RiyadhRay Series

INDOOR HIGH COST-EFFECTIVE FINE PITCH FIXED PRODUCT

Diverse Pixel Spacing Options

Convenient screen upgrade with module replacement only, available in 0.93,1.25,1.56,1.87mm pixel pitch

Full Flip Chip COB package

All pixel pitch full Flip chip package makes wider view angle and good heat dissipation

Integrated Wireless Design Advantages

Safety assurance and swift maintenance

Redundancy options

Signal and power redundancy options for 4 times safety , super stability

Comprehensive High-Protection Features

Moisture, dust, static, and collision resistant with COB

Lightweight Panel Design

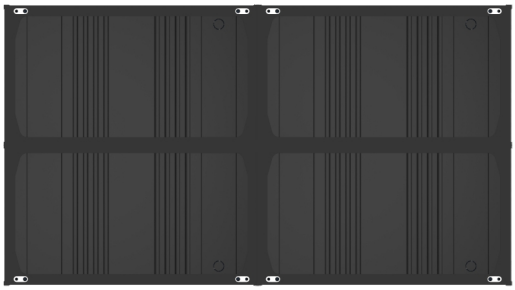
21.7kg/m² light weight design,reduce Labor Costs During Installation

MAGICVIU

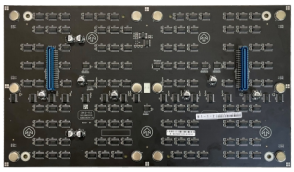
Multiple cabinet size options

600x337.5mm

40mm



1200x675mm



300x168.75mm

High contrast ratio

10000:1 high contrast ratio make the video wall bright colors and vavid

Ordinary

RiyadhRay

Low brightness but high gray level

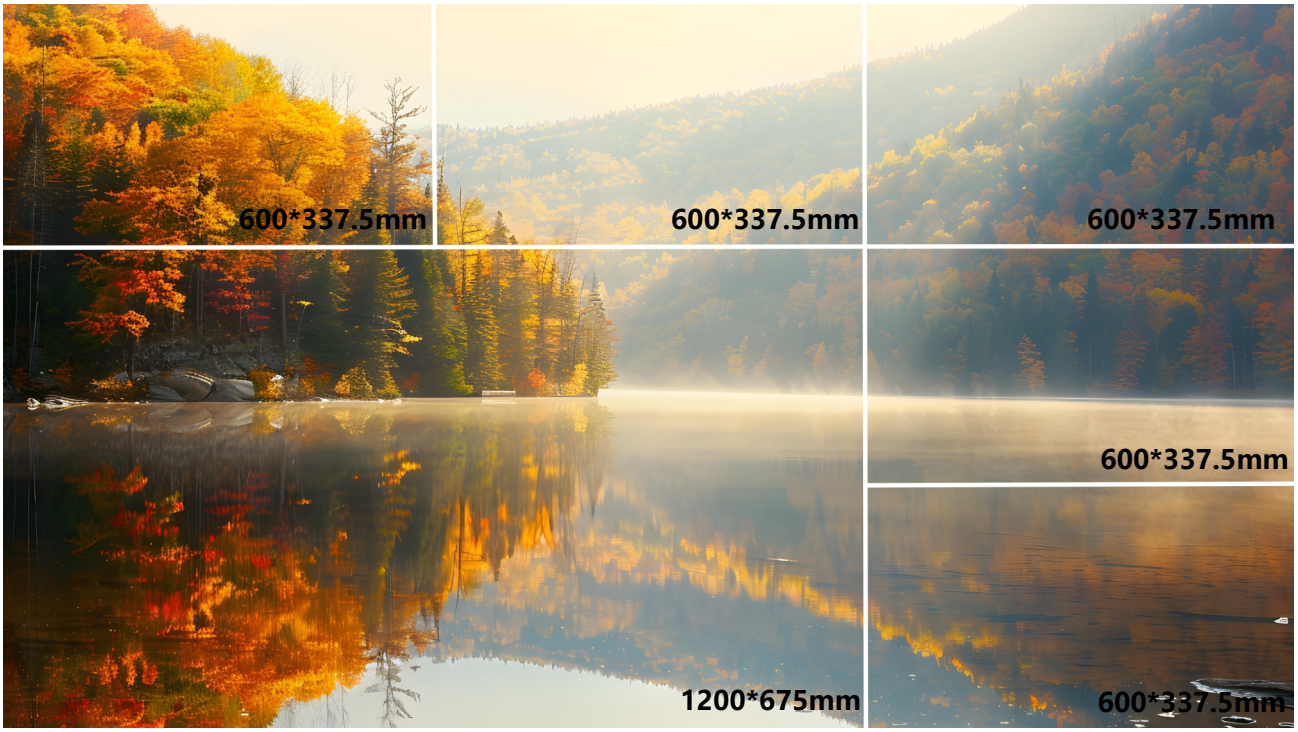
Even in low brightness but no gray lost ,details are clear and layered

Ordinary

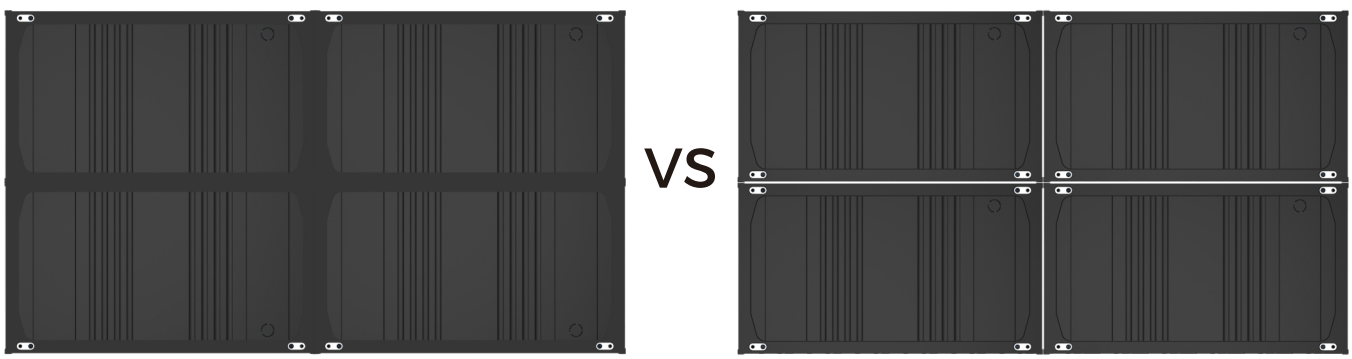
RiyadhRay

Multi-Size Splicing

Flexible splicing of large and small size cabinet,maximize meet the instalation size requirment.



Large size cabinet design



1200*675*40mm*1

600*337.5*40mm*4

Large-size cabinet design

Reduce splicing gaps

Reduce installation time

Save labor cost

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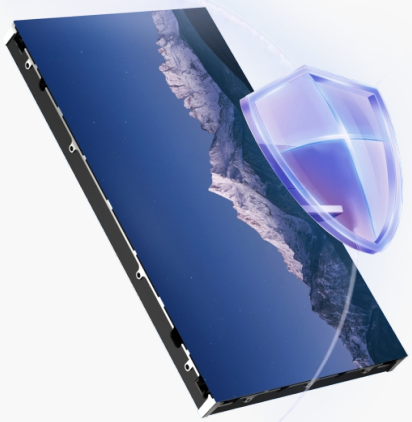
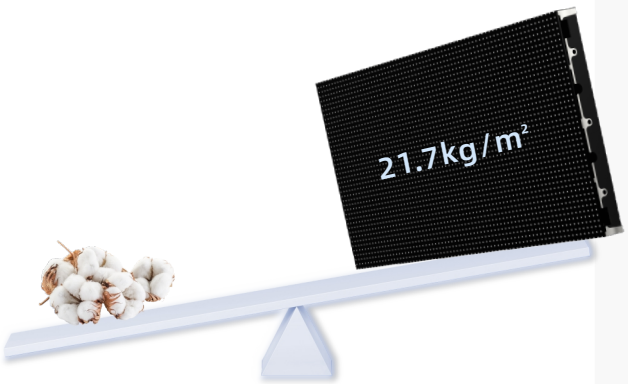
Super Protection

COB package gives the module surface a fully protection to resist the influence of various external environments



- Anti-collision
- Anti-oxidation
- Moisture-resistant
- Anti-static
- Easy clean

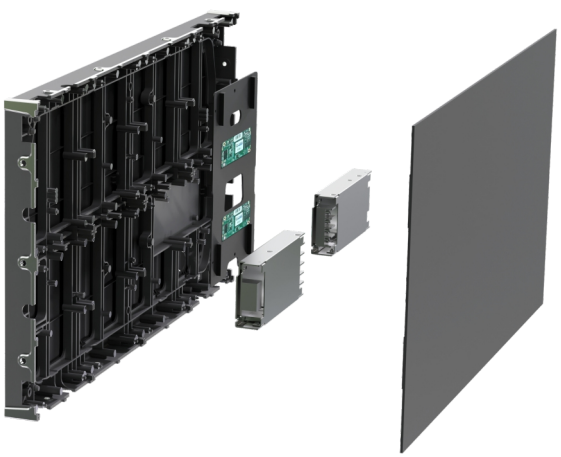


Light Weight design

Cabinet light weight design, reduce installation labor,reduce labor cost

Redundancy design

Dual receiving card and power supply options,for 4 times safety and super stability



Categories	Model	63V09	63V12	63V15	63V18
Physical Parameters	Pixel Pitch(mm)	0.9375	1.25	1.5625	1.875
	Pixel Configuration	COB			
	Pixel Density (dots/m^2)	1,137,778	640,000	409,600	284,444
	Cabinet Size (W×H×D)	600 × 337.5 × 40/1200 × 675 × 40			
	Cabinet Resolution (W×H)	640 × 360	480 x 270	384x216	320x180
	Cabinet Material	Die-cast aluminum			
	Module Size (W×H)	300 × 168.75 mm			
	Weight	600*337.5mm-4.4kg/1200*675mm-14.5kg			
Optical Parameters	Viewing Angle	170° / 170°			
	Brightness (cd/m^2)	600			
	Brightness Uniformity	⩾98%			
	Contrast	10,000 : 1			
	Refresh Rate	3840			
	Gray Scale	14 bit			
	Color Calibration	Pixel to Pixel			
	Color Temperature	2000~10000K			
Electrical Parameters	A.C. Inputs	100 ~ 240 V			
	Frame	50 / 60 hz			
	Power Consumption (Max.)	300 W/m^2	300 W/m^2	270 W/m^2	270W/m^2
	Power Consumption (Avg.)	100 W/m^2	100 W/m^2	100 W/m^2	100 W/m^2
	Redundancy	Optional			
Application	Serviceability	Front			
	Operation Temperature	-10°C ~ 40°C			
	Operation Humidity	10%～85%RH			
	Ingress Protection	IP54 fornt/IP53 rear			
	Exterior/Interior	Interior			
	Lifespan	100,000 hrs			
Others	Certificates	CE, FCC, CB , ETL			
	Packing	Carton			

Categories	Model	63V12	63V15	63V18
Physical Parameters	Pixel Pitch(mm)	1.25	1.5625	1.875
	Pixel Configuration	SMD		
	Pixel Density (dots/m^2)	640,000	409,600	284,444
	Cabinet Size (W×H×D)	600 × 337.5× 40/1200 × 675 × 40		
	Cabinet Resolution (W×H)	480 x 270	384x216	320x180
	Cabinet Material	Die-cast aluminum		
	Module Size (W×H)	300 × 168.75 mm		
	Weight	600*337.5mm-4.4kg/1200*675mm-14.5kg		
Optical Parameters	Viewing Angle	160° / 160°		
	Brightness (cd/m^2)	500-600		
	Brightness Uniformity	⩾98%		
	Contrast	5000 : 1		
	Refresh Rate	3840		
	Gray Scale	14bit		
	Color Calibration	Pixel to Pixel		
	Color Temperature	2000~10000K		
Electrical Parameters	A.C. Inputs	100 ~ 240 V		
	Frame	50 / 60 hz		
	Power Consumption (Max.)	≤400 W/m^2	≤400 W/m^2	≤400 W/m^2
	Power Consumption (Avg.)	≤130 W/m^2	≤130 W/m^2	≤130 W/m^2
	Redundancy	Optional		
Application	Serviceability	Front		
	Operation Temperature	-10°C ~ 40°C		
	Operation Humidity	10% ~ 85%RH		
	Ingress Protection	IP50front/IP53 rear		
	Exterior/Interior	Interior		
	Lifespan	100,000 hrs		
Others	Certificates	CE, FCC, CB , ETL		
	Packing	Wooden box		

MAGICVIU
Visual Marketing & Events Technology

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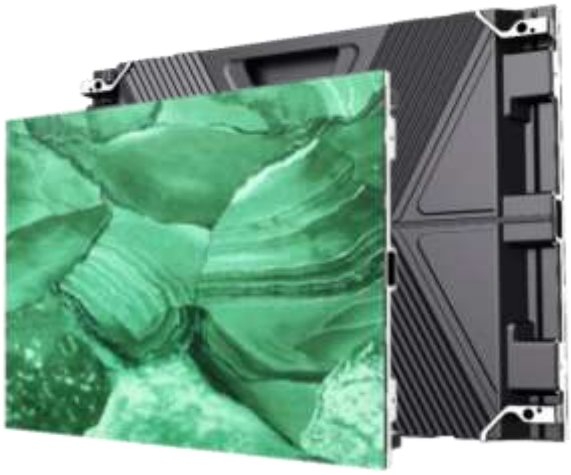
Visual Series

Visual 1.8 COB

Priority for Indoor Commercial Display



Product features:

- **Self-developed cabinet:**

  Unique exterior design, there are anti-dorking hole positions on the left and right, and the bottom has a bump-proof raised design.

- **High precision**

  Cabinet CNC machining size tolerance ± 0.05mm can be seamless splicing, flatness ≤ 0.2mm.

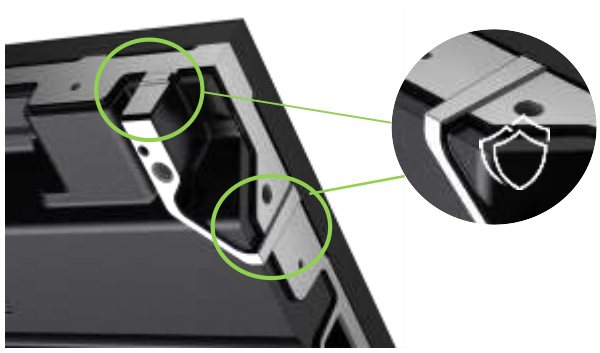
- **High Brightness ,High Contrast，High Refresh**

  Standard brightness ≥ 600nit, refresh rate up to 5000:1 , Standard 3840Hz.

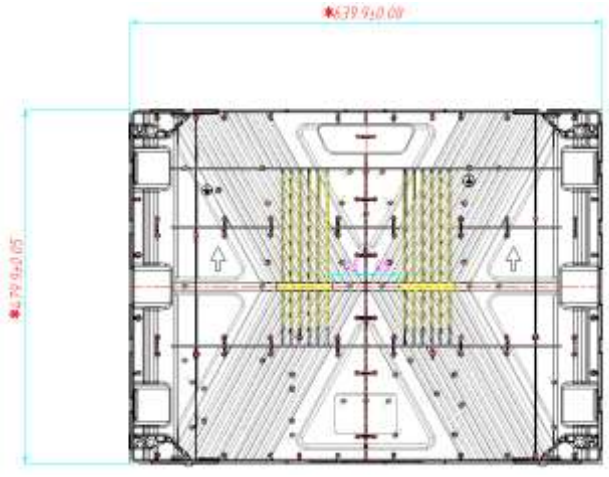
- **Good Compatibility**

  Replace the indoor P1.2~P4 module with the same series.

- **Efficient Installation,Front Maintenance**
- **Support 45° cut angle, 90° splicing programmatic ***
- **Supports dual backup of power and signal***
- **Support XYZ six adjustments***
- **Support cut half cabinet program (320*480mm)***



(Greatest) Thickness: 60mm Weight: 7.8kg



Note: Drawings are for reference only.

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SPECIFICATION PARAMETERS:

	Parameter	Value
Module	Pixel Pitch	1.86mm
	LED Type	Fully flip chip COB
	Module Resolution（W×H）	172X86
	Pixel density（pixels/sq.m.）	295664 dot/㎡
	Module Size (WxH)	W320mmxH160mm
Cabinet	Cabinet Size (WxHxD)	640mmx480mmx60mm（With Back Cover）
	Cabinet Weight (kg/panel)	7.8 kg
	Maintenance	Full front maintenance
	Ingress Protection	IP30
	Planeness	≤0.5mm
	Cabinet Material	Die-casting Aluminum
Optical	Single-dot Brightness Calibration	Support
	Brightness	600 cd/㎡
	Color Temperature	2000K ~ 9300K Adjustable
	Beam Angle（Hor/Ver°）	160°/140°
	Brightness/Color Uniformity	≥98%
	Contrast Ratio	5000:1
Electroni	Input Power <Max>	488 W/㎡
	Input Power <Typical>	146 W/㎡
	Power Supply Input Voltage	AC200-240V，Frequency 47-63(Hz)
Performance	Frame Changing Frequency	60Hz
	Refresh Rate	3840Hz
	Processing Depth	12~14Bit
	Video Support	2K、4K
Environm	Life Span（hrs）	100000hrs
	Working Temp/Humidity（℃/RH）	-20℃~45℃ / 10%~60%RH (No Condensation)
	Storage Temp/Humidity（℃/RH）	-20℃~50℃ / 10%~65%RH (No Condensation)
	Certification	CE/CB/ROHS/EAC/CCC/BS476-7

Note:

1.Product pictures are for illustration only, the actual product effects (including but not limited to appearance, color, size) may be slightly different, please refer to the actual product.

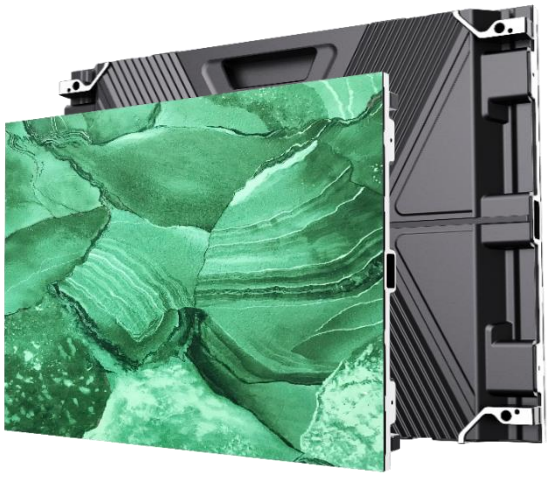
2.The specification parameters are reference values. Part of the data comes from factory' s internal laboratory and is obtained under a specific test environment. In actual use, it may be slightly different due to product batch differences, configuration differences, software versions, use conditions and environmental factors. Actual usage shall prevail.

3. Different configurations can achieve different refresh rates.

MAGICVIU

Visual 2.5

Priority for Indoor Commercial Display



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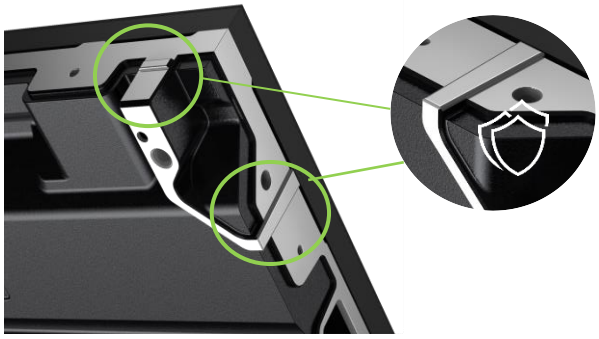

- **High precision**

  Cabinet CNC machining size tolerance ± 0.05mm can be seamless splicing, flatness ≤ 0.2mm.

- **High Brightness ,High Contrast，High Refresh**

  Standard brightness ≥ 600nit, refresh rate up to 5000:1 , Standard 3840Hz.

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  Replace the indoor P1.2~P4 module with the same series.

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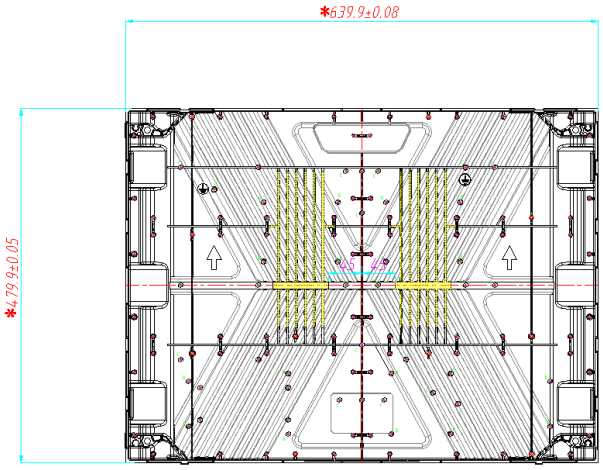
(Greatest) Thickness: 60mm Weight: 7.8kg



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SPECIFICATION PARAMETERS:

	Parameter	Value
Module	Pixel Pitch	2.5mm
	LED Type	SMD2121
	Module Resolution（W×H）	128X64=8192 Pixels
	Pixel density（pixels/sq.m.）	160000 dot/㎡
	Module Size (WxH)	W320mmxH160mm
Cabinet	Cabinet Size (WxHxD)	640mmx480mmx60mm（With Back Cover）
	Cabinet Weight (kg/panel)	7.8 kg
	Maintenance	Full front maintenance
	Ingress Protection	IP30
	Planeness	≤0.5mm
	Cabinet Material	Die-casting Aluminum
Optical	Single-dot Brightness Calibration	Support
	Brightness	600-800 cd/㎡
	Color Temperature	2000K ~ 9300K Adjustable
	Beam Angle（Hor/Ver°）	140°/140°
	Brightness/Color Uniformity	≥98%
	Contrast Ratio	5000:1
Electroni	Input Power <Max>	488 W/㎡
	Input Power <Typical>	146 W/㎡
	Power Supply Input Voltage	AC200-240V，Frequency 47-63(Hz)
Performance	Frame Changing Frequency	60Hz
	Refresh Rate	3840Hz
	Processing Depth	12~14Bit
	Video Support	2K、4K
Environm	Life Span（hrs）	100000hrs
	Working Temp/Humidity（℃/RH）	-20℃~45℃ / 10%~60%RH (No Condensation)
	Storage Temp/Humidity（℃/RH）	-20℃~50℃ / 10%~65%RH (No Condensation)
	Certification	CE/CB/ROHS/EAC/CCC/BS476-7

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3. Different configurations can achieve different refresh rates.

MAGICVIU

Beast Series

OUTDOOR

480*320 common positive module with profile aluminum box

Ultra-thin

Fast heat dissipation

High strength

Easy to install

High precision

Easy to maintain

Cabinet Appearance

Exquisite appearance, standardized cabinet, excellent processing technology

Greatly improves installation speed and display stability, making maintenance more convenient and safer

Aluminum chassis

Ultra-high-definition visual enjoyment

High resolution, stable display

Every detail is clearly visible, and the screen displays no ghosting or flickering

After

Before

MAGICVIU

Support front and rear dual maintenance

Double maintenance, simple operation, quick installation and maintenance

Truly save worry, effort and time

Waterproof and dustproof

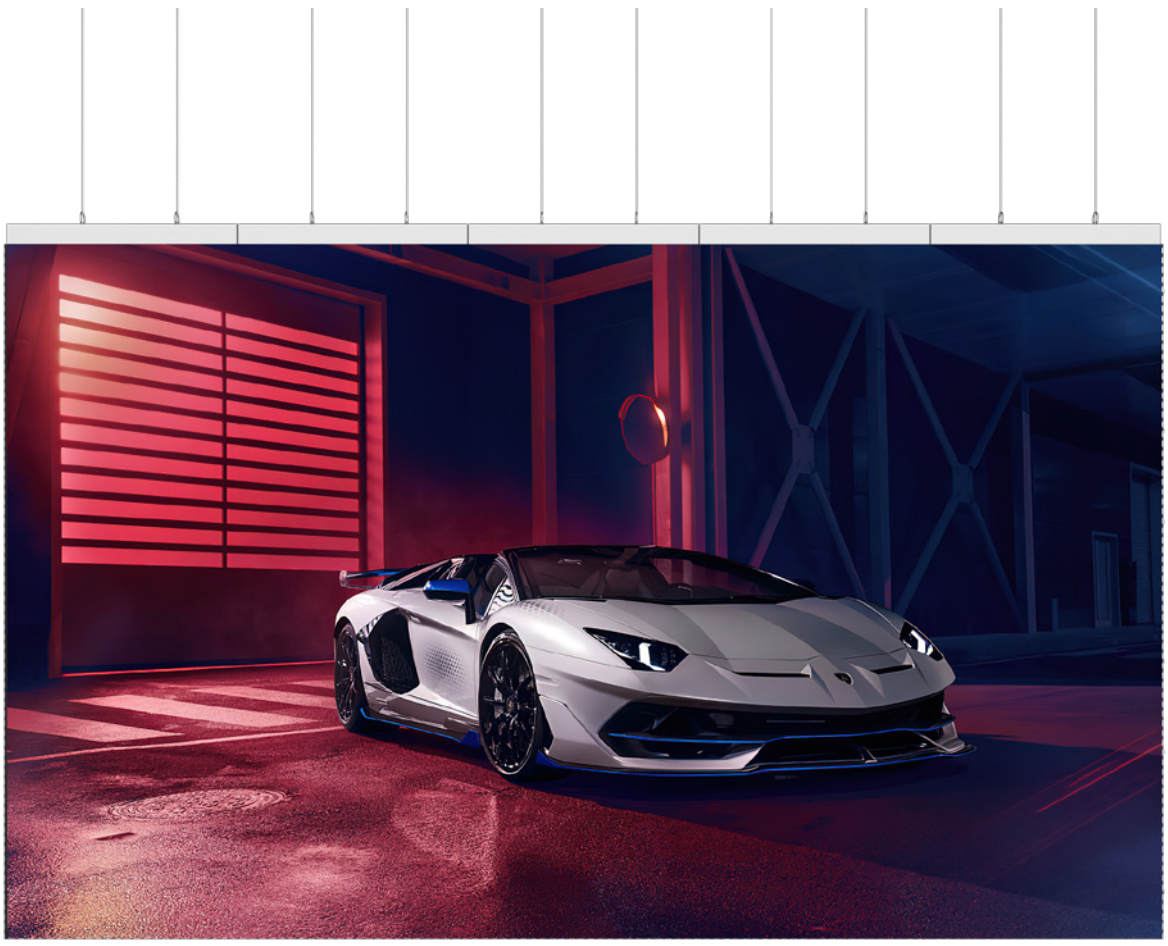
Waterproof and dustproof design, protection level front/rear IP65+

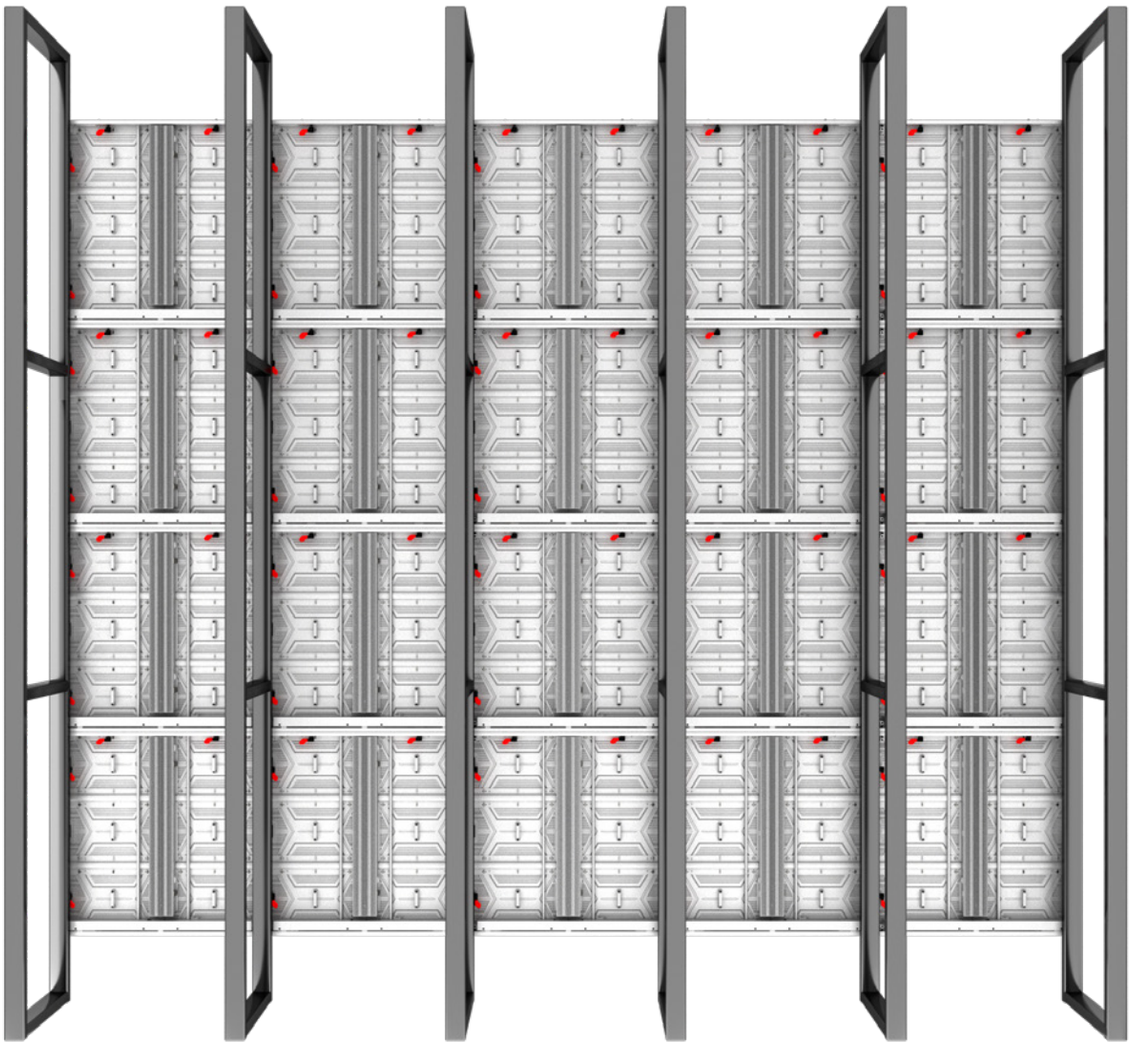
Able to resist wind and rain erosion and dust pollution, suitable for various outdoor environments

Modeling display

Quick, convenient and flexible installation

Support multiple installation methods and seamless splicing technology





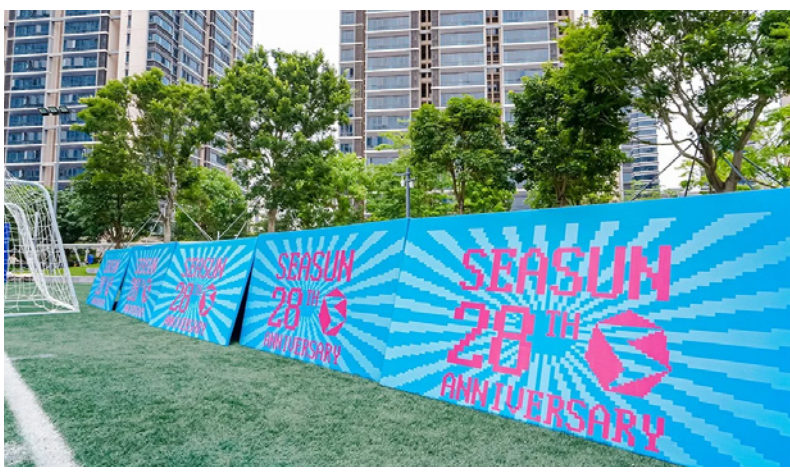
Flight Case packaging 6 in 1 or 8 in one available

=

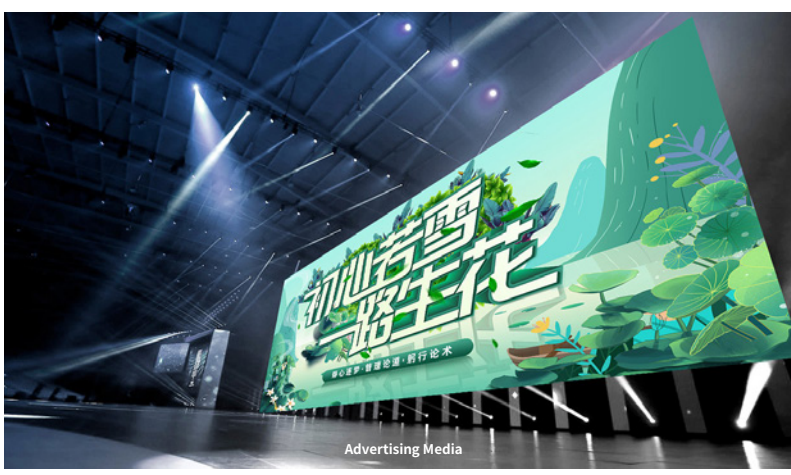
x6/8pcs

Application

Shopping mall promotion



Square Display

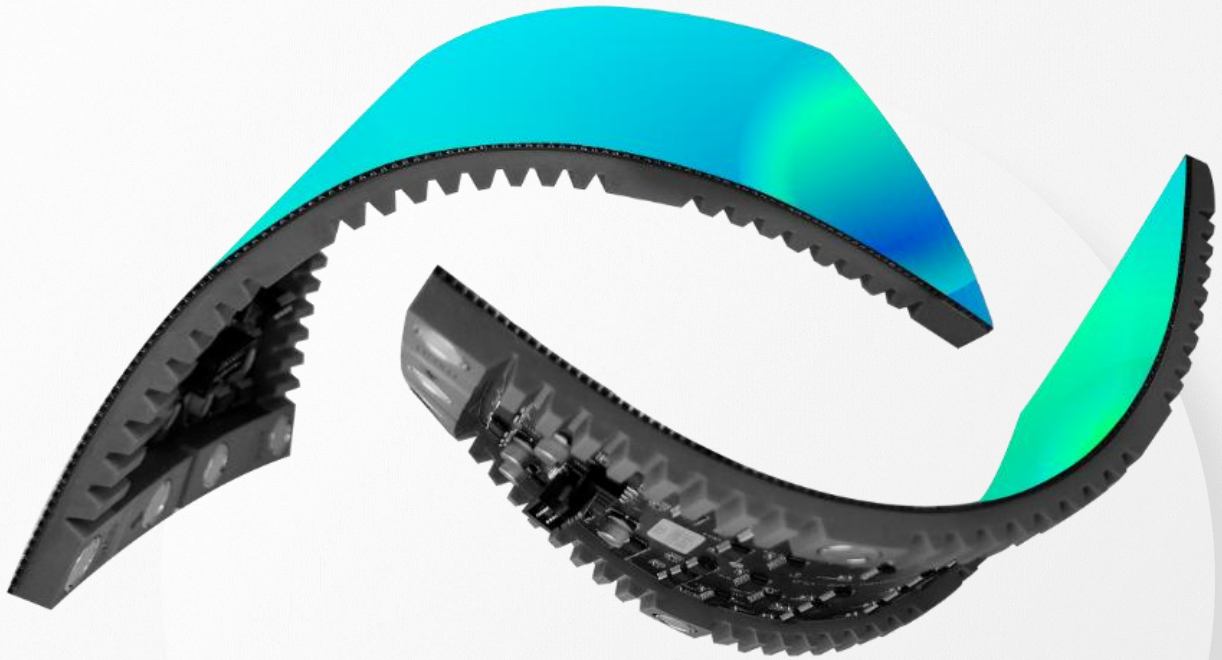

Advertising Media

MAGICVIU

Specifications

Product Model	P4.44	P5.71	P6.66	P8	P10
Pixel pitch	4.44mm	5.7mm	6.66mm	8mm	10mm
Pixel composition	SMD1415	SMD2727	SMD2727	SMD3535	SMD3535
Pixel density	50625dot/㎡	30625dot/㎡	22500dot/㎡	15625dot/㎡	10000dot/㎡
Module size	480*320mm	480*320mm	480*320mm	480*320mm	480*320mm
Module resolution	108*72 dots	84*56 dots	72*48 dots	60*40 dots	48*32dot
Box size	960*960*96mm	960*960*96mm	960*960*96mm	960*960*96mm	960*960*96mm
Cabinet resolution	216*216dot	168*168dot	144*144dot	120*120dot	96*96dot
Box weight	⩽26.5kg	⩽26.5kg	⩽26.5kg	⩽26.5kg	⩽26.5kg
Waterproof level (front/rear)	IP65	IP65	IP65	IP65	IP65
brightness	> 5500/7500 CD/㎡	> 5500/ 7500 CD/㎡	> 6000/8000 CD/㎡	> 6000/8000CD/㎡	> 6000/8000 CD/㎡
Scanning method	1/9S	1/7S	1/6S	1/5S	1/2S
Refresh rate	⩾3840HZ	⩾3840HZ	⩾3840HZ	⩾3840HZ	⩾3840HZ
Viewing Angle(H/V)	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°
Viewing distance	＞5m	＞7m	＞8m	＞10m	＞12m
Grayscale	14bit	14bit	14bit	14bit	14bit
Color Type	16.7M	16.7M	16.7M	16.7M	16.7M
Brightness adjustment	0-100 levels adjustable				
Maximum Power	800W/㎡	800W/㎡	800W/㎡	800W/㎡	800W/㎡
Average Power	320W/㎡	320W/㎡	320W/㎡	320W/㎡	320W/㎡
Usage Environment	OUTDOOR	OUTDOOR	OUTDOOR	OUTDOOR	OUTDOOR
Input Power	AC100~240 50/60HZ				
Operating temperature	- 20℃~+50℃	- 20℃~+50℃	- 20℃~+50℃	- 20℃~+50℃	- 20℃~+50℃
Operating humidity	10~95% RH	10~95% RH	10~95% RH	10~95% RH	10~95% RH

MAGICVIU



Indoor Limber Series Flexible Module Introduction

Shape It in Ever-changing Styles

Contents

Indoor Limber series flexible module

1 Product appearance

2 Product features

3 Specifications

4 Product cases

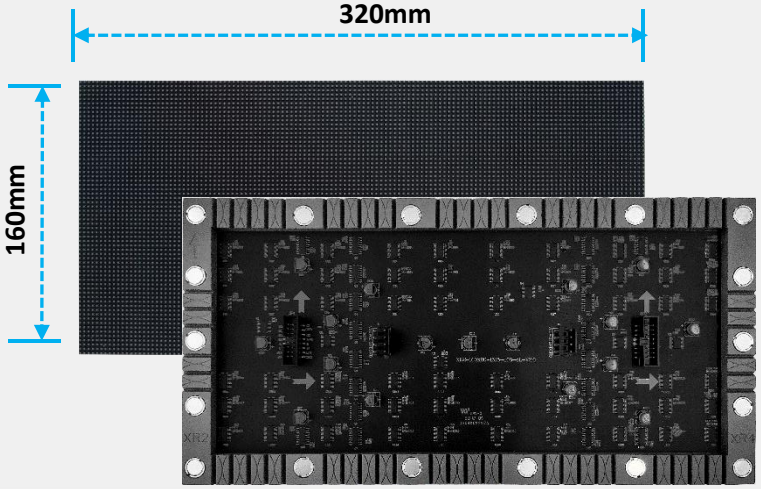
MAGICVIU

PART

01

Layout & Appearance

Appearance



Standard 3840Hz
Matching 1920Hz

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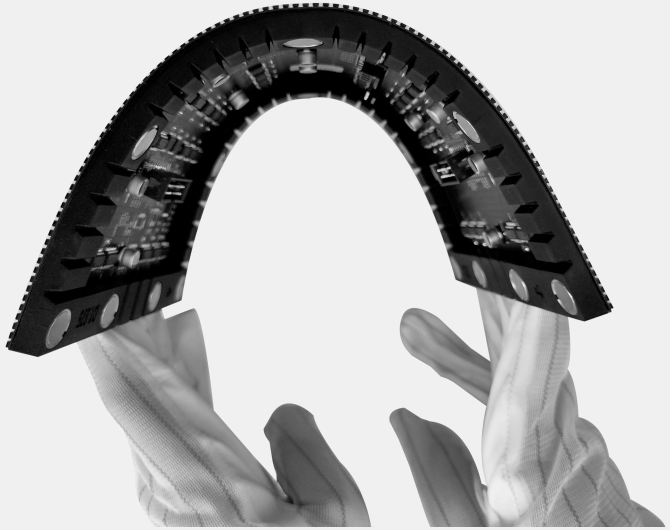
PART

02

Product Feature

Features-Flexible Modeling

Arbitrary surface, free artistic modeling



U-shaped

Inward bend

Outward bend

High flexibility, bendable arc up to 120°, transformation into any shape needed.

Note:Center and diagonal curvature: with the long side as the central axis.

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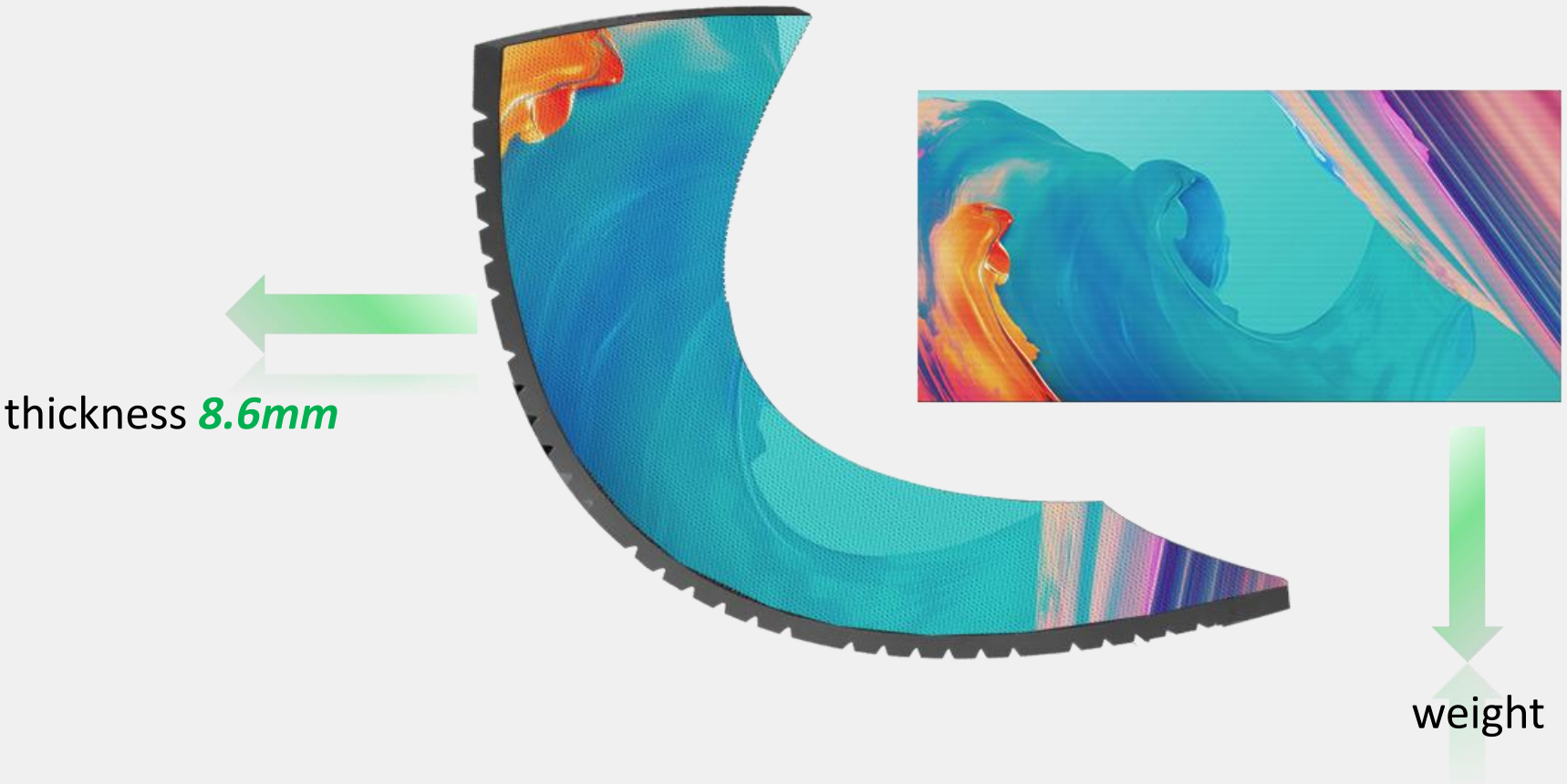
Features-Small And Light

Scientific design, extremely thin, modern and generous, the thickness of the unit board is only 8.6mm, saving installation space.



Features-Rubber Bottom Shell

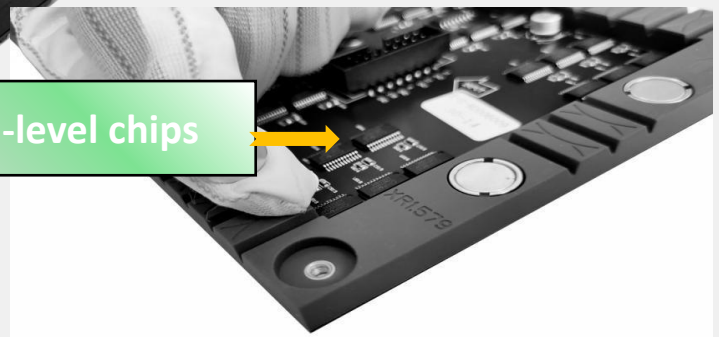
Selected high-quality rubber materials, integrated with advanced technology and proprietary processing provides strong flexibility and bendability ≥ 120 °.

High-quality rubber

Improved magnets

The magnet can be rotated to adjust the height angle, magnetic force is increased by 80%, providing new level of stability and avoiding module fall.

High-level chips



Copper screw hole

Adjustable flatness , PCB is protected from short circuit .

Using world-class chip manufacturers, LED diodes are produced by domestic first-line brands, ***pure copper lamp wire, or pure gold wire (can be customized).***

MAGICVIU

Features-DIY As You Want

Easy creation of cylindrical screens, wave screens, ring screens, and streamer screens.
Shape of the screen is limited only by imagination.

Cylindrical screen

Circular screen

Streamer screen

Sphere screen

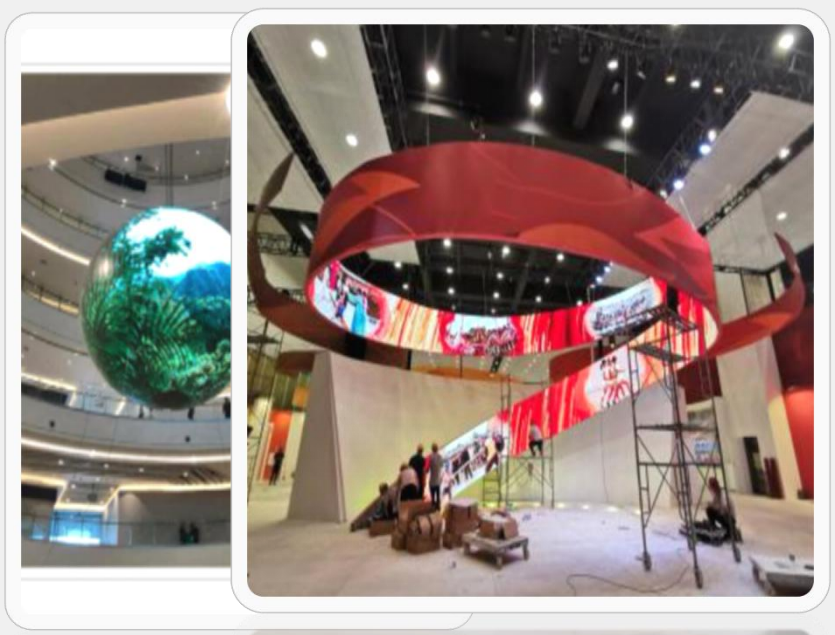
Regular screen

Various effects such as rolling, bending or any other metamorphose can be realized according to customer needs.

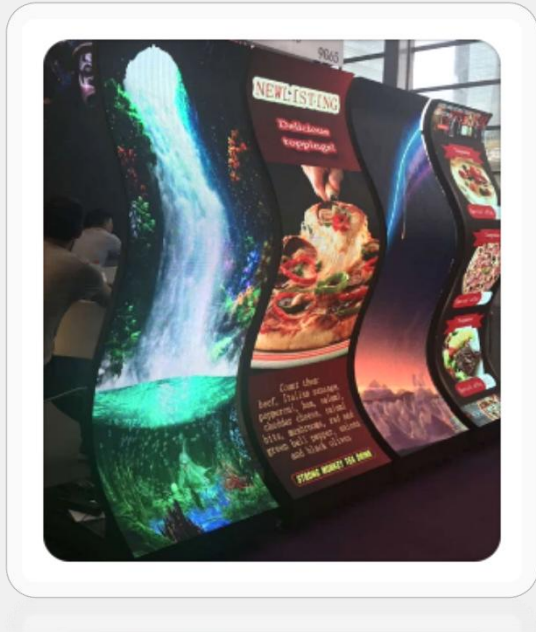
Features-Convenient Installation

Easy installation, robust magnets helps realize efficient installation, firm adherence.

Embedded installation



Hoisting installation



Stacking installation

MAGICVIU

PART

03

Specifications

Parameters(320*160mm)

	Model	P1.25	P1.538	P1.86	P2	P2.5	P3.076
Module parameters	Pixel encapsulation	SMD1010	SMD1212	SMD1515	SMD1515	SMD1515	SMD2121
	Pixel pitch	1.25mm	1.538mm	1.86mm	2mm	2.5mm	3.076mm
	Module resolution (WxH)	256x128	208x104	172x86	160x80	128x64	104x52
	Module size(WxH)	320x160mm					
	Module weight(kg)	0.283±0.01	0.283±0.01	0.298±0.01	0.27±0.01	0.25±0.01	0.35±0.01
	The curvature of the center and diagonal	≥120°	≥120°	≥120°	≥120°	≥120°	≥120°
Optical parameters	White balance brightness (nits)	500 CD/㎡					
	Standard color temperature (K)	3000~10000K Adjustable					
	Viewing angle (Hor°/Ver°)	140°/140°					
	contrast	3000:1					
Electronic parameters	Maximum power consumption(W/㎡)	415W/㎡	313W/㎡	391W/㎡	293W/㎡	328W/㎡	430W/㎡
	Average power consumption(W/㎡)	125W/㎡	94W/㎡	117W/㎡	89W/㎡	98W/㎡	129W/㎡
	Power supply requirements	AC90~132V/AC186~264V，47-63 (Hz)					
	Frame change rate (Hz)	60Hz					
Performance parameters	Drive mode	64 Scan	52 Scan	43 Scan	40 Scan	32 Scan	26 Scan
	Refresh rate (Hz)	3840Hz					
	Number of color processing bits (bits)	14 Bit					
	Lifespan (HRS)	100,000H					

MAGICVIU

PART

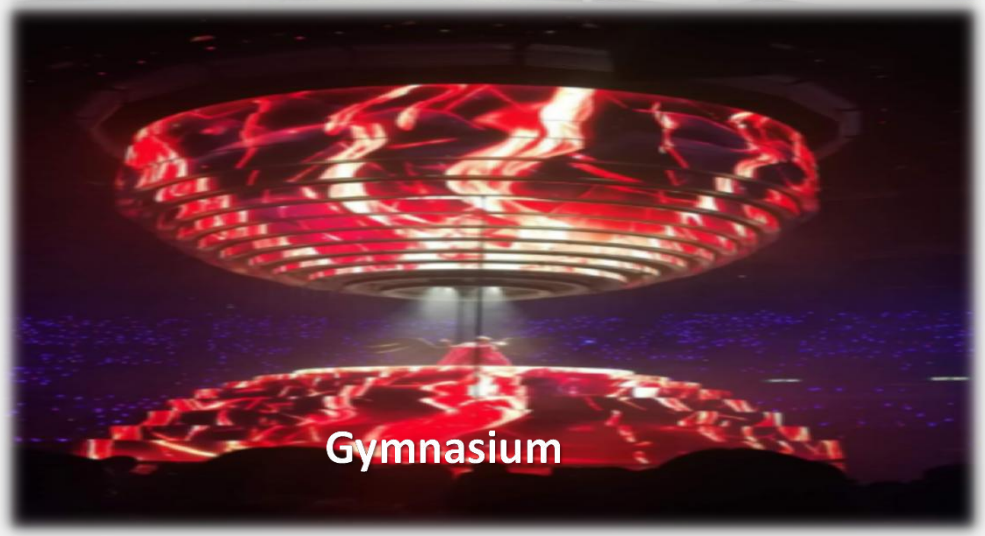
04

Application Cases

Application cases

Government Affairs Center

Mall (FFP2.5)


Gymnasium

Duty-free shops

(FFP2.5~3)