



LED DISPLAY

LED DISPLAY INTO ART WENGO TO CREATE PERFECT VISION

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Wengo Smart Display (SZ) Technology Company Limited

CATALOGUE

Indoor small pitch display

Indoor full color display

Indoor transparent display

LED soft film screen

Outdoor energy-saving display

Outdoor grille screen

Outdoor rental display

LED crystal film screen

LED floor tile screen

Photoelectric glass screen

Smart all in one LED display

Indoor HD display screen

Holographic smart 3D transparent cabinet

Indoor rental display

COB LED display

CATEGORY

Smaller Pixel Better Vision

Indoor Small Pitch Display



Indoor Small Pitch Display

WENGO Z-MINI Series - Indoor Small Pitch

High-definition display, High refresh rate, High gray scale.

Low power consumption, No residual image.

Give viewer more distinct, better colour, higher contrast vision experience in indoor.

Application: studio, security monitoring, exhibition, commercial retail and traffic etc.



High definition



Front maintenance



High refresh rate



Fast installation



Wide viewing angle



Silent operation



High gray

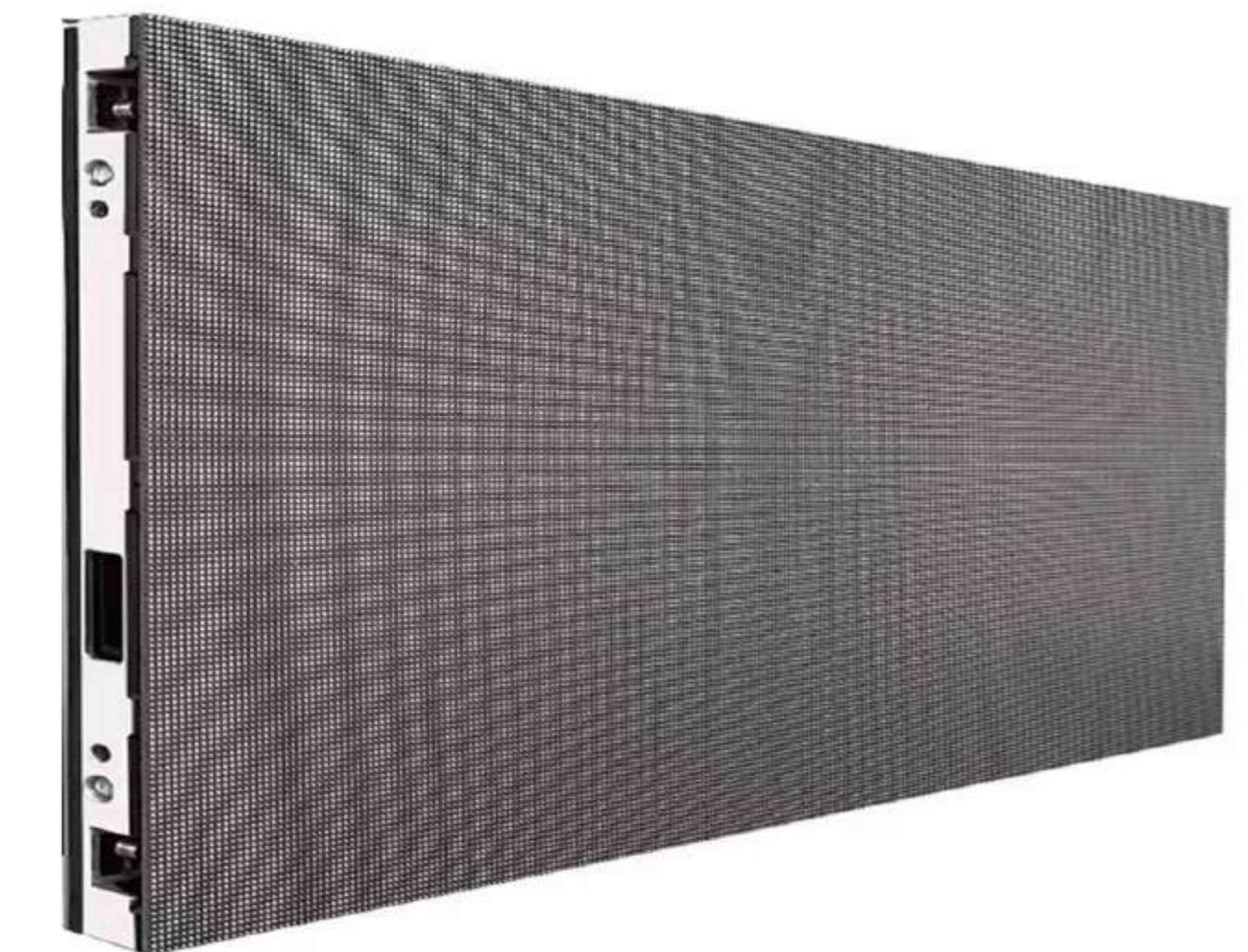
Product Overview

High precision and lighter cabinet with CNC die-casting aluminum.

Wall-mounted installation no need to reserve maintenance channel.

Cabinet size 600mm*337.5mm, display ratio 16:9.

Free splicing with different size and resolution.



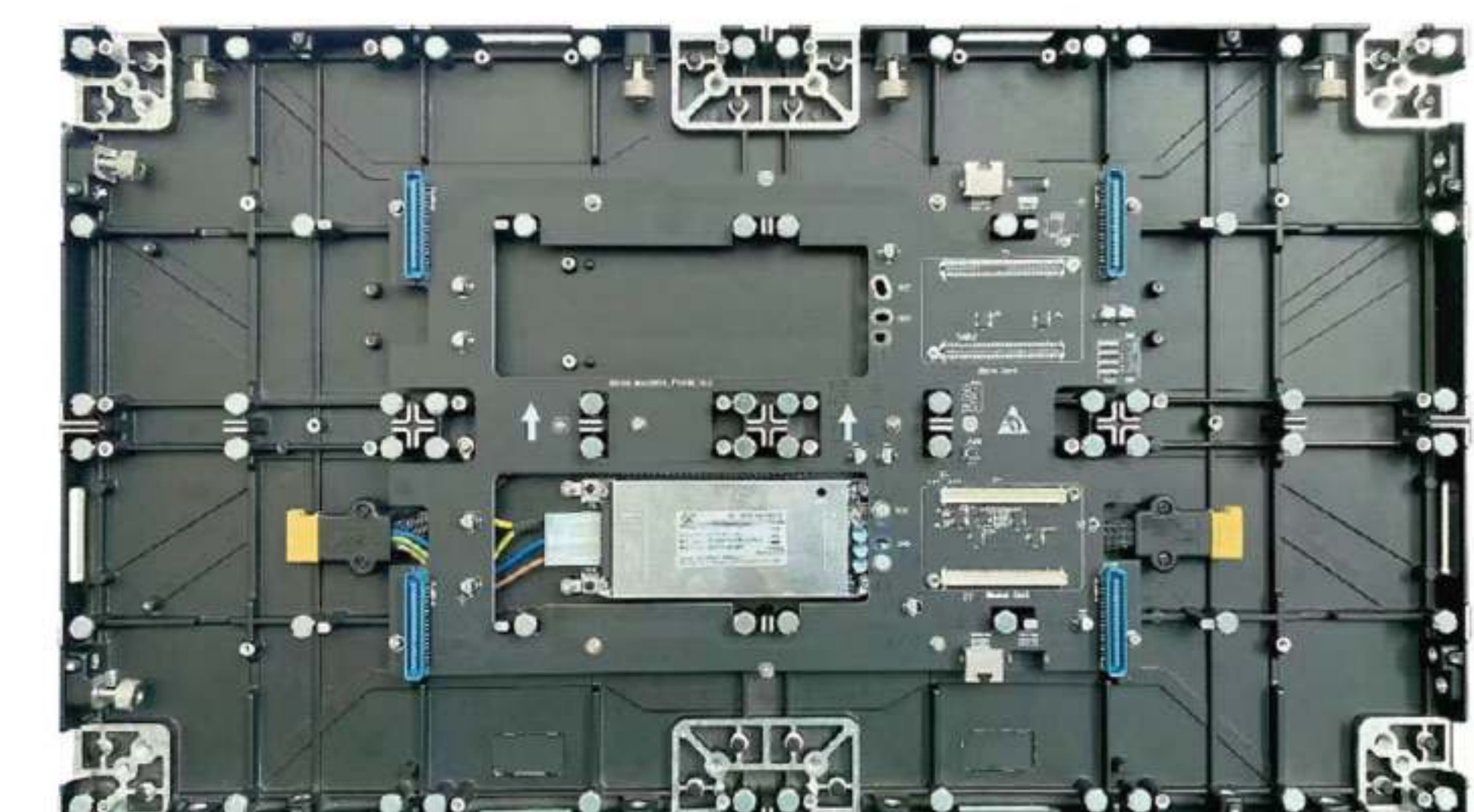
Product Characteristics

1. Protection: Internal electronic components are protected with external interference.

2. Easy Installation:

Fixed module, receiving card, power supply and all components.

Fixed the external frame structure or steel structure, multiple installation methods.



Case Picture



Product Parameter

Model	P0.78	P0.93	P1.25	P1.56	P1.875
Pixel pitch	0.78125	0.9375	1.25	1.5625	1.875
LED type	4-in-1	4-in-1	SMD1010	SMD1010/1212	SMD1010/1515
Beam angel (Hor"/Ver")	170°	170°	170°	170°	170°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density (pixels/㎡)	1638400	1137778	640000	409600	284444
Scan mode	1/48	1/46	1/45	1/48	1/45
Color gray level (Bit)	16	16	16	16	16
Brightness(nits)	600	600	800	800	800
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequ-ency	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate (Hz)	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V
Max. power consu- mption (W/sqm)	420W	420W	420W	420W	420W
Weight	7kg/cabinet	7kg/cabinet	7kg/cabinet	7kg/cabinet	7kg/cabinet
Operation life	>100,000H	>100,000H	>100,000H	>100,000H	>100,000H
IP rating	IP31	IP31	IP31	IP31	IP31
Fire rating	V0	V0	V0	V0	V0
Module resolution	192*216	320*180	240*135	192*108	160*90
Module size	150*168.75mm	150*168.75mm	150*168.75mm	150*168.75mm	150*168.75mm
Cabinet size	600*337.5mm	600*337.5mm	600*337.5mm	600*337.5mm	600*337.5mm

Perfect Picture Quality, Perfect Vision



Indoor Led Full Color Display

Indoor Led Full Color Display

WENGO Z-Indoor Series - Indoor LED Full-Color Display

High definition resolution,High refresh rate,High color gray scale.

Low power consumption, No residual image.

Application: conference room, exhibition ,mall, stadium etc.



Product Overview

Less space with high precision and ultra-thin CNC die-casting aluminum cabinet.

Wall-mounted installation no need to reserve maintenance channel.

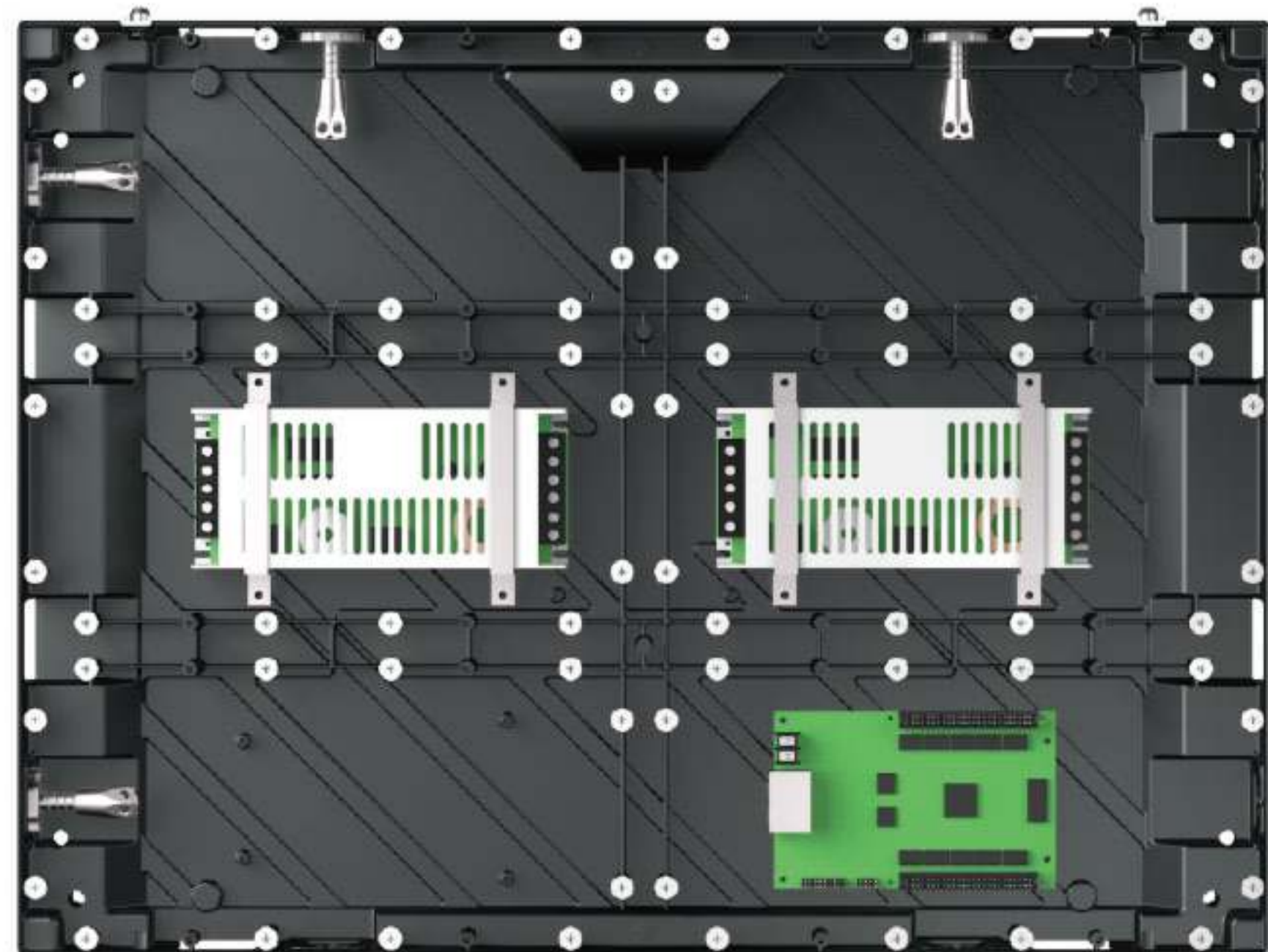
Cabinet size: 640mm*480mm,4:3 display ratio.

Free splicing with different size and resolution.



Product characteristics

- 1. Protection: Internal electronic components are protected from external interference.
 - 2. Easy Installation
- Fixed module, receiving card, power supply and all components.
- Fixed the external frame structure or steel structure, many installation methods.



Case Picture



Product Parameter

Model	P1.25	P1.53	P1.667	P1.86	P2	P2.5
Pixel pitch	1.25	1.53	1.667	1.86	2	2.5
LED type	SMD1010	SMD1212	SMD1212	SMD1212	SMD1515	SMD1515
Beam angle (Hor°/Ver°)	160°	160°	160°	160°	160°	160°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density (pixels/ m²)	640000	422500	360000	288906	250000	160000
Scan mode	1/64	1/52	1/ 48	1/32	1/32	1/32
Color gray level (Bit)	16	16	16	16	16	16
Brightness(nits)	600	600	800	800	800	1000
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequency	60FPS	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate (Hz)	3840	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V	DC5V/24V
Max. power consumption (W/sqm)	600W	600W	600W	600W	600W	600W
Weight	8kg/m²	8kg/m²	8kg/m²	8kg/m²	8kg/m²	8kg/m²
Operation life	> 100 ,000H	> 100 ,000H	> 100 ,000H	> 100 ,000H	> 100,000H	> 100,000H
IP rating	IP31	IP31	IP31	IP31	IP31	IP31
Fire rating	V0	V0	V0	V0	V0	V0
Module resolution	256*128	208*104	192*96	172*86	160*80	128*64
Module size	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm



Indoor Rental Display

WENGO Z-LEASE Series - Indoor Rental Display

One person can install with flexibility, thin and fast cabinet design.

Small size, low power consumption, long time operation life, low heat dissipation etc.

Application: concert, sport event, exhibition, commercial promotion, conference, celebration, other temporary or long-term event.



High definition



Front maintenance



High refresh rate



Fast installation



Wide viewing angle



Silent operation



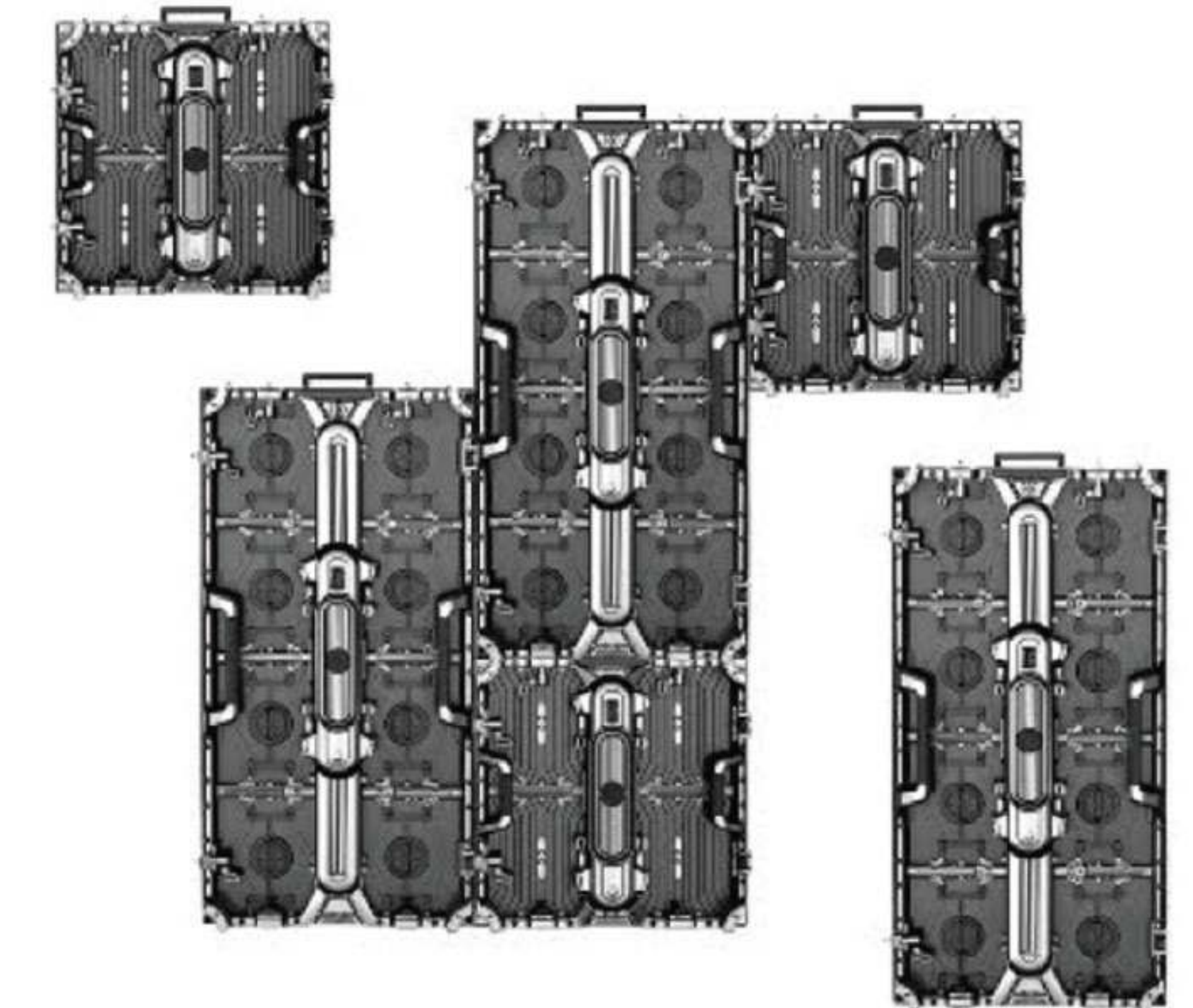
High gray

Product Overview

Lighter weight save transportation and installation cost.

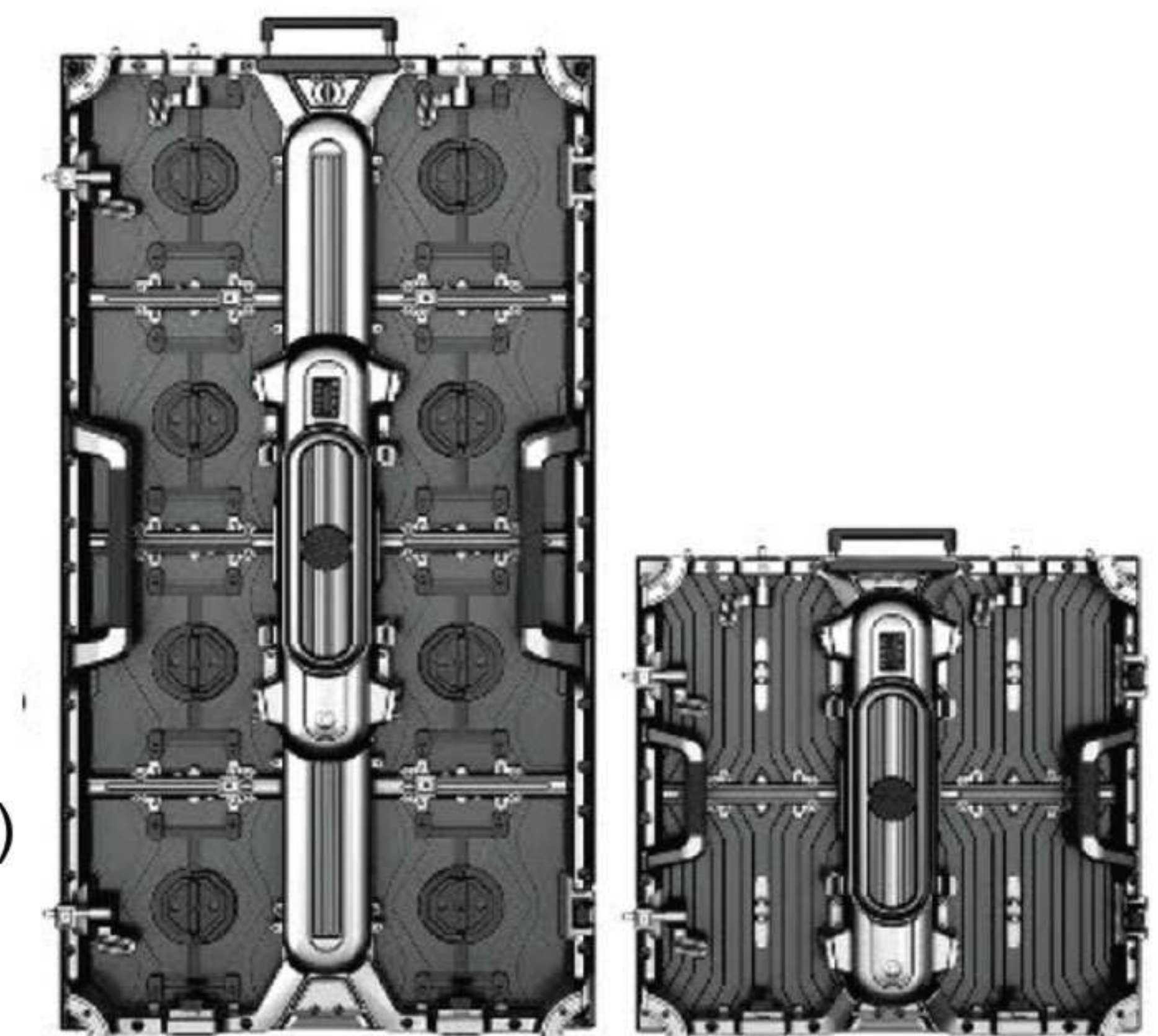
Many handles for easy installation.

Connector safety protection.



Product Characteristics

1. Front and rear maintenance.
2. Vivid and realistic vision with unique color enhancement technology.
3. High refresh rate and color gray scale.
4. High-precision cabinet (cabinet flatness $\leq 0.1\text{mm}$) with CNC die-casting aluminum cabinet structure design.



Case Picture

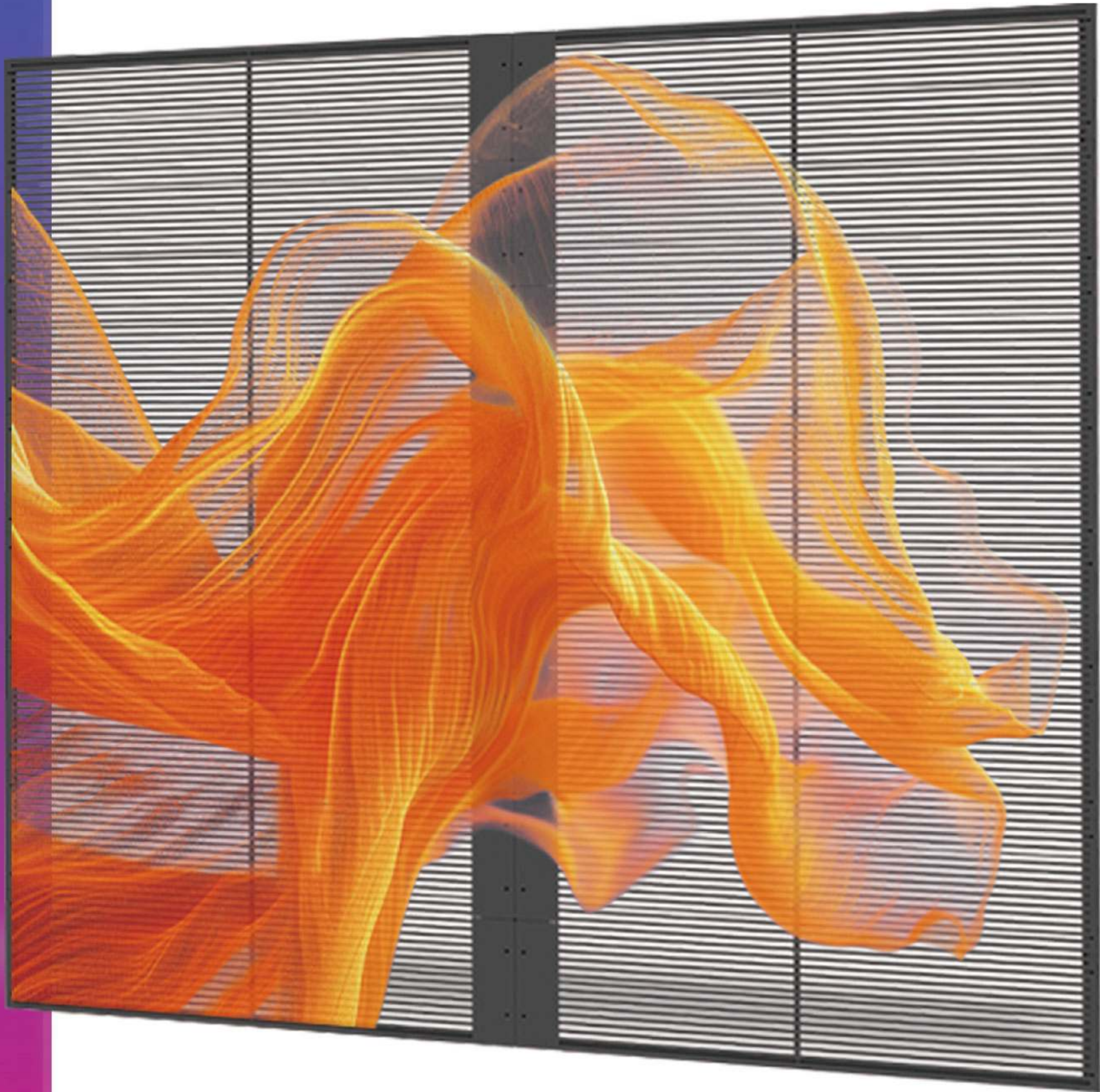


Product Parameter

Model	P1.5625	P1.95	P2.604	P2.976	P3.91	P4.81
Pixel pitch	1.5625	1.95	2.604	2.976	3.91	4.81
LED type	SMD1212(GOB)	SMD1515	SMD1515	SMD1515	SMD2020	SMD2020
Beam angle(Hor”/Ver”)	160°	160°	160	160°	160°	160°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density(pixels/㎡)	409600	262984	147679	112910	65410	43222
Scan mode	1/40	1/32	1/32	1/28	1/16	1/13
Color gray level(Bit)	16	16	16	16	16	16
Brightness (nits)	600	800	800	800	1000	1000
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequency	60FPS	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate(Hz)	3840	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V	DC5V
Max.power consumption (w/sqm)	600W	600W	600W	600W	600W	600W
Weight	13kg/㎡	13kg/㎡	13kg/㎡	13kg/㎡	13kg/㎡	13kg/㎡
Operation life	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H
IP rating	IP31	IP31	IP31	IP31	IP31	IP31
Fire rating	V0	V0	V0	V0	V0	V0
Module resolution	160*160	128*128	96*96	84*84	64*64	52*52
Module size	250*250mm	250*250mm	250*250mm	250*250mm	250*250mm	250*250mm
Cabinet size	500*1000mm	500*1000mm	500*1000mm	500*1000mm	500*1000mm	500*1000mm

65%-85%Transparency Rate, Vivid Display

Indoor Transparent Display



Indoor Transparent Display

WENGO Z-TUROUGH Series-Indoor Transparent Display

Light transmission, light and thin, transparent, high definition, easy installation etc.

1000*1000mm, 1000*500mm, 500*500mm cabinet.

65%-85% transparation rate with hollow type design.

Application: shopping mall, glass curtain wall, ceiling, obersevation elevator, store window, bar etc.



High transpiration



Good heat dissipation



Light and thin



Super brightness



Customize



Front and rear maintenance



High refresh rate



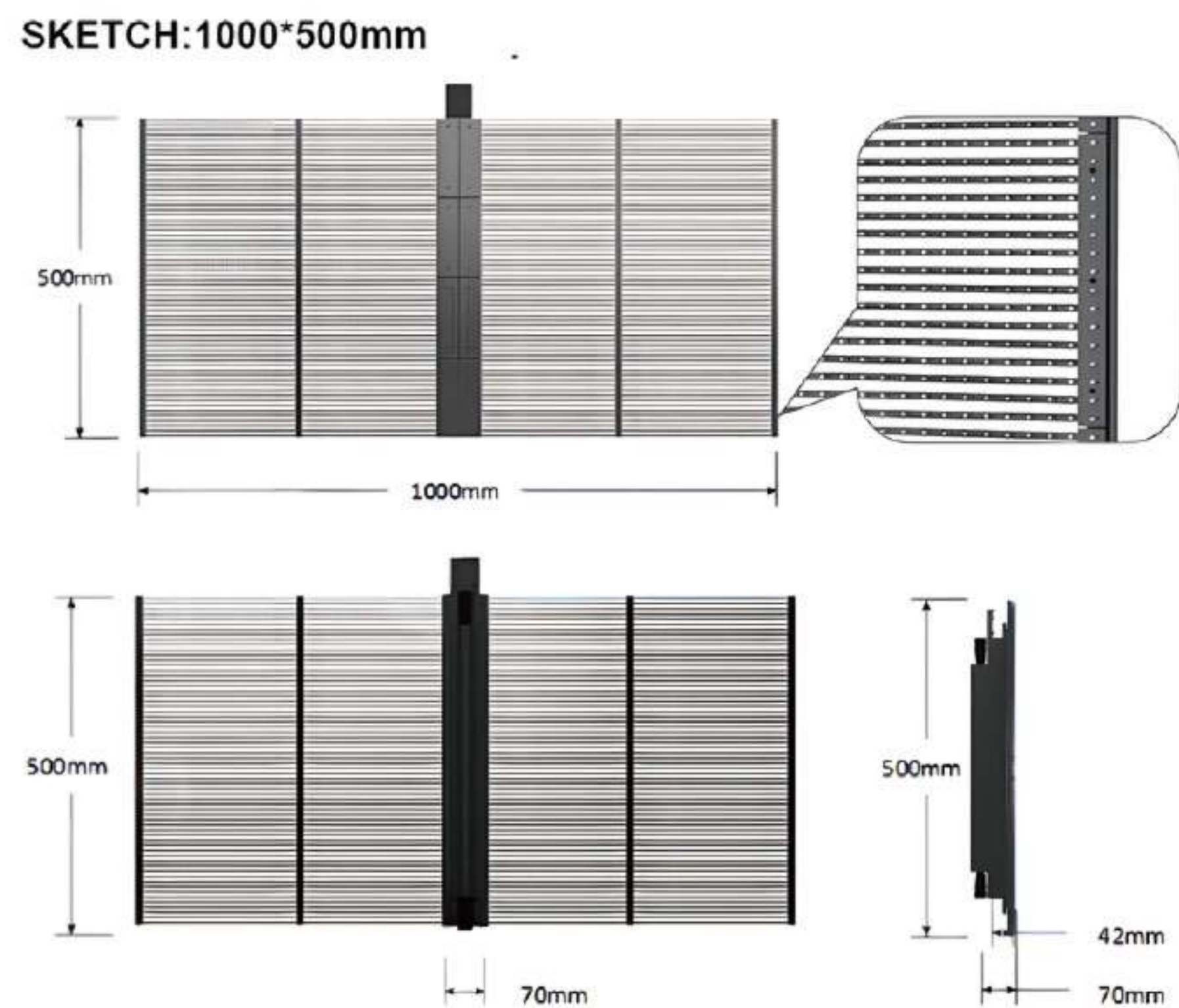
Wide viewing angle

Product Overview

Can splice to different shape and size with standad 1000X500mm cabinet.

Perfect vision with instnct image and no image compression , easy installation.

Top choice of ceativity vitrine LED Display.



Product characteristics

More than 75% transparency rate.

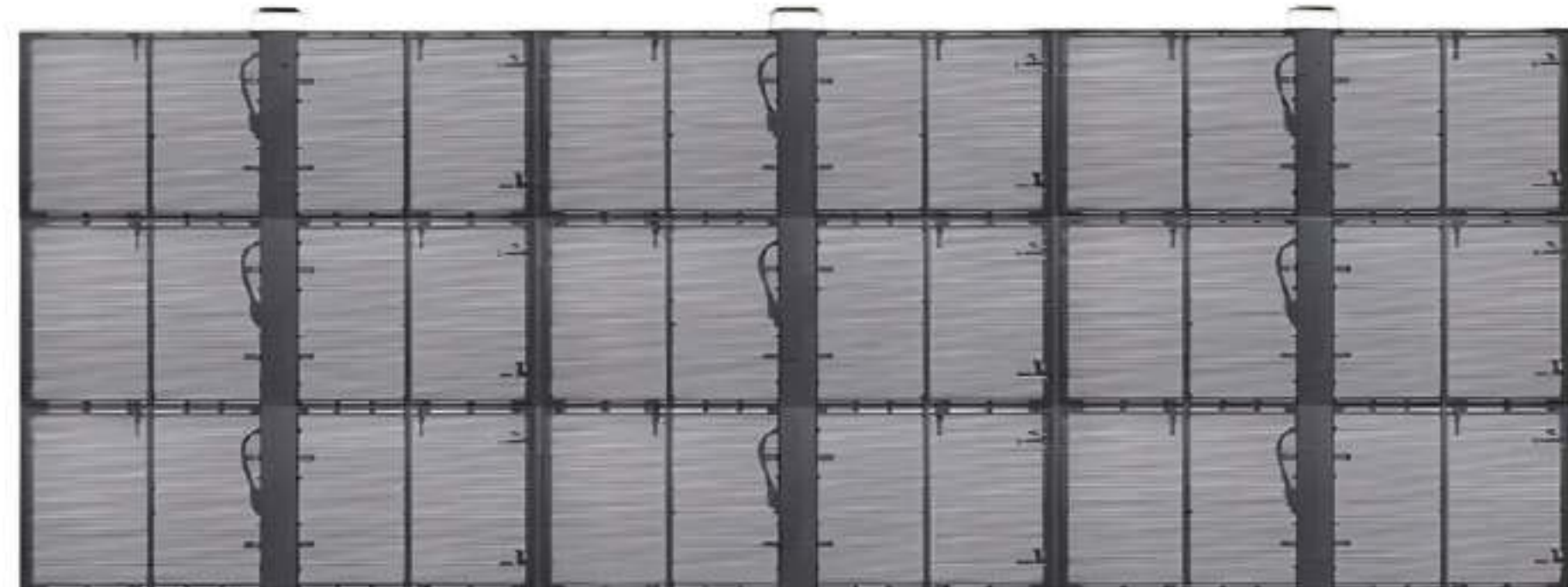
1080P resolution ,5000:1 contrast,3840Hz refresh rate.

High color gray level,adjustable brightness.

Seamless splicing:easy installation and maintenance.

Ultra-thin cabinet only 12kg m²

Wireless connectivity to smartphone and tablet PC.



Case picture



Product Parameter

Model	P2.6-5.2	P2.8-5.6	P2.9-6.2	P3.9-7.8	P7.8-7.8
Pixel pitch	2.653	2.856	2.856	3.91	7.81
LED type	SMD1921	SMD1921	SMD1921	SMD1921	SMD1921
Beam angel(Hor"/Ver")	160°	160°	160°	160°	160°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density(pixels/ m²)	73728	61952	53760	32768	16384
Scan mode	1/12	1/11	1/14	1/8	1/4
Color gray leve(Bit)	16	16	16	16	16
Brightness(nits)	800	800	1000	800	800
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequency	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate (Hz)	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V
Max power consumption	600W	600W	400W	600W	600W
Weight	12kg/m²	12kg/m²	12kg/m²	12kg/m²	12kg/m²
Operation life	>100,000H	>100,000H	>100,000H	>100,000H	>100,000H
IP rating	IP43	IP43	IP43	IP43	IP43
Fire rating	V0	V0	V0	V0	V0
Module pixel	192*24	176*22	42*80	128*16	64*16
Module size	500mm*125mm	500mm*125mm	500mm*125mm	500mm*125mm	500mm*125mm

Display, Not Only Flatness

Led Soft Film Screen



LED Soft Film Screen

WENGO Z-SOFT Series Flexible Screen

Flexibility and deformability with the flexible light panel design, bending Angle $>135^\circ$.

Fit for cylindrical screen, wave screen, streamer screen, other artistic shape.

Anti-static electricity with the soft back design.

Better flatness and strong Magnetism with magnet hollow type design.

No residual image with 3840Hz refresh rate.

Higher reliability and stability with distributed scanning and modular design.



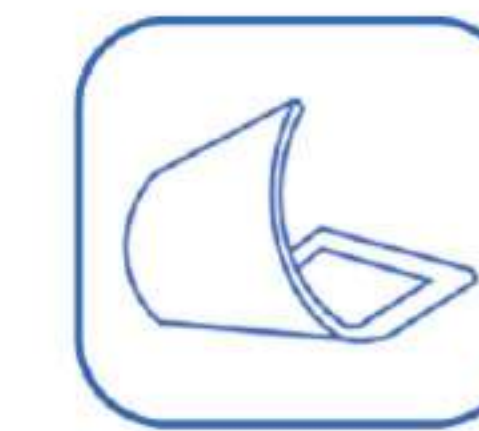
Anti-glue



Flatness



High definition



Flexibility



High contrast

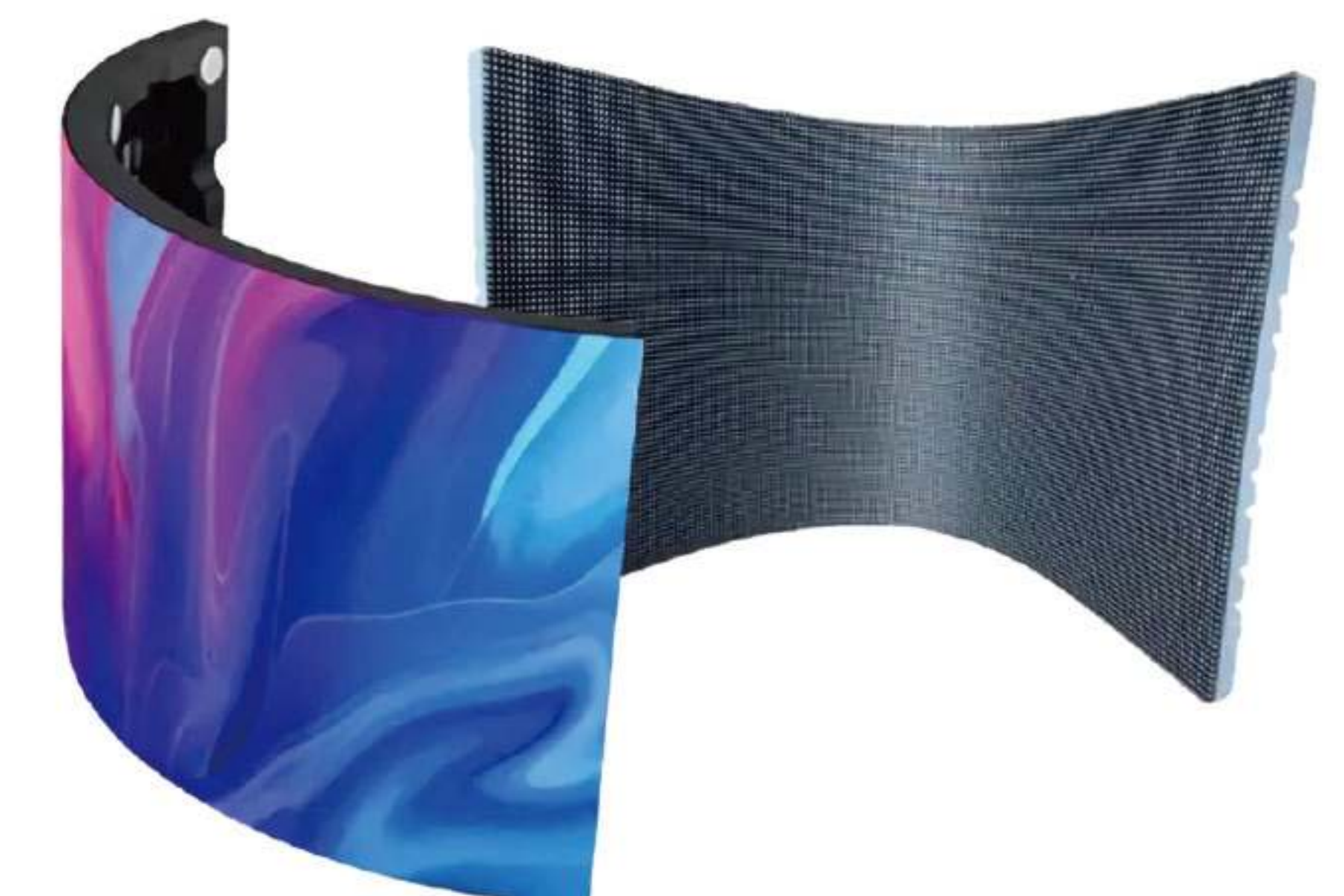


Wide viewing angle

Product Overview

Top of customization: any curved or cylindrical shape can be customized.

Ultra-thin, easy to bend, inner diameter $\leq 30\text{cm}$, for cylindrical splicing.



Product Characteristics

1. Perfect splicing with unique installation mode (splicing flatness $\leq 0.1\text{mm}$), single point maintenance.

2. Actualize special shape by large angle bendness and folding degree design. (Cylinder, Cube etc).

3. Top of customization, any curved or cylindrical shape can be customized.



Silicagel mask, soft and elastic

Case Picture

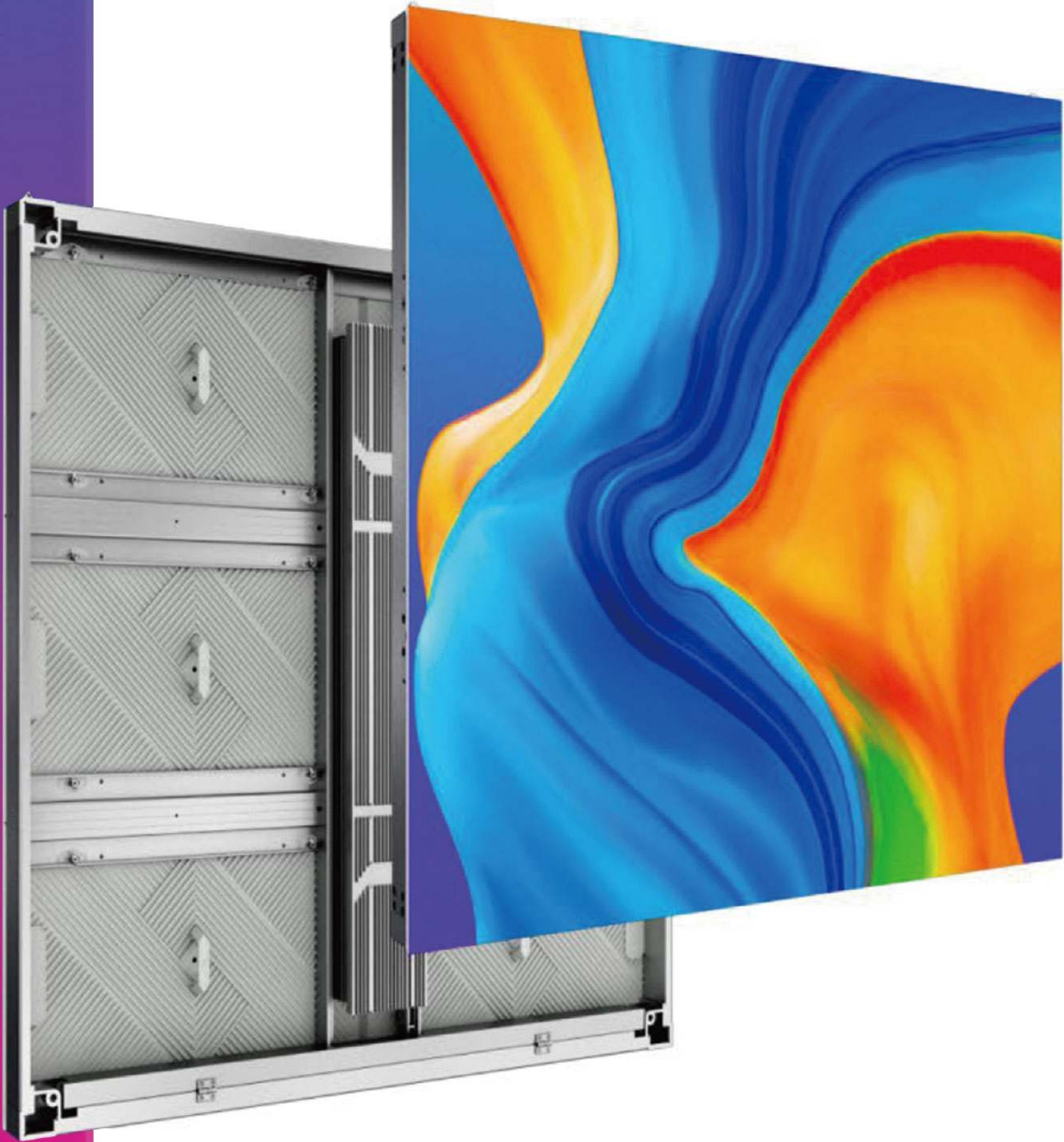


Product Parameter

Model	P1.53	P1.86	P2	P2.5	P3	P4
Pixel pitch	1.53	1.86	2	2.5	3	4
LED type	SMD1212	SMD1515	SMD1515	SMD1515	SMD1515	SMD2020
Beam angel(Hor"/Ver")	160°	160°	160°	160°	160°	160°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density(pixels/㎡)	427186	289050	250000	160000	111111	62500
Scan mode	1/52	1/43	1/40	1/32	1/26	1/20
Color gray level(Bit)	16	16	16	16	16	16
Brightness(nits)	600	700	700	700	700	700
Contrast ratio	1/10000	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequency	60FPS	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate(Hz)	3840	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V	DC5V
Max. power consumption (W/sqm)	600W	600W	600W	600W	600W	600W
Weight	customization	customization	customization	customization	customization	customization
Operation life	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H
IP rating	IP31	IP31	IP31	P31	IP31	IP31
Fire rating	V0	V0	VO	V0	V0	V0
Module pixel	208*104	172*86	160*80	128*64	104*52	80*40
Module size	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm

Outdoor IP65 Protection, Energy Saving And Stability

Outdoor Energy-saving Display



Outdoor Energy-saving Screen

WENGO Z-Green Series LED Display

Cathode LED display is less 10% power cosumption than the anode LED display.

Save cost by the Natural heat dissipation technology , don't need air conditioner.

Easy maintenance, energy saving driver IC, low temperature.

Improve screen operation life and reduce bad screen.

Improve power supply efficiency and reduce energy loss with the 2.8V/3.8V feeding power supply technology.

Under the same brightness, the energy consumption of the cathode LED display is 30% lower than that of the anode LED display, save operation cost.



High defenition



Front maintenance



IP65



High refresh rate



Fast installation



Wide viewing angle



Silent operation



High gray

Product Overview

Low power consumption (35% energy saving compared with traditional screens), low heat disappation and high brightness.

Application :speed toll station , light pole , outdoor advertising , building facade etc.



Product Characteristics

1. Low energy consumption: impove power supply efficiency and reduce energy consumption with 2.8V/3.8V dual channel separate power supply mode technology.
2. Lower temperature : improve screen operation life with energy-saving cathode driver IC to reduce temperature inner of screen.
3. Perfect vision: large viewing Angle, high color gray scale, high refresh rate $\geq$ 3840HZ.



Case Picture



Product Parameter

Model	P3.076	P4	P5	P6.67	P8	P10
Pixel pitch	3.076	4	5	6.67	8	10
LED Type	SMD1921	SMD1921	SMD2727	SMD2727	SMD3535	SMD3535
Beam angle(Hor"/Ver")	160°	160°	160°	160°	160	160°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density (pixels/㎡)	105625	62500	40000	22477	15625	10000
Scan mode	1/13	1/10	1/8	1/6	1/5	1/2
Color Gray level(Bit)	16	16	16	16	16	16
Brightness(nits)	5500	6500	5000	5500	6000	6000
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequency	60FPS	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate(Hz)	3840	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V	DC5V
Max. power consumption (W/sqm)	700W	600W	600W	600W	600W	600W
Weight	20kg/㎡	20kg/㎡	20kg/㎡	20kg/㎡	20kg/㎡	20kg/㎡
Operation life	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H
IP rating	IP65	IP65	IP65	IP65	IP65	P65
Fire rating	V0	V0	V0	V0	V0	V0
Module pixel	104*52	84*84	64*32	52*52	42*42	42*42
Module size	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm
Cabinet size	960*960mm	960*960mm	960*960mm	960*960mm	960*960mm	960*960mm

High Protection, IP65 Makes The Display More Reliable

Outdoor Grille Screen



Outdoor Grille Screen

WENGO Z-GRILL Series - Outdoor Grille Display

Grille shape screen is composed with the light bar.

Make the project more flexible, more choice and easy to manage.

Hollow type design have better heat dissipation and better wind resistance.

Application: outdoor wall, glass curtain wall, building top, observation elevator etc.



High definition



Front maintenance



High refresh rate



Fast installation



wide viewing angle



Silent operation



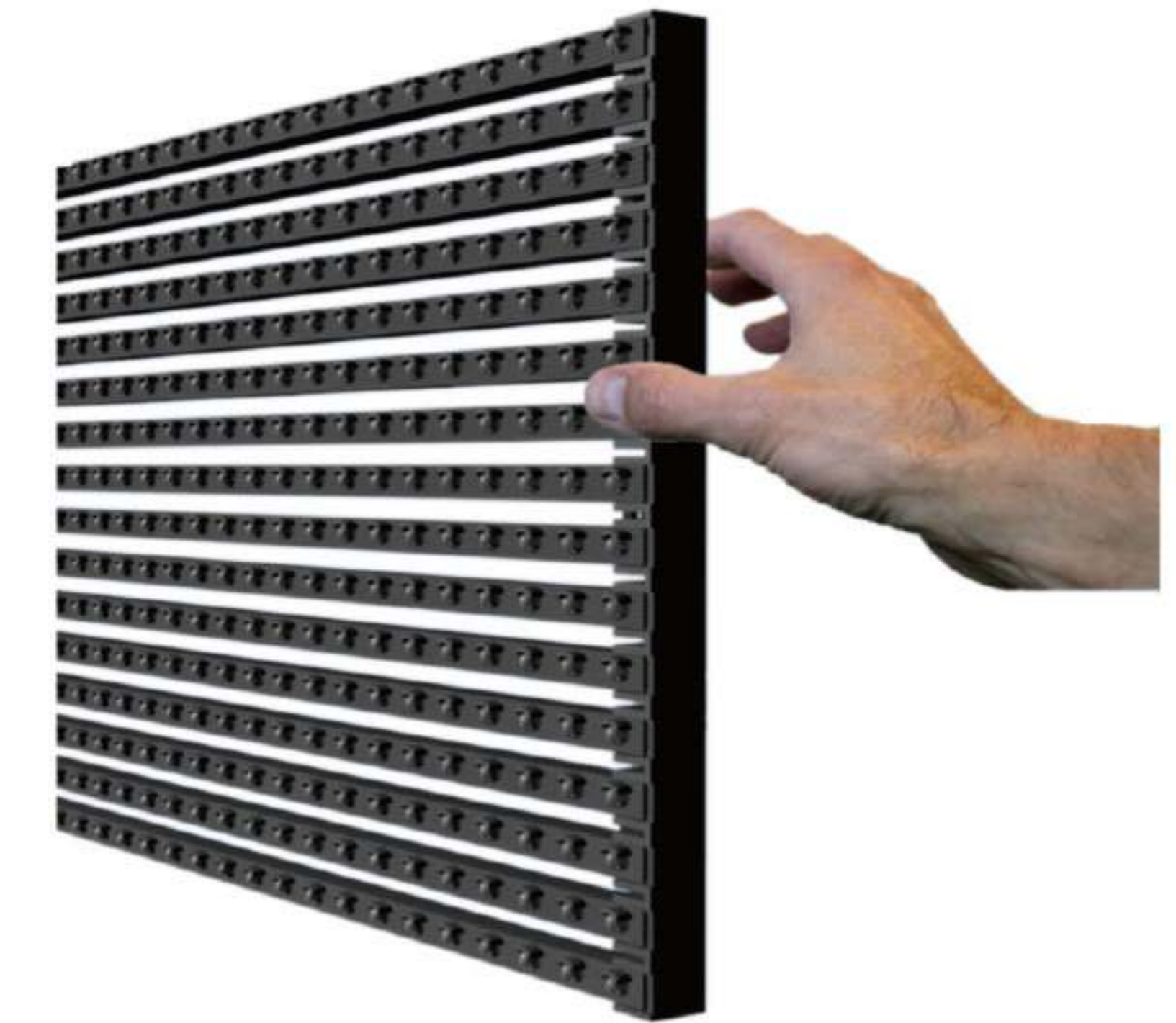
High gray

Product Overview

CNC die-casting aluminum cabinet: high precision, ultra-thin, air convection heat dissipation.

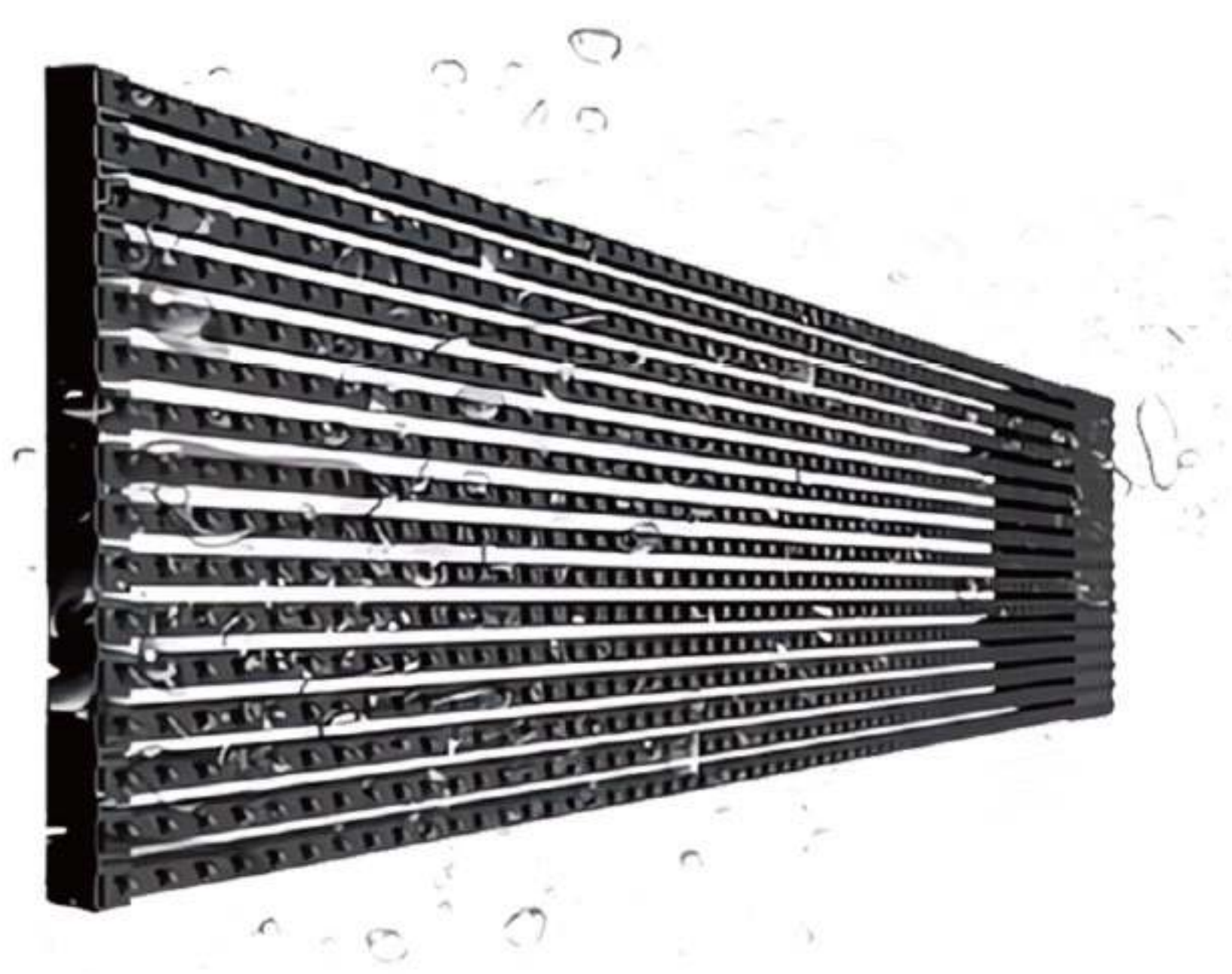
Transparencation rate up to 70%, air permeability and light permeability design.

Occupy less space, easy installation, easy maintenance, no-steel structure, thickness 70mm, front and rear maintenance.



Product Characteristics

1. High brightness: high brightness LED type keep good display in sun.
2. High contrast: high contrast maintain good display in different illumination environment.
3. High reliability: high-quality materials and technics keep waterproof, dustproof, sun protection etc. Can operate in rugged environment for long time.
4. High permeability: can reduce the temperature of the display and improve operation life.
5. Easy maintenance: modularity design, easy to install and maintain, fast replacing bad module.
6. Application: outdoor advertising, commercial display etc.



Case Picture



Product Parameter

Model	P3.9-7.8	P7.8-15.6	P10.4-13.8	P15.6	P15.6-31.2
Pixel pitch	3.91*7.8	7.82*15.64	10.4*13.8	15.6*15.6	15.63*31.25
LED type	SMD1921	SMD1921	DIP570	DIP570	DIP570
Viewing angle	70%	60%	17.2%	45%	70%
Pixel constitute	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density(pixels/㎡)	32768	8192	69125	4096	2048
Scan mode	1/8	1/2	1/2	Static	Static
Color gray level(Bit)	16	16	16	16	16
Brightness	≥5000	≥5000	≥8000	≥8000	≥7000
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000
Replacement frequency	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate(Hz)	1920	1920	1920	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V
Max power consumption	400/133W	400/133W	533/176W	506/168W	400W/133
Weight	8kg/㎡	7.5kg/㎡	9.6kg/㎡	6.9kg/㎡	4.1kg/㎡
Operation life	>100,000H	>100,000H	>100,000H	>100,000H	>100,000H
IP rating	IP65	IP65	IP65	IP65	IP65
Cabinet material	Aluminium Profile	Aluminium Profile	Aluminium Profile	Aluminium Profile	Aluminium Profile
Module pixel	64*32	32*16	256*128	208*104	192*96
Module size	500*1250*90mm	500*1250*70mm	250*1500*70mm	250*1500*70mm	250*1500*70mm
Working humidity	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%

Bending In Front And Rear, Rolling In Safety

LED Crystal Film Screen



LED Crystal Film Screen

WENGO Z-PLIABLE Series LED Display

Unnormal LED transparent display by special LED type package, fixed components on the PCB film, 1.2mm high transpention film panel by special cover glue technics.

Light-thin and transparent, can be curved and cut.

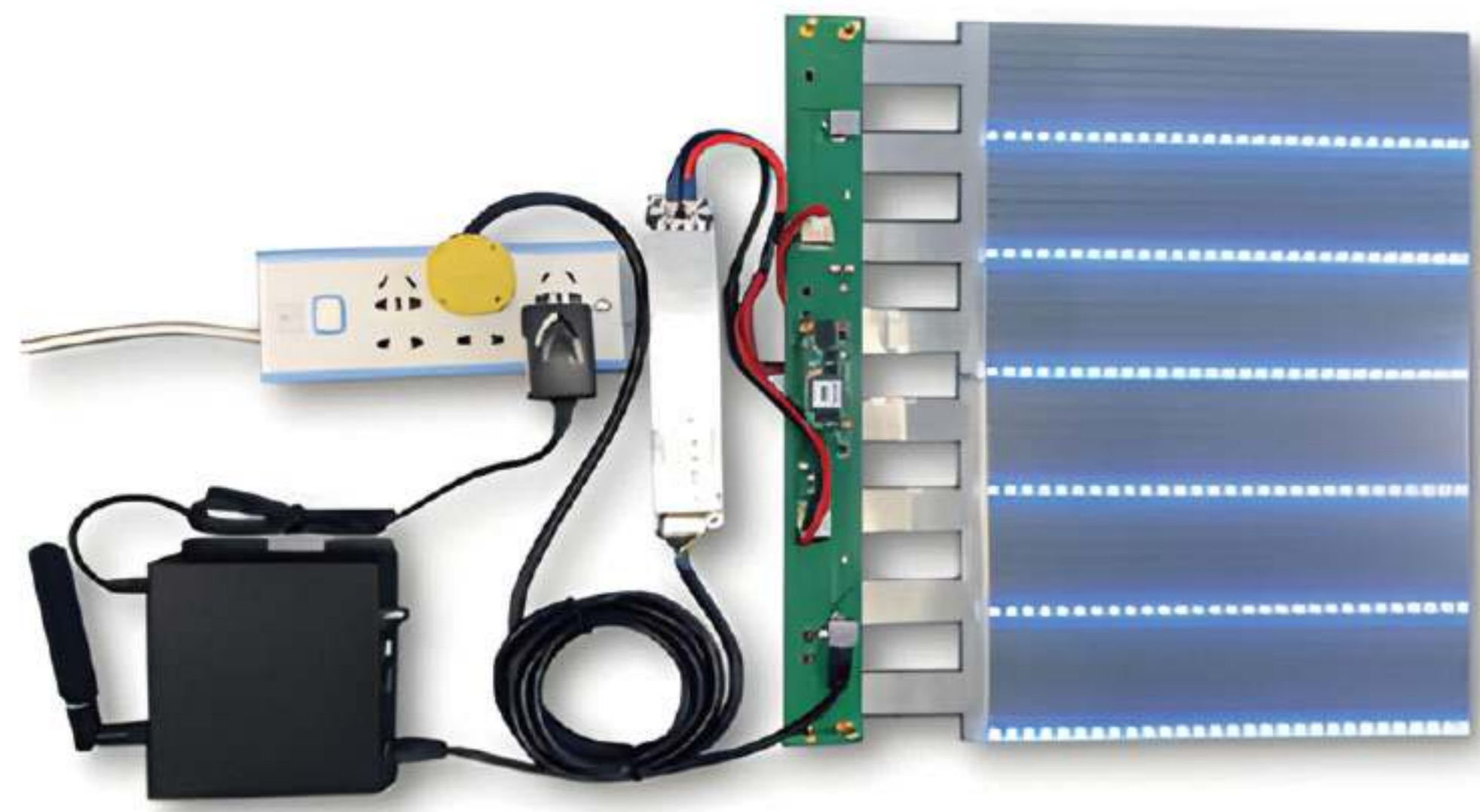
Directly paste on glass, don't destroy the building strcture, hide the screen when no display.



Product Overview

Ultra light-thin, 3 mm thickness, 3.5 kg/㎡.

Up to 95% transparation rate by high transpention crystal film carrier, PVD coating film technology; Micron metal grille.



Product Characteristics

Signal source can be a video output device, camera, computer etc. (synchronous control)

Video processor convert the signal to DVI signal, connect with a transmitter card via DVI cable.

Need optical fiber to transmit the signal when controlling room far from the display more than 100meters.



Case Picture



Product Parameter

Model	P4	P6	P8	P10	P16
Pixel pitch	4mm	6mm	8mm	10mm	16mm
LED type	WE1314	WE1314	WE1314	WE1314	WE2121
Module size	240*960mm	240*960mm	480*960mm	480*960mm	480*960mm
Module pixel	60*240	40*160	60*120	48*96	20*60
Weight	<3.5kg/㎡	<3.5kg/㎡	<3.5kg/㎡	<3.5kg/㎡	<3.5kg/㎡
Brightness	1000-3000	1000-3000	1000-3000	1000-3000	1000-3000
Transparation rate	90%	90%	90%	90%	90%
Best viewing distance	>4m	>6m	>8m	>10m	>16m
Viewing angle	160	160	160	160	160
Input voltage	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V
Power supply require-ment	AC200-240V	AC200-240V	AC200-240V	AC200-240V	AC200-240V
Average power coms-umption	200W/㎡	200W/㎡	200W/㎡	200W/㎡	200W/㎡
Max power consum-ption	600W	600W	600W	600W	600W
Installation mode	Hoisting or fixed installation	Hoisting or fixed installation	Hoisting or fixed installation	Hoisting or fixed installation	Hoisting or fixed installation
Brightness control gra-de	256	256	256	256	256
Working temperature	20~+65℃	20~+65℃	20~+65℃	-20~+65℃	20~+65℃
Working humidity	10-65%RH	10-65%RH	10-65%RH	10-65%RH	10-65%RH

Strong And Light-thin , Free Treading

LED Floor Tile Screen



LED Floor Tile Screen

WENGO Z-GROUND Series - Floor Tile Screen

HD technology, vivid color, high contrast, realistic vision.

Impactful and immersive visual experience to customer by Interactive induction technology.

Withstand many people and long time playing by strong load-bearing capacity and durability.



High definition



Front maintenance



High refresh rate



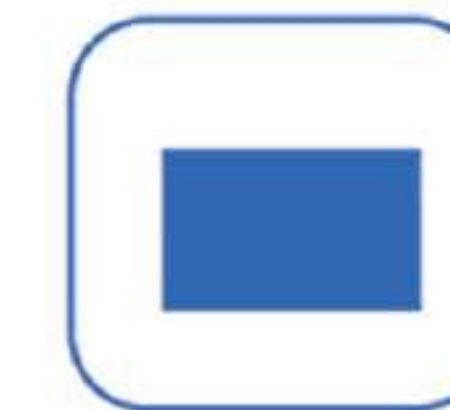
Fast installation



Wide viewing angle



Silent operation



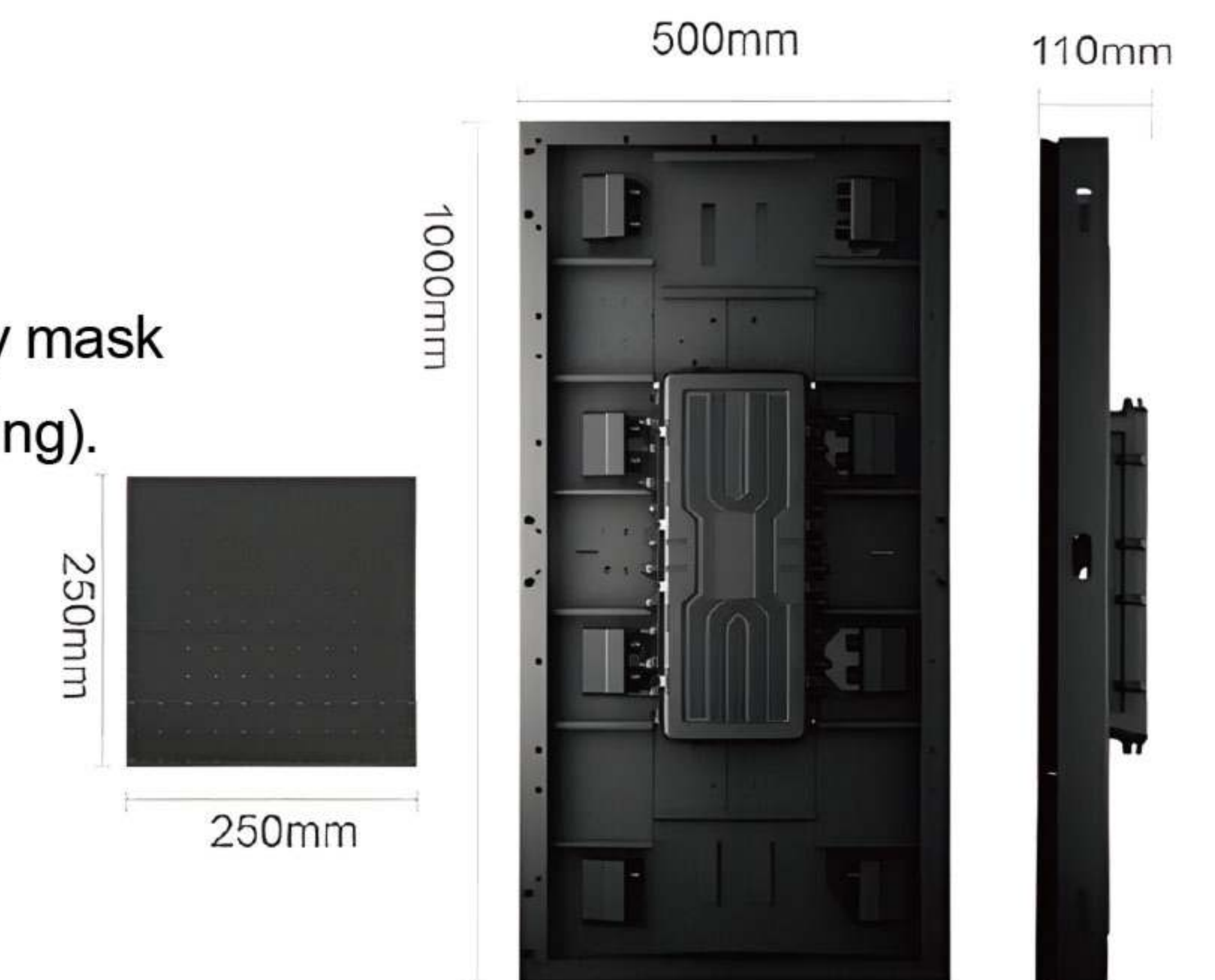
High gray

Product Overview

No color difference by professional technology mask

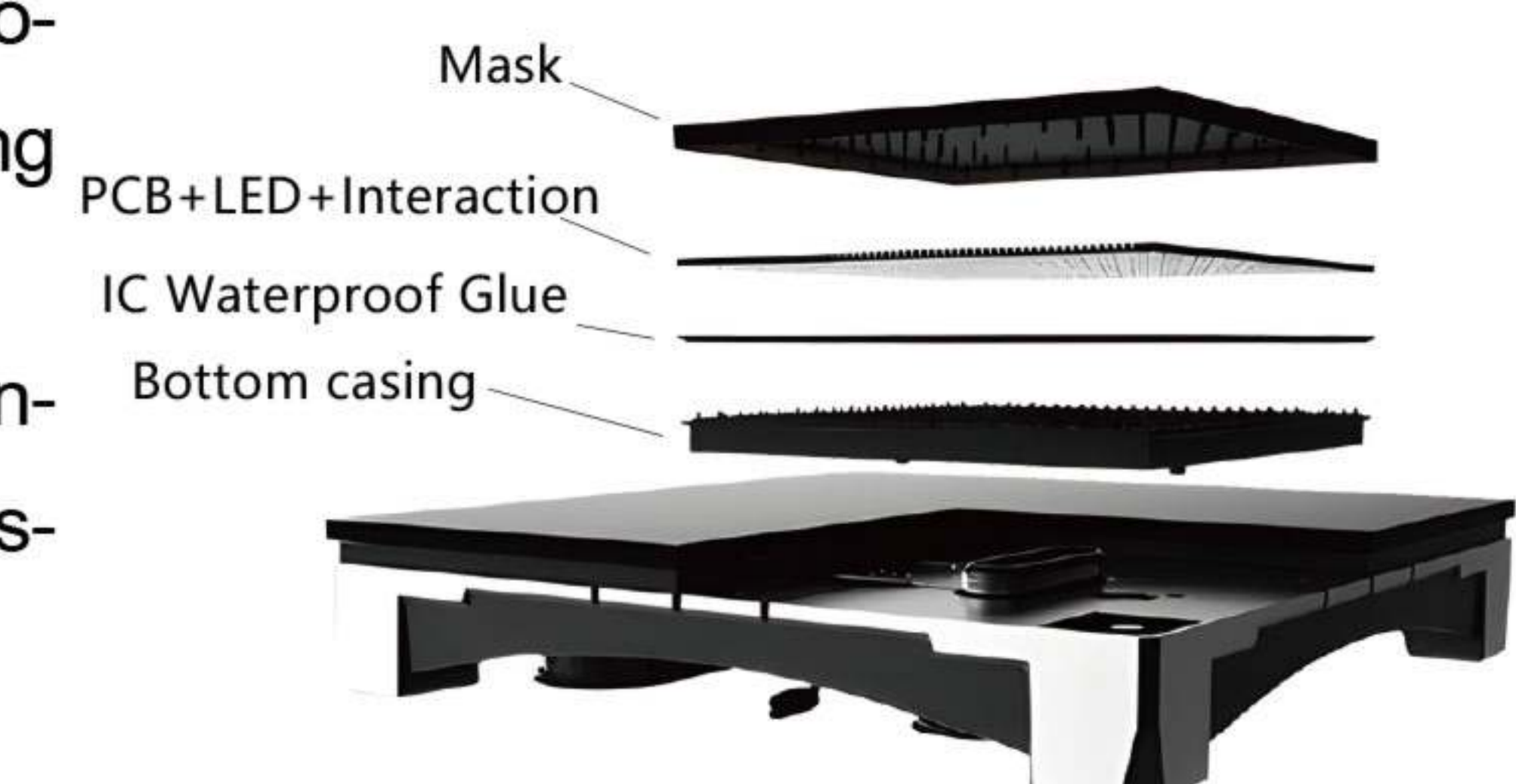
:(PC material, photodiffusion, any Angle viewing).

The whole display thickness is 110mm.



Product Characteristics

- 1.High load-bearing capacity: up to 2.2T/m² bearing capacity by die-casting aluminum customized mold.
- 2.High safety: IP54/IP45 rate.
- 3.Gold plating process: all connectors, power supplies, wiring, etc, all gold plating process.
- 4.High heat dissipation: fast heat dissipation by professional heat dissipation design and die-casting aluminum material cabinet.
- 5.Wear-resistant, pressure-resistant, waterproof, anti-slipping , anti-glare by imported PC material professional technology mask.



Case Picture



Product Parameter

Model	P1.95	P2.5	P2.604	P2.976	P3.91
Pixel pitch	1.95	2.5	2.604	2.976	3.91
LED type	250*250mm	250*250mm	250*250mm	250*250mm	250*250mm
Use environment	Indoor	Indoor	Indoor	Indoor	Indoor
Pixel constitute	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density (pixels/㎡)	262984	160000	147474	112910	65410
Color gray level(Bit)	16	16	16	16	16
Runaway rate	1/10000	1/10000	1/10000	1/10000	1/10000
Frame change frequency	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate (Hz)	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V
Max power consumption	800W/㎡	800W/㎡	800W/㎡	800W/㎡	800W/㎡
Weight	44kg/㎡	44kg/㎡	44kg/㎡	44kg/㎡	44kg/㎡
Operation life	>100,000H	>100,000H	>100,000H	>100,000H	>100,000H
IP rating	IP54	IP54	IP54	IP54	IP54
Module pixel	128*128	100*100	96*96	84*84	64*64
Module size	250*250mm	250*250mm	250*250mm	250*250mm	250*250mm
Cabinet size	500*1000mm	500*1000mm	500*1000mm	500*1000mm	500*1000mm

Can Replace Curtain Wall Glass, Enjoy Transparent Vision

Photoelectric Glass Screen



Photoelectric Glass Screen

WENGO Z-GLASS Series - Photoelectric Glass Screen

Keep glass high permeability by embedding LED type between two tempered glass.

Can display text, picture and video.

Easy controlling, low voltage DC driver, vivid color , long-time operation life etc.

Application :glass curtain wall, urban building lighting project.



Case Picture



Product Parameter

Product Overview

Standard module with full color LED type and driving, combined with multi-layer circuit board.

Different size by spicing standard module gule with glass.

Can display text, image, video.

Screen size,color,gray scale is adjustable.



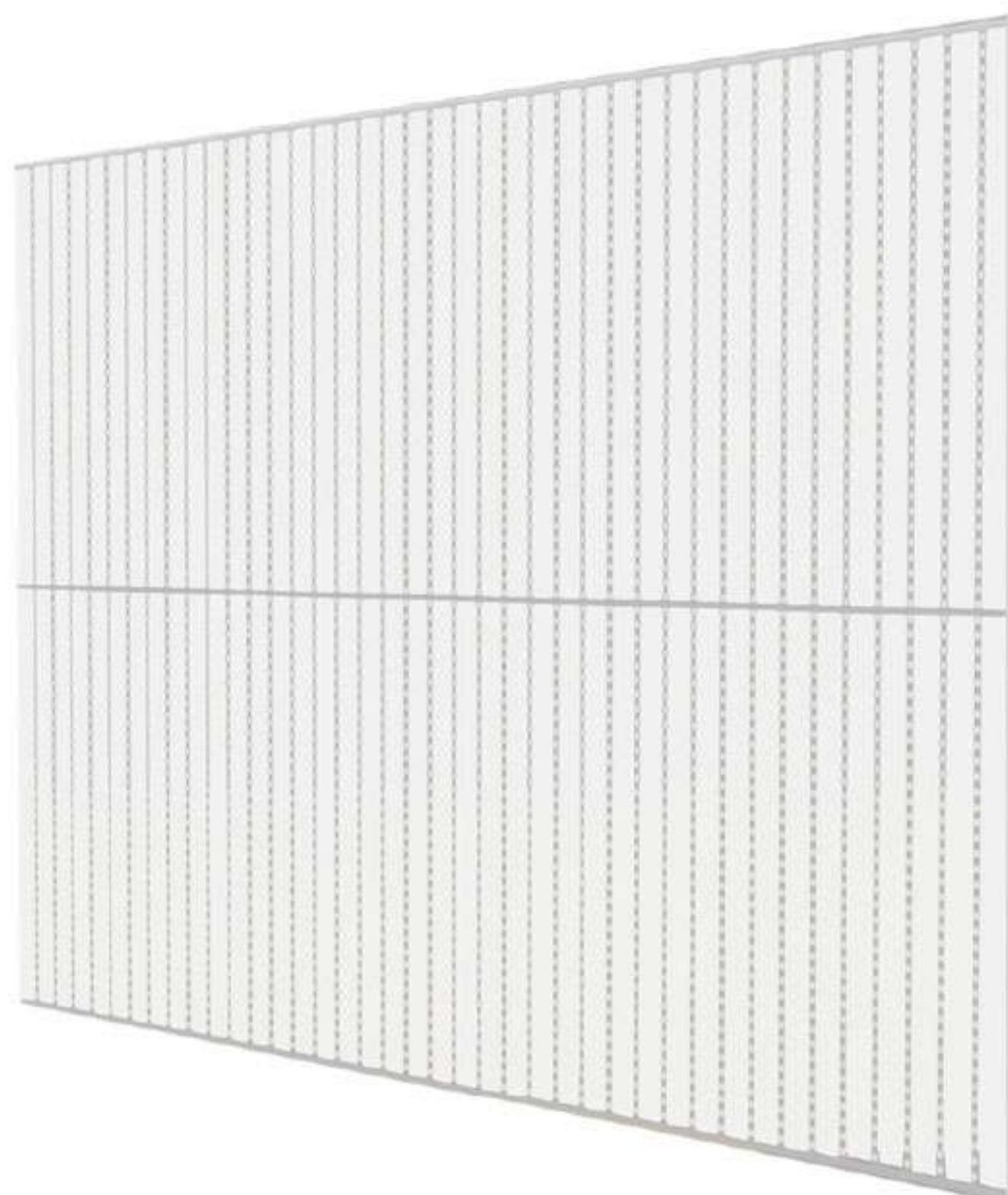
Product Characteristics

Trasparation rate up to 60-90%.

Customization thickness and size.

High brightness, high stability, high definition.

Top of choice in architectural glass curtain wall.



Model	P5*5	P5*10	P10	P10*20	P20
Pixel specification	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED type	SMD2020	SMD2020	SMD2020	SMD2020	SMD2020
Pixel pitch(mm)	5.5*5.5	5.5*11	11*11	11*20.8	19.2*20.8
Module size(mm)	111*500	111*500	111*500	333*500	333*500
Chroma uniformity	±0.003	±0.003	±0.003	±0.003	±0.003
Pixel density (pixels/㎡)	32400	16200	8100	4320	2496
Brightness(nits)	>6000	>5000	≥3000	>2000	>1500
Color gray grade	256 level	256 level	256 level	256 level	256 level
Scan mode	Static	Static	Static	Static	Static
Refresh rate (Hz)	3840	3840	3840	3840	3840
Viewing angel	>160	>160	>160	>160	>160
Best viewing distance	>5M	>7.5M	>12M	>16M	>21M
Height grade	256 level	256 level	256 level	256 level	256 level
Control mode	Phone/PC	Phone/PC	Phone/PC	Phone/PC	Phone/PC
Video	Multimedia	Multimedia	Multimedia	Multimedia	Multimedia
Operating voltage	+5VDC	+5VDC	+5VDC	+5VDC	+5VDC
Power consumpt-ion/㎡	400W	300W	200W	150W	80W
Max power cons-umption/㎡	2400W	1200W	650W	400W	200W
Screen material	Laminated glass	Laminated glass	Laminated glass	Laminated glass	Laminated glass
Operating tempera-ture	-20~55℃	-20~55℃	-20~55℃	-20~55℃	-20~55℃
Storage temperatu-re	-40~80℃	-40~80℃	-40~80℃	-40~80℃	-40~80℃
Working humidity	10-90%	10-90%	10-90%	10-90%	10-90%
Storage humidity	5-95%	5-95%	5-95%	5-95%	5-95%

Efficient, Convenient, Comfortable, Intelligent

Smart All In One LED Display



Smart All In One LED Display

WENGO Z-EXPEDIENCY Series - Smart All In One LED Display

Integrated with LED display, interactive software, projection.

Can connect with computer, mobile phone, camera and other device.

Display video, audio, PPT, pictures, documents etc.

Support Wi-Fi, USB, HDMI, many connection method.

Save operation cost with operating in many scene.



High definition



Front maintenance



High refresh rate



Fast installation



Wide viewing angle



Silent operation



High gray

Product Overview

COB module: lighter weight, stronger compression resistance, larger viewing angle, better heat dissipation, waterproof and moisture-proof.

Industrial base board power supply, 90-240V Voltage input, 50-60HZ AC input.

Touchscreen operation.

Improve stability with new metal mold fuselage structure design.



Product Characteristics

One key eyeshield, Hifi.

Wireless writing, Wireless mirror screen with many kind of device.

Dual system can operate four modes. (Windows and Android)



Case Picture



Product Parameter

Model	ZYHUB110	ZYHUB135	ZYHUB162
Model size	110 inch	135 inch	162 inch
Viewing size	2400*1350mm	3000*1687.5mm	3600*2025mm
Pixel pitch	1.25mm	1.56mm	1.875mm
Resolution	1920*1080	1920*1080	1920*1080
Brightness	600	600	600
Viewing angel	160°(H) / 160°(V)	160°(H) / 160°(V)	160°(H) / 160°(V)
Contrast	20000:1	20000:1	20000:1
Color temperature	2000-10000(Adjustable)	2000-10000 (Adjustable)	2000-10000 (Adjustable)
Refresh rate (Hz)	3840	3840	3840
Brightness uniformity	97%	97%	97%
Chroma uniformity	±0.003Cx, Cy	±0.003Cx, Cy	±0.003Cx, Cy
Brightness&chroma correc	All Support	All Support	All Support
CPU	Dual Core A73+Dual Core A53,1.5GHz	Dual Core A73+Dual Core A53,1.5GHz	Dual Core A73+Dual Core A53,1.5GHz
GPU	4Core MailG5	4Core MailG5	4Core MailG5
RAM	4G	4G	4G
Flash	32G	32G	32G
Operating system	Android 8.0	Android 8.0	Android 8.0
Touching screen	Infrared touch(20Point)	Infrared touch(20Point)	Infrared touch(20Point)
Touch accuracy	≤±1 mm	≤±1 mm	≤±1 mm
Minimum identifier	2 Pen 6mm、 5 Pen 8mm	2 Pen 6mm、 5 Pen 8mm	2 Pen 6mm、 5 Pen 8mm
Double pen gap	> 30mm	> 30mm	> 30mm
Operating frequency	110Hz	110Hz	110Hz
Refresh time	9.5ms	9.5ms	9.5ms
Plug input	AC100-240V, 60Hz	AC100-240V, 60Hz	AC100-240V, 60Hz
Power consumption	≤960W	≤960W	≤960W
Audio output power	2*10W	2*10W	2*10W
Operating temperature	0°C-40°C	0°C-40°C	0°C-40°C
Storage temperature	10%-70%Without condensation	10%-70%Without condensation	10%-70%Without condensation
Operating humidity	0°C-40°C	0°C-40°C	0°C-40°C
Storage humidity	10%-70%Without condensation	10%-70%Without condensation	10%-70%Without condensation

The Picture Quality Is Like Silk, Thin Like Cicada Wings



Indoor HD Display Screen

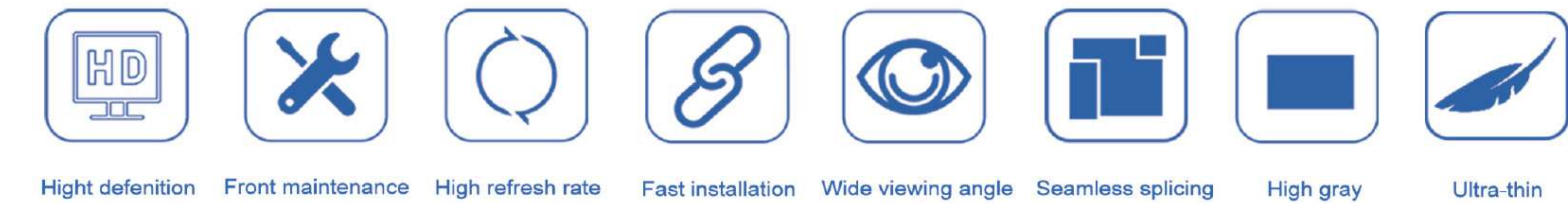
Indoor HD Display Screen

WENGO Z-THIN Series - Indoor HD Display

High resolution, high color gray level , good flatness etc.

Better vivid and natural color vision in indoor close distance.

Thinner and lighter screen.



Case Picture



Product Parameter

Model	P1.56	P1.95	P2.5	P2.604	P2.976	P3.91
Module resolution	160×160	128×128	100×100	96×96	84×84	64×64
LED type	SMD1212	SMD1515	SMD1515	SMD1515	SMD1515	SMD2020
Beam angel(Hor°/Ver°)	160°	160°	160°	160°	160°	160°
Module size	250×250	250×250	250×250	250×250	250×250	250×250
Pixel density(pixels/㎡)	409600	262144	160000	147456	112896	65536
Case size	1000×250×33	1000×250×33	1000×250×33	1000×250×33	1000×250×33	1000×250×33
Color gray level(Bit)	16	16	16	16	16	16
Brightness(nits)	600	800	800	800	800	1000
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000	1/10000
Frame change frequency	60FPS	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate(Hz)	3840	3840	3840	3840	3840	3840
Max power consumption	650	650	650	650	650	650
Average power consumption	100-200	100-200	100-200	100-200	100-200	100-200
IP rating	IP31	IP31	IP31	IP31	IP31	IP31
Power supply requirement	AC90-264V,47-63Hz					
Operating temperature /humidity	-20~60℃/10%~85%					
Storage temperature /humidity	-20~60℃/10%~85%					
Applicable standard	CCC/CE/RoHS/FCC/CB/TUV/IEC					

Product Overview

High contrast with ripples absorbing light mask in front of cabinet.

Save transportation and installation cost with all aluminum material back of cabinet.

Full front maintenance, simple structure, easy installation.



Product Characteristics

- 1.Fast heat dissipation with all aluminum.
- 2.Get free of wires with hardware connected design between module and cabinet.
- 3.High refresh rate, high color gray level.
- 4.Won't fall between module and cabinet with many magnetic cloumn.



Holographic Smart 3D Transparent Cabinet

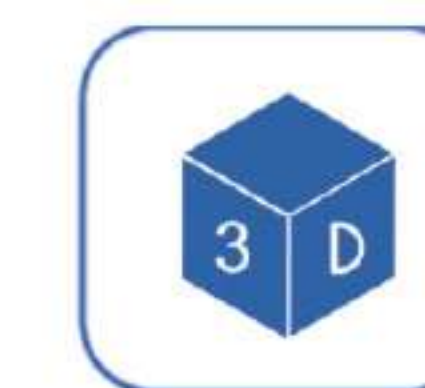


Holographic Smart 3D Transparent Cabinet

WENGO Z-POWER Series - Holographic Intelligent 3D Transparent Cabinet
IPS hard screen , large viewing angle, fast responding time , super real color.
Can holographically present people and object ,interact with user by touch controlling.
The interacting technology is very interesting and excited.
Integrated with touching, gesture, sound ,video give user immersive experience.



High definition



3D



High refresh rate



Plug and play



Wide viewing angle



Tangible



Stability

Product Overview

Present many scenes to give user more choice.
Create immersive scene to give user entertainment experience.
Remotely control turning on/off each cabinet.
Real-time monitoring and management with intelligent system.



Product Characteristics

1. Perfect vision with 4K resolution high transparent screen.
2. Better protection with 5mm ultra-white crystal tempered glass(Hardness $\geq 6H$).
3. Convenient and perfect touching with nano-capative touchscre,viewing angle 89/89/89/89 (Min.) (CR ≥ 10).
4. Anti-radiation,anti-magnetic field,anti-strong electric interference,high reliability,high stability with all metal structure.



Case Picture

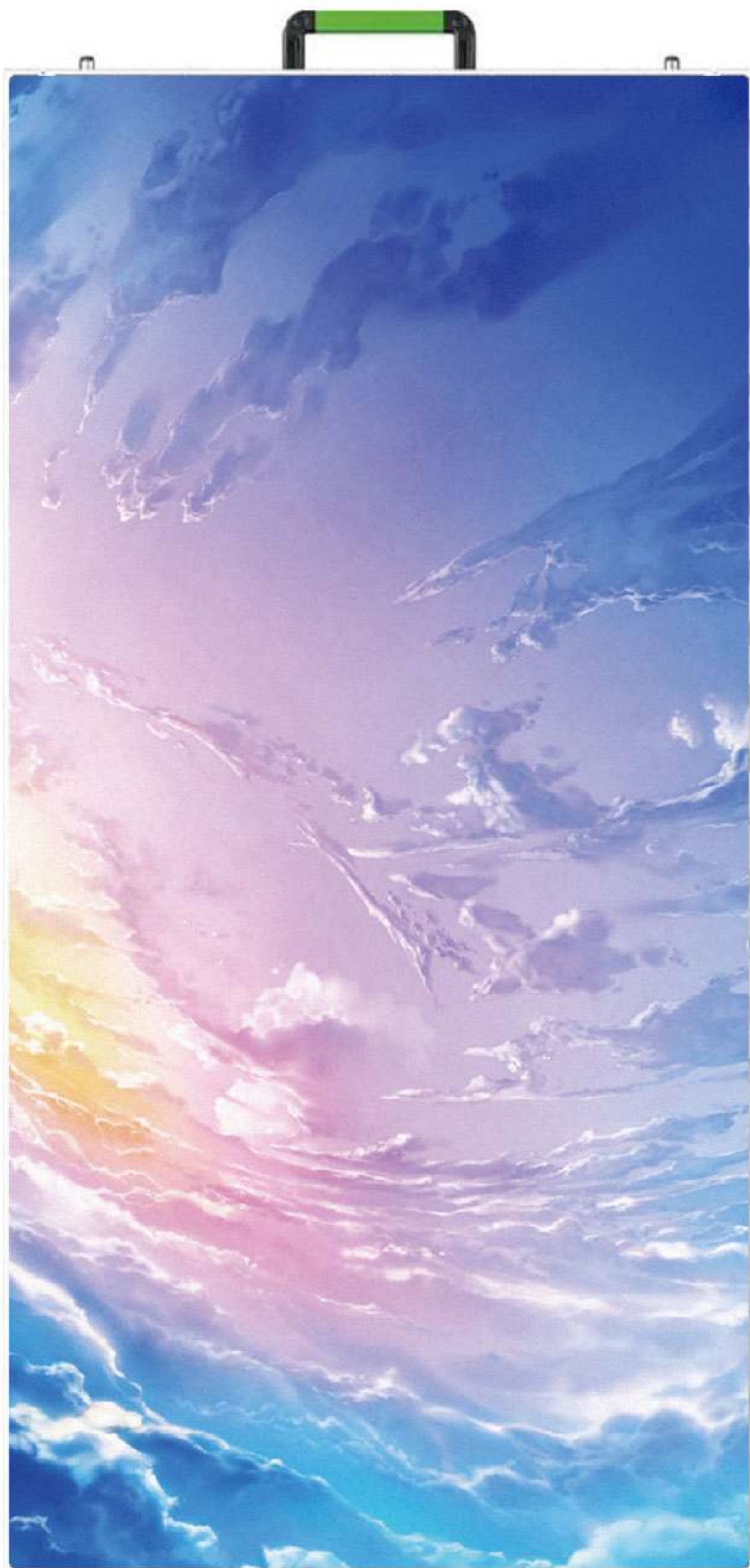


Product Parameter

Panel size	65"	75"	86"
Display area	1430(H)X802(V)mm	1651(H)X929(V)mm	1895(H)X1065(V)mm
Pixel pitch	0.371296	0.43009	0.4930
Maximum resolution	2160*3840	2160*3840	2160*3840
Display color	16.7M	16.7M	16.7M
Brightness(nits)	150	150	150
Contrast	≥1200:1	≥1200:1	≥1200:1
Viewing angle	89/89/89/89 (Min.) (CR≥10)	89/89/89/89 (Min.) (CR≥10)	89/89/89/89 (Min.) (CR≥10)
Response time	8ms	8ms	8ms
Refresh frequency	60Hz	60Hz	60Hz
Color system	PAL/NTSC	PAL/NTSC	PAL/NTSC
Touch mode	Infrared touch	Infrared touch	Infrared touch
Touch count	20point	20point	20point
Touch height	≤3mm	≤3mm	≤3mm
Operating tempera- -ture	0°C-50°C	0°C-50°C	0°C-50°C
Maximum power	< 700W	< 700W	< 700W

Free Splicing, Outdoor Waterproof

Outdoor Rental Display



Outdoor Rental Display

WENGO Z-OFF-LEASE Series - Outdoor Rental Display

Special design for outdoor rental display, fit for temporary or long-term event, exhibition, advertising etc.

Better vision in outdoor with super high brightness LED type.

HD, linstinct vision with Micro pixel composed of Micro LED type.

Application:Outdoor advertising, Event, Sport event, Exhibition etc.



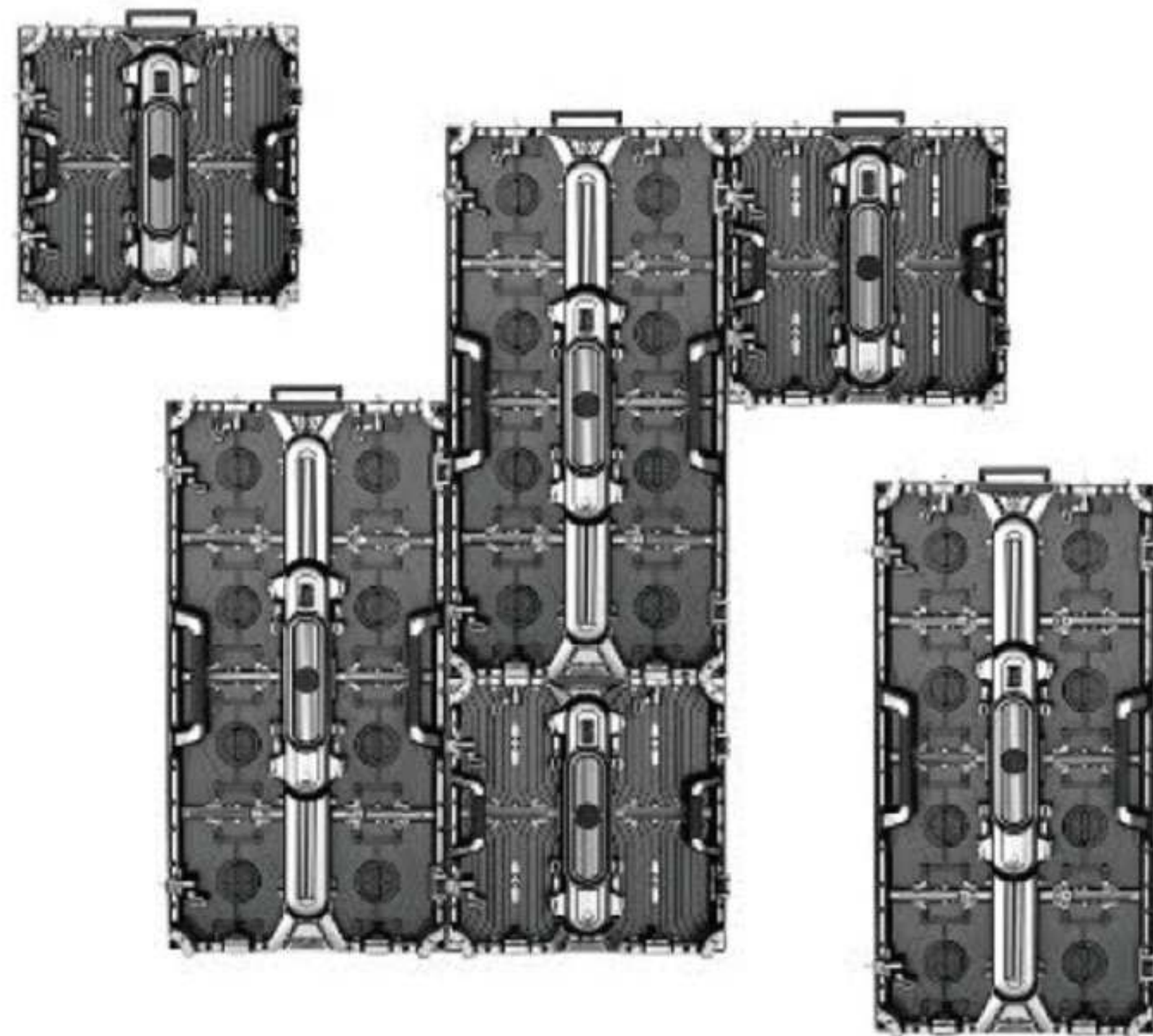
Product Overview

Save transportation and installation cost with light weight cabinet.

Easy installation with many handle.

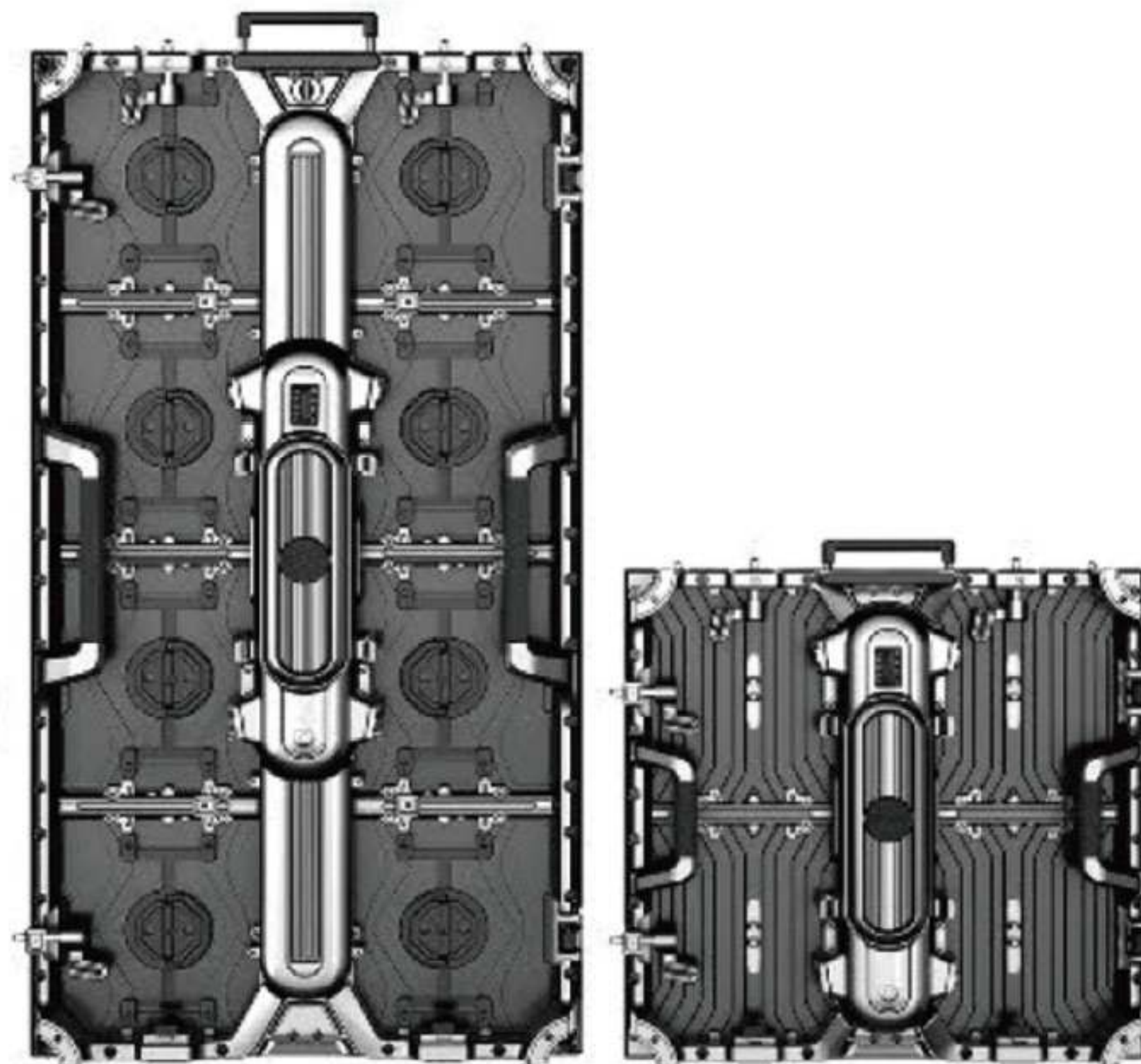
Improve LED safety with connector protection.

Suit for outdoor stadium.



Product Characteristics

- 1.IP65 for outdoor. Front and rear maintenance.
- 2.Better vision with unique color enhancement technology.
- 3.High refresh rate and high color gray scale.
- 4.Cabinet flatness ≤ 0.1mm with high-precision CNC die-casting aluminum cabinet structure.



Case Picture



Product Parameter

Model	P2.604	P2.976	P3.91	P4.81	P5.95
Pixel pitch	2.604	2.976	3.91	4.81	5.95
LED type	SMD1415	SMD1415	SMD1921	SMD1921	SMD2727
Beam angel (Hor"/Ver")	160°	160°	160°	160°	160°
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel density (pixels/ m²)	147474	112910	65410	43222	28246
Driving mode	1/32	1/28	1/16	1/13	1/7
Color gray level (Bit)	16	16	16	16	16
Brightness (nits)	4500	4500	5000	5000	5000
Contrast	1/10000	1/10000	1/10000	1/10000	1/10000
Frame change frequency	60FPS	60FPS	60FPS	60FPS	60FPS
Refresh rate(Hz)	3840	3840	3840	3840	3840
Input voltage	DC5V	DC5V	DC5V	DC5V	DC5V
Max power consumption	800W	800W	800W	800W	800W
Weight	13kg/m²	13kg/m²	13kg/m²	13kg/m²	13kg/m²
Operation life	> 100,000H	> 100,000H	> 100,000H	> 100,000H	> 100,000H
IP rating	IP65	IP65	IP65	IP65	IP65
Fire rating	V0	V0	V0	V0	V0
Module pixel	96*96	84*84	64*64	52*52	42*42
Module size	250*250mm	250*250mm	250*250mm	250*250mm	250*250mm
Cabinet size	500*1000mm	500*1000mm	500*1000mm	500*1000mm	500*1000mm

Anti-impact, waterproof, moisture-proof, wear-resistant, easy to clean

COB LED Display



COB LED Display

WENGO Z-Ultra HD Series -COB LED Display

More pixel with smaller pitch.

Full vivid color vision with Mini pixel pitch and surface LED type technology.

Good color uniformity, good color mixture, large viewing angle, spot uniformity, high brightness.

Display more delicate image and text.



High definition



Front maintenance



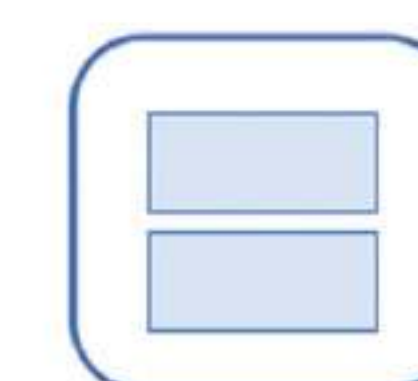
High refresh rate



High protection



High contrast



Arbitrary splicing



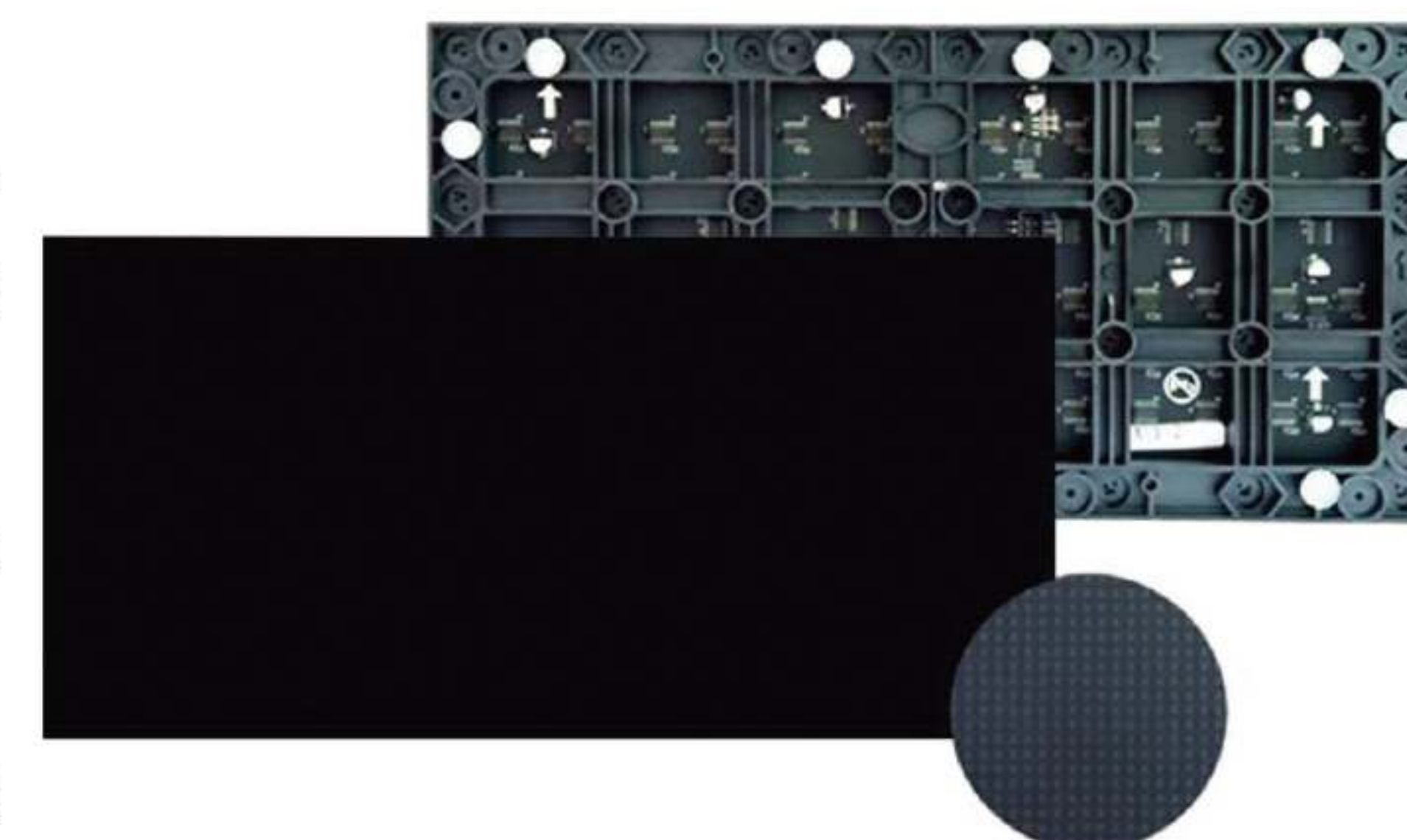
Wide viewing angle

Product Overview

COB LED display-- chip-on-board display technology.

Integrate LED chip on PCB board with dispensing die bondering technology and accurate SMD dispensing technology.

Establish electricity connection between silicon and PCB board with wire bonding technology. Change traditional point LED type to surface LED type.



Product Characteristics

1. DCI color gamut, HDR, common cathode circuit, low consumption cold screen, precision splicing, 3 in 1 power system board.
2. Dustproof, shock-proof, anti-knock, moisture-proof, anti-oxidation, anti-static etc.
3. Full muting and energy-saving design, no fan, natural heat dissipation.
4. High contrast, high refresh rate, free splicing with module.



Case Picture



Product Parameter

Model	P1.53	P1.86
Pixel pitch	1.53	1.86
LED type	Full flip chip	Full flip chip
Beam angel(Hor"/Ver")	160°	160°
Pixel composition	1R1G1B	1R1G1B
Pixel density(pixels/㎡)	422753	288906
Scan mode	1/52	1/43
Color gray level(Bit)	13BIT	13BIT
Brightness(nits)	600	600
Contrast	≥10000:1	≥10000:1
Replacement frequency	60FPS	60FPS
Refresh rate (Hz)	3840Hz	3840Hz
Input voltage	≥DC 4.5V	≥DC 4.5V
Module current	2.4A	2.4A
Module weight	0.5kg	0.5kg
Operation life	>100,000H	>100,000H
Color temperature	9300K	9300K
Driving mode	Constant current drive	Constant current drive
Module resolution	208*104	172*86
Module size	320*160*14.5mm	320*160*14.5mm
Chroma uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy



LED DISPLAY INTO ART WENGO TO CREATE PERFECT VISION