IR & OR PW Series

Indoor & Outdoor Rental LED Display

Indoor: P1.56, P1.9, P2.6, P2.9, P3.91, P4.81

Outdoor: P2.6, P2.9, P3.91, P4.81

500*500mm / 500*1000mm

- Great Cabinet Design
- Curve Capabilities
- Light Weight
- Easy Repair
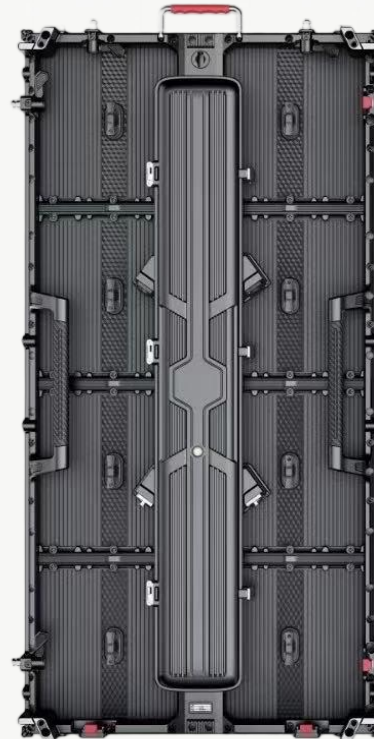- Seamless Connection
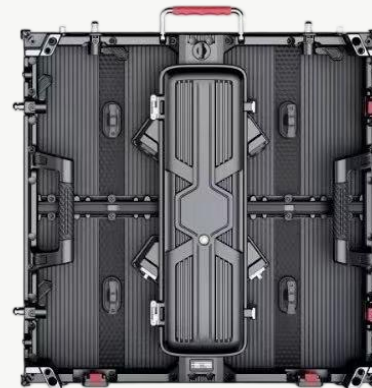- 1,920Hz ~ 3,840Hz
- Excellent Performance
- Various Shapes

Product Description

Great Cabinet Design

To meet the requirements of customers in different application scenarios, 2 cabinet sizes are available.
One of the cabinet size is 500mm x 500mm, and another one is 500mm x 1000mm, which makes installation flexible during the event.
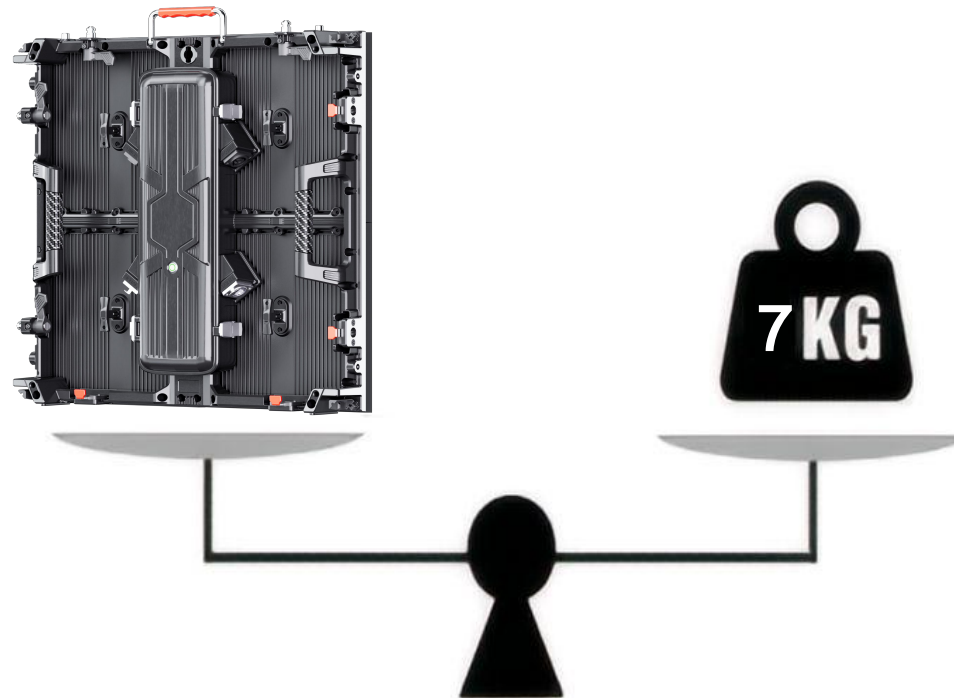

500x1000mm   500x500mm

Light Weight

As the cabinet uses die-cast aluminum material, the weight of the panel is only 7 kgs, and it has great heat dissipation.

Corner Protection

Each cabinet corners are equipped with protectors, which can protect the cabinet and LEDs from damage caused by accidental collision.

Curved Design
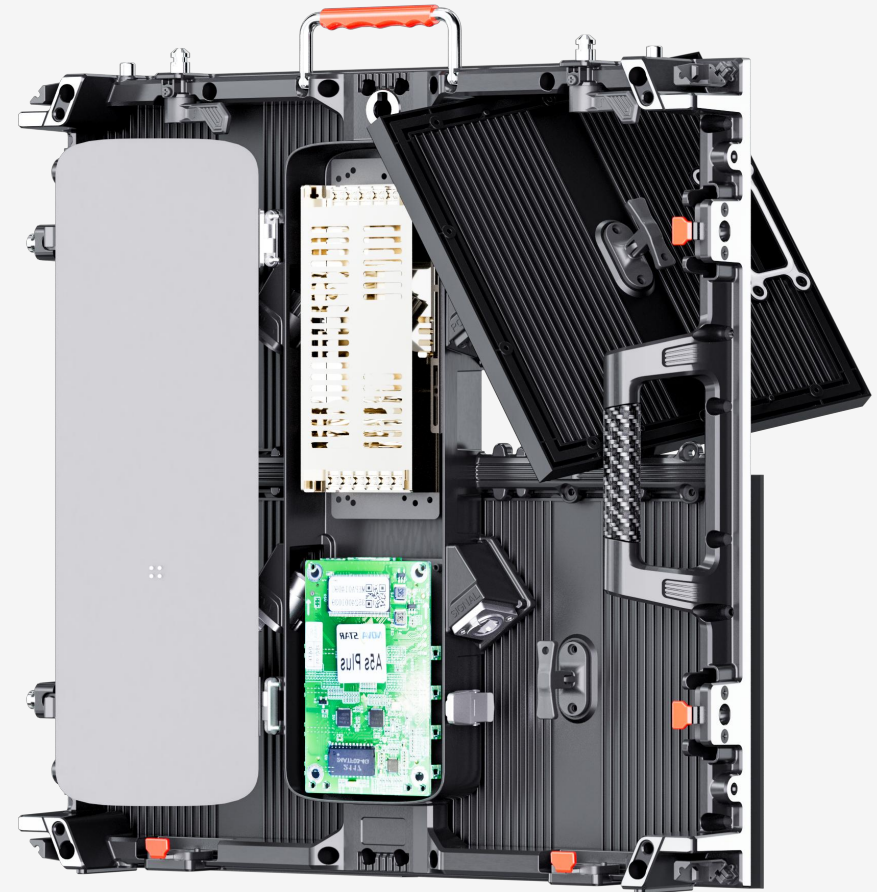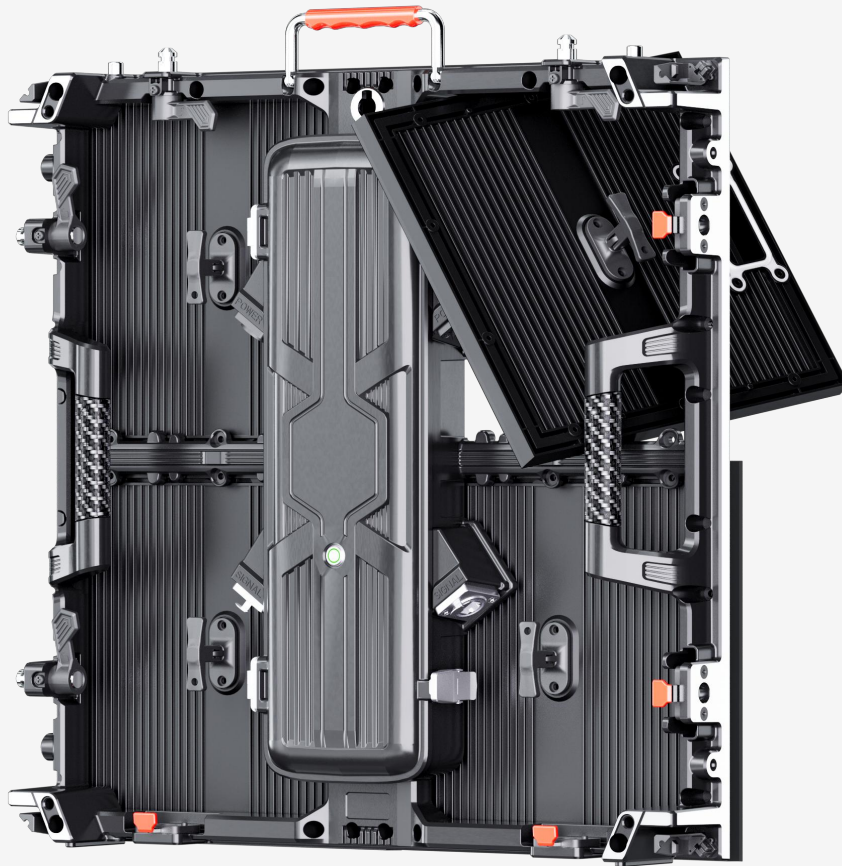
The lock is very secure and strong. It can be designed to be curved to form a curved screen from -15°(convex) to +15°(concave).

Maintenance method

The module and power supply can front and rear dual maintenance.

45° Screen Design

Supports flat-edge screen splicing design.
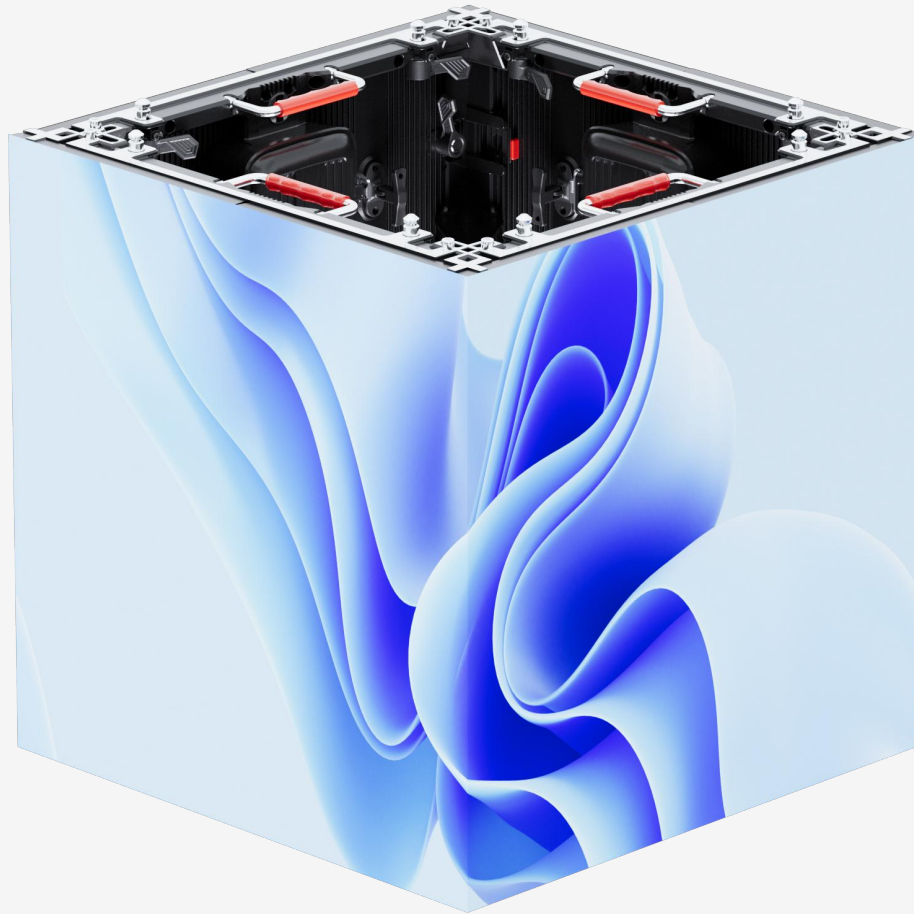
Supports various screen splicing design

Installation method

Multiple installation methods are available.

Excellent visual effert

With its excellent video performance, create an immersive and dynamic visual experience. Provide viewers with a dynamic and engaging visual experience.

Application Files

Activity; Stages; Exhibition hall; Sports Events.

IR PW Series Parameters

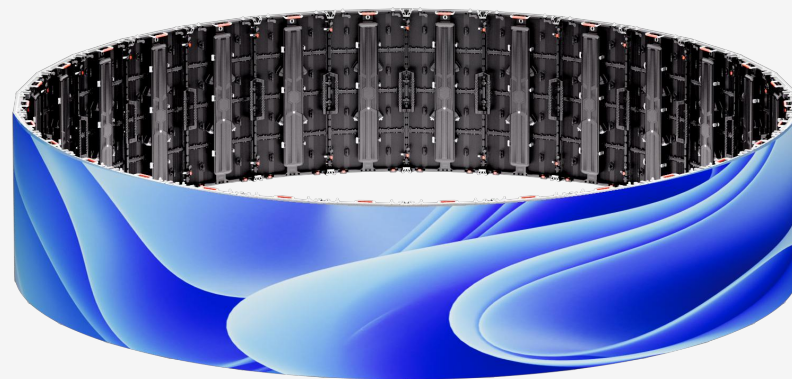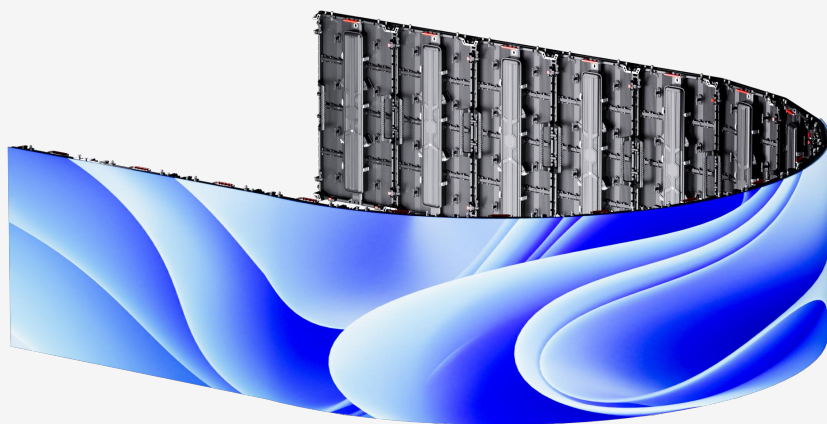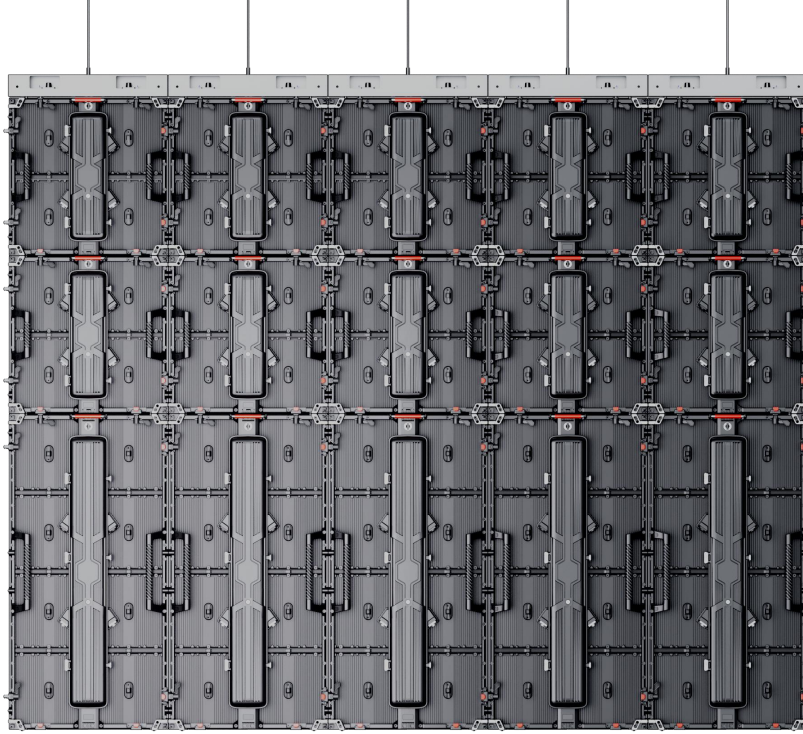| Item	P1.56	P1.9	P2.6	P2.9	P3.91	P4.81
Pixel Pitch	1.56mm	1.953mm	2.604mm	2.976mm	3.91mm	4.81mm
LED Type	SMD1515	SMD1515	SMD1515	SMD2020	SMD2020	SMD2020
Module Resolution	160dots x 160dots	128dots x 128dots	96dots x 96dots	84dots x 84dots	64dots x 64dots	52dots x 52dots
Driving Mode	1/32scan	1/32scan	1/24scan	1/21scan	1/16scan	1/13scan
Module Pixels	25,600dots	16,384dots	9,216dots	7,056dots	4,096dots	2,704dots
Module Size(mm)	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250	250 x 250
Cabinet Size(mm)	500 x 500/1000	500 x 500/1000	500 x 500/1000	500 x 500/1000	500 x 500/1000	500 x 500/1000
Cabinet Resolution(dots)	320 x 320/640dots	258 x 258/516dots	192 x 192/384dots	168 x 168/336dots	128 x 128/256dots	104 x 104/208dots
Pixel Density(dots/m²)	409,600	282,144	147,456	112,896	65,536	43,264
Minimum Viewing Distance	≥1.5m	≥1.9m	≥2.6m	≥2.9m	≥3.9m	≥4.8m
Brightness	600~800nits	600~800nits	600~800nits	600~800nits	≥800nits	≥800nits
IP Grade	IP43	IP43	IP43	IP43	IP43	IP43
Refresh Rate	1920Hz~7,680Hz	1920Hz~7,680Hz	1920Hz~7,680Hz	1920Hz~7,680Hz	1920Hz~7,680Hz	1920Hz~7,680Hz
Gray Scale	12~16bits	12~16bits	12~16bits	12~16bits	12~16bits	12~16bits
Viewing Angle	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°
Maximum Power Consumption	520(W/m²)	520(W/m²)	520(W/m²)	520(W/m²)	520(W/m²)	520(W/m²)
Average Power Consumption	175(W/m²)	175(W/m²)	175(W/m²)	175(W/m²)	175(W/m²)	175(W/m²)
Inout Voltage	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz
Operating Temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Cabinet Weight	7.5kg/panel	7.5kg/panel	7.5kg/panel	7.5kg/panel	7.5kg/panel	7.5kg/panel
Operating System	Windows (Win7,Win8,etc.)	Windows (Win7,Win8,etc.)	Windows (Win7,Win8,etc.)	Windows (Win7,Win10,etc.)	Windows (Win7,Win10,etc.)	Windows (Win7,Win10,etc.)
Signal Source Compatibility	etc	etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc

OR PW Series Parameters

Item	P2.6	P2.9	P3.91	P4.81
Pixel Pitch	2.604mm	2.976mm	3.91mm	4.81mm
LED Type	SMD1415	SMD1415	SMD1921	SMD1921
Module Resolution	96dots x 96dots	84dots x 84dots	64dots x 64dots	52dots x 52dots
Driving Mode	1/24scan	1/21scan	1/16scan	1/13scan
Module Pixels	96 x 96dots	84 x 84dots	64 x 64dots	52 x 52dots
Module Size(mm)	250 x 250	250 x 250	250 x 250	250 x 250
Cabinet Size(mm)	500 x 500/1000	500 x 500/1000	500 x 500/1000	500 x 500/1000
Cabinet Resolution(dots)	192 x 192/384dots	168 x 168/336dots	128 x 128/256dots	104 x 104/208dots
Pixel Density(dots/m²)	147,456	112,896	65,536	43,264
Minimum Viewing Distance	≥2.6m	≥2.9m	≥3.9m	≥4.8m
Brightness	≥4,500nits	≥4,500nits	≥5,000nits	≥5,000nits
IP Grade	IP65	IP65	IP65	IP65
Refresh Rate	1920Hz~3,840Hz	1920Hz~3,840Hz	1920Hz~3,840Hz	1920Hz~3,840Hz
Gray Scale	12~16bits	12~16bits	12~16bits	12~16bits
Viewing Angle	160°/160°	160°/160°	160°/160°	160°/160°
Maximum Power Consumption	800(W/m²)	800(W/m²)	800(W/m²)	800(W/m²)
Average Power Consumption	360(W/m²)	360(W/m²)	360(W/m²)	360(W/m²)
Inout Voltage	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz	AC110V~AC220V 50Hz/60Hz
Operating Temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Cabinet Weight	7.5kg/panel	7.5kg/panel	7.5kg/panel	7.5kg/panel
Operating System	Windows (Win7,Win8,etc.)	Windows (Win7,Win10,etc.)	Windows (Win7,Win10,etc.)	Windows (Win7,Win10,etc.)
Signal Source Compatibility	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc	DVI,HDMI1.3,DP1.2,SDI,HDMI2.0,etc