCT FEATURES

- High protection, Unique soft mask and anti-collision pad to ensure the safety of athletes
- Adjustable viewing angle to ensure the best vision of the audience
- High refresh, high gray scale, high contrast, good consistency
- Ultra-wide vision, Clear and natural picture

INDOOR STADIUM LED SCREEN PARAMETER		OUTDOOR STADIUM SCREEN TECHNICAL PARAMETERS					
PRODUCT MODEL	P6	P6.67	P8	P10			
PIXEL PITCH(MM)	6	6.67	8	10			
PHYSICAL DENSITY	27777	25000	15625	10000			
LED TYPE	SMD3528	SMD3535	SMD3535	SMD3535			
(MM×MM) MODULE SIZE	192x192	320x320	320x320	320x320			
(PX×PX) MODULE RESOLUTION	32x32	32x32	32x16	32x16			
SCANNING MODE	1/8	1/8	1/8	1/2			
(CD/M2)BRIGHTNESS	2000-2500	≥6000	≥6000	≥6500			
GREY SCALE	16BIT						
(Hz) REFRESH RATE	≥3840						
AVERAGE POWER CONSUMPTION/M2	150W	200W					
(MM×MM)CABINET SIZE	960X960	960X960 /1280*960 /1280*1120 /1280*1280 OPTIONAL					
(KG) CABINET WEIGHT	35	35~50KG DEPEND ON SCREEN SIZE					
CABINET MATERIAL	DIE-CASTING ALUMINUM / WATER PROOF IRON CABINET						
(V) INPUT VOLTAGE	AC110V-220V+1-10%						
PROTECTION LEVEL	IP45	IP65					

PRODUCT CENTER



• LED Poster series :

P1.25 \ P1.538 \ P1.86\ P2 \ P2.5



High Definition



Super slim



Light weight



Plug and play



High level protection



Low power consumption

PRODUCT FEATURES

- Ultra-thin design, simple and beautiful, high-definition display;
- Split-screen playback, Seamless splicing, Supports multiple installation methods;
- Intelligent linkage
(can be controlled by mobile phone/computer/WIFI/U disk)

LED POSTER SPECIFICATION					
PRODUCT MODEL	P1.25	P1.538	P1.86	P2	P2.5
PIXEL CONFIGURATION	1010	1212	1515	1515	2121/1921
BRIGHTNESS (NITS)	600-800	600-800	600-800	600-800	600-5000 HIGH BRIGHTNESS OPTIONAL
SCAN	1/52	1/52	1/43	1/40	1/32 / 1/16
POWER CON. (MAX / AVG)	600 / 200 W	600 / 200 W	600 / 200 W	600 / 200 W	600 / 200 W
RESOLUTION (960/640MM)	(768/512) x1536	(624/416) x 1248	(516/344) x 1032	(480/320) x 960	(384/256) x 768
MODULE DIMENSION	320x160MM / 1.05x0.52FT				
DISPLAY DIMENSION	960 x 1920MM / 640 x 1920MM OR 3.15 / 2.1 x 6.3FT				
REFRESH RATE (HZ)	1920-3840HZ				
WEIGHT(960/640/1280)	70 / 50 KG				
GREY SCALE (BIT)	16				
VIEWING ANGLE (H/V)	140/140				
INPUT VOLTAGE (AC)	110/220				
MAINTENANCE	REAR SERVICE				
FRAME COLOR	RED, BLUE, GREEN, YELLOW, WHITE, BLACK CUSTOMIZE				

PRODUCT CENTER



•LED Flexible Transparent Film Display series :

P6 \ P6.65 \ P8 \ P10 \ P15 \ P20



High Definition

Super slim

Light weight

Easy installation

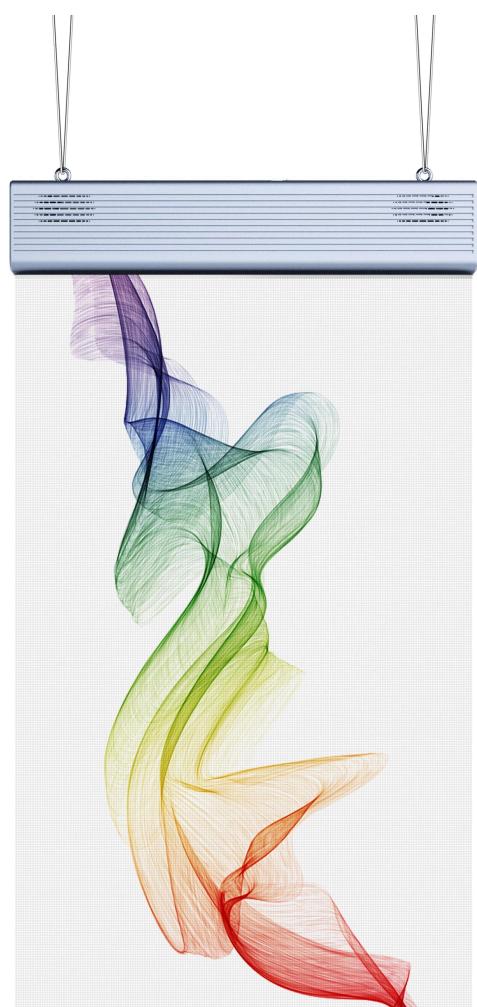
High level protection

Low power consumption

PRODUCT FEATURES

- Flexible, lightweight, high transparency;
 - Easy installation, seamless splicing, strong heat dissipation;
 - Wide viewing angle, bendable, not limited by size;
 - Shock-resistant, collision-proof, can be freely cut.

PRODUCT CENTER



- LED Holographic display series :
- p3.91 / p6.25



High Definition



Super slim



Light weight



Easy installation



High level protection



Low power consumption

PRODUCT FEATURES

- Embedded design, lamp drive in one
- Any dead pixel will not affect other lamp beads

MODEL	M3GLASS MOUNTING	M6GLASS MOUNTING
PRODUCT MODEL	P3.91 / P3.91 EVENLY SPACED	P6.25 / P6.25 EVENLY SPACED
PERCEPTUAL TRANSPARENCY	80%	90%
(DOT/ M ²) PIXEL DENSITY	65536	25600
(MM) CABINET SIZE	250x1200	250x1500
(DOT) CABINET RESOLUTION	64x300	40X240
(KG/ m ²) WEIGHT	6	5
(CD/ M ²) BRIGHTNESS	≥ 2500	≥ 2000
FORM FACTOR	LAMP DRIVE INTEGRATED PACKAGE	
SCAN METHOD	SINGLE-POINT, SINGLE-CONTROL, STATIC DRIVE	
THE WORKING LIFE OF THE LAMP BEADS	≥ 100,000 HOURS	
GRAYSCALE SCALE	65536 (BIT)	
MAXIMUM POWER CONSUMPTION	800	
(W/ M ²) AVERAGE POWER CONSUMPTION	200	
LED CONTROL SYSTEM	SAME/ASYNCHRONOUS	
INPUT VOLTAGE	AC100~240V 50/60 Hz	
MODULE OPERATING VOLTAGE	DC 4.2V ± 0.2V	

PRODUCT CENTER



•Flexible LED Display series :

P4 \ P3.076 \ P2.5\ P2 \ P1.86 \ P1.5



High Definition



Super slim



Light weight



Easy installation



High level protection



Low power consumption

PRODUCT FEATURES

- Flexible, lightweight,;
- Easy installation, seamless splicing;
- Wide viewing angle, bendable,;
- Customize any shape;

PARAMETER						
PRODUCT MODEL	P4	P3.076	P2.5	P2	P1.86	P1.5
MODULE SIZE (MM)	320*160					
LED LIGHT	2121	2121/1515	2121/1515	1515	1515	1515
SCANNING	20S	26S	32S	40S	43S	52S
PIXEL POINT	80*40	104*52	128*64	160*80	172*86	204*102
(CD/M2) BRIGHTNESS	450~800					
GREY SCALE	16BIT					
REFRESH RATE	≥3840					
AVERAGE POWER CONSUMPTION/M2	150W					
INPUT VOLTAGE	AC110V-220V+1-10%					

04

Project Cases

I Cooperative Partners



中国南方航空
CHINA SOUTHERN



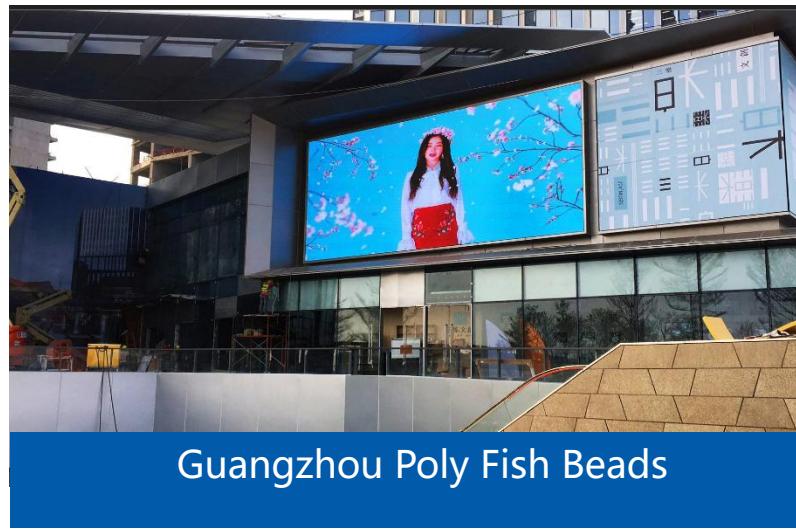
深圳地铁
SHENZHEN METRO



BURBERRY
LONDON ENGLAND



Domestic outdoor case display



OUTDOOR CASE DISPLAY



Seoul Korea



Seoul Korea



Seoul Korea



Seoul Korea



Seoul Korea



Shanghai Bingu



Seoul Korea



Seoul Korea



Hong Kong HK-GAP

INDOOR CASE DISPLAY



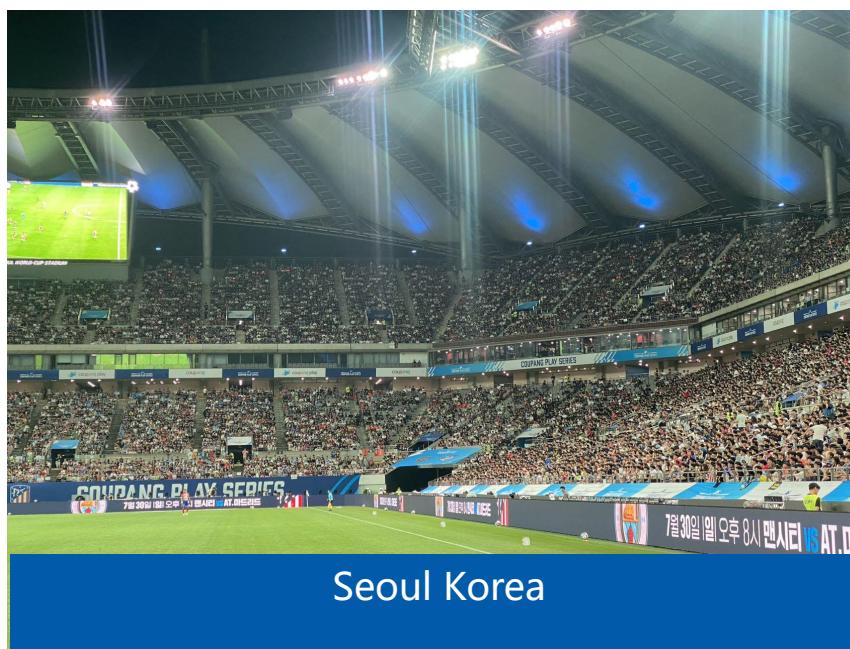
I Stadium case display



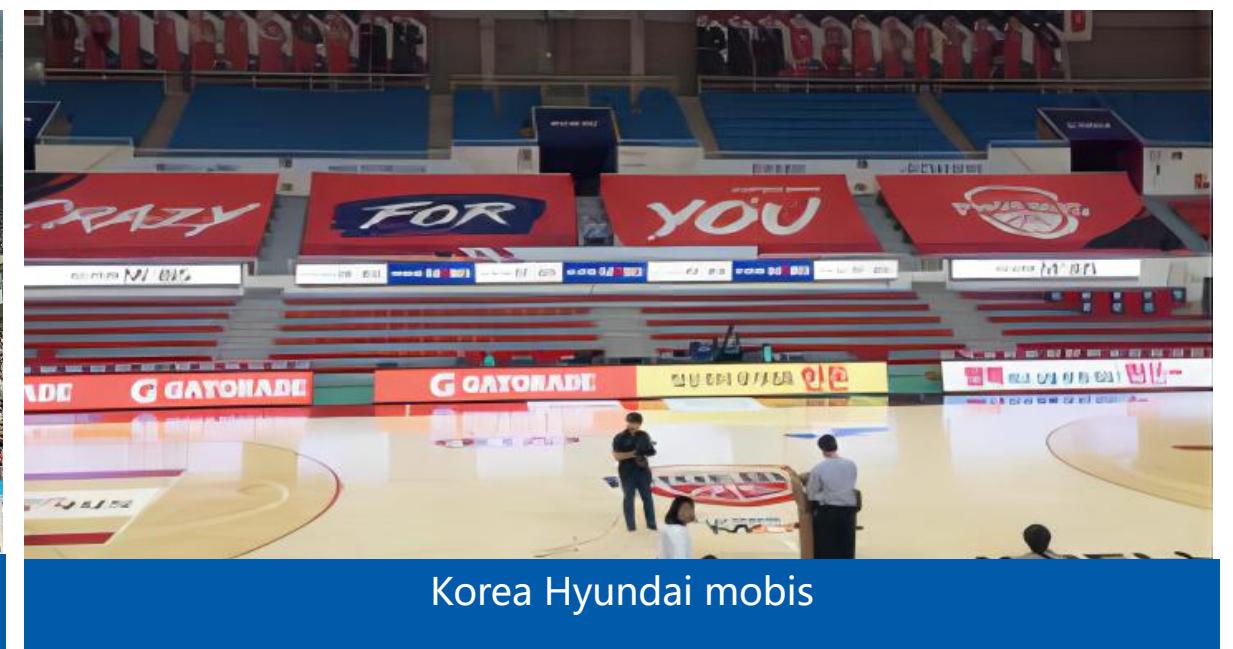
Liaoning Yingkou Mackerel New Hongyun Stadium



Korea BNK



Seoul Korea



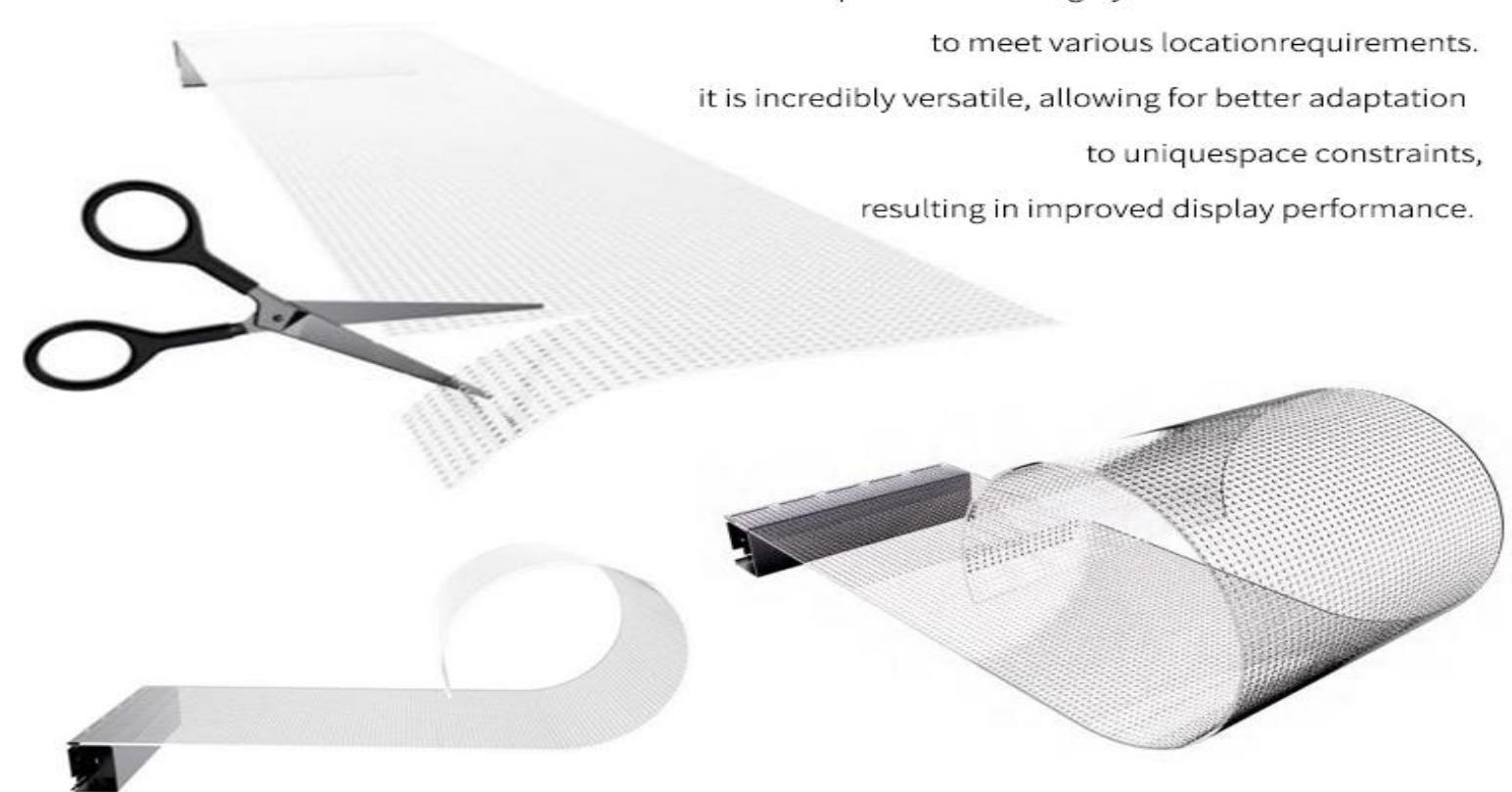
Korea Hyundai mobis

Poster screen case display



Supports multiple installation methods

Flexible transparent film display



CROPPING SUPPORT

This roll up led screenis highly flexible and can be bent to meet various locationrequirements. it is incredibly versatile, allowing for better adaptation to uniquespace constraints, resulting in improved display performance.

I Flexible LED Display Case



THANKS



| Concentration Integrity Pragmatism |