IR1 PRO Series

Indoor LED Tile for Rental-P1.9, P2.6, P2.9, P3.9, P4.8

- Excellent Cabinet Design
- Good Protection Gadgets
- Superior PCB
- Easy Maintenance
- Strong Locking System
- Great Refresh Rate
- Various Shapes
- Great Gray Scale

Great Cabinet Design

The receiving card, power supply and hub card are placed in the control box in the back of the cabinet. The control box can be swapped out quickly. In case of emergency, you can replace the whole control box in a short time. That greatly reduces the “down time” during the event.

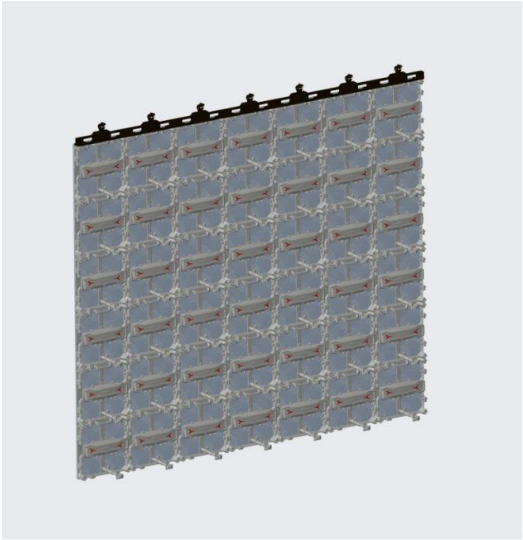
Putting connectors down is for easier pulling out and inserting in. Testing button is to test the panel before building up the screen. Strong locking system and curved design are available. The lock is very secure and strong. It can be designed to be curved to form a curved screen from -15° (convex) to +15° (concave).

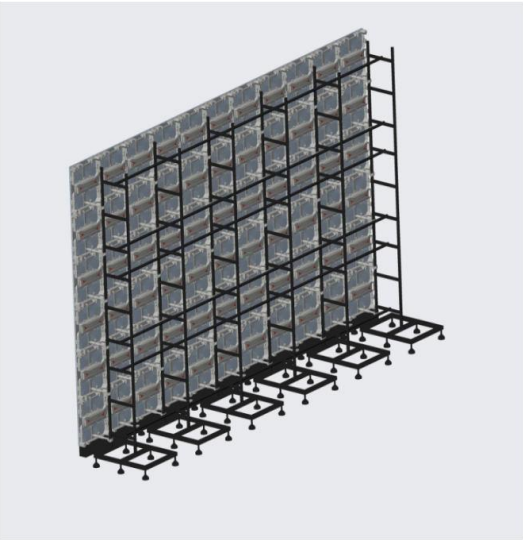
Excellent Protection Gadgets

A “L” shape steel plate on each corner can be turned into the proper direction to raise the modules. This smart design will help to protect the LED when the panel hits the ground

By adopting high tech GOB(P1.9) technology, the screen is waterproof and anti-collision.

We use the innovative “AOB” technology to reinforce the soldering connection between LED and PCB board. So the LED won’t be broken easily.





Fast Ground Stacking Setup

We can hung up the cabinet by fly bar with a truss system and also quickly install the cabinet on the ground with the clamp set and the ground stand system. That is very convenient for the functions such as sports events and exhibition.

Brilliant Visual Performance

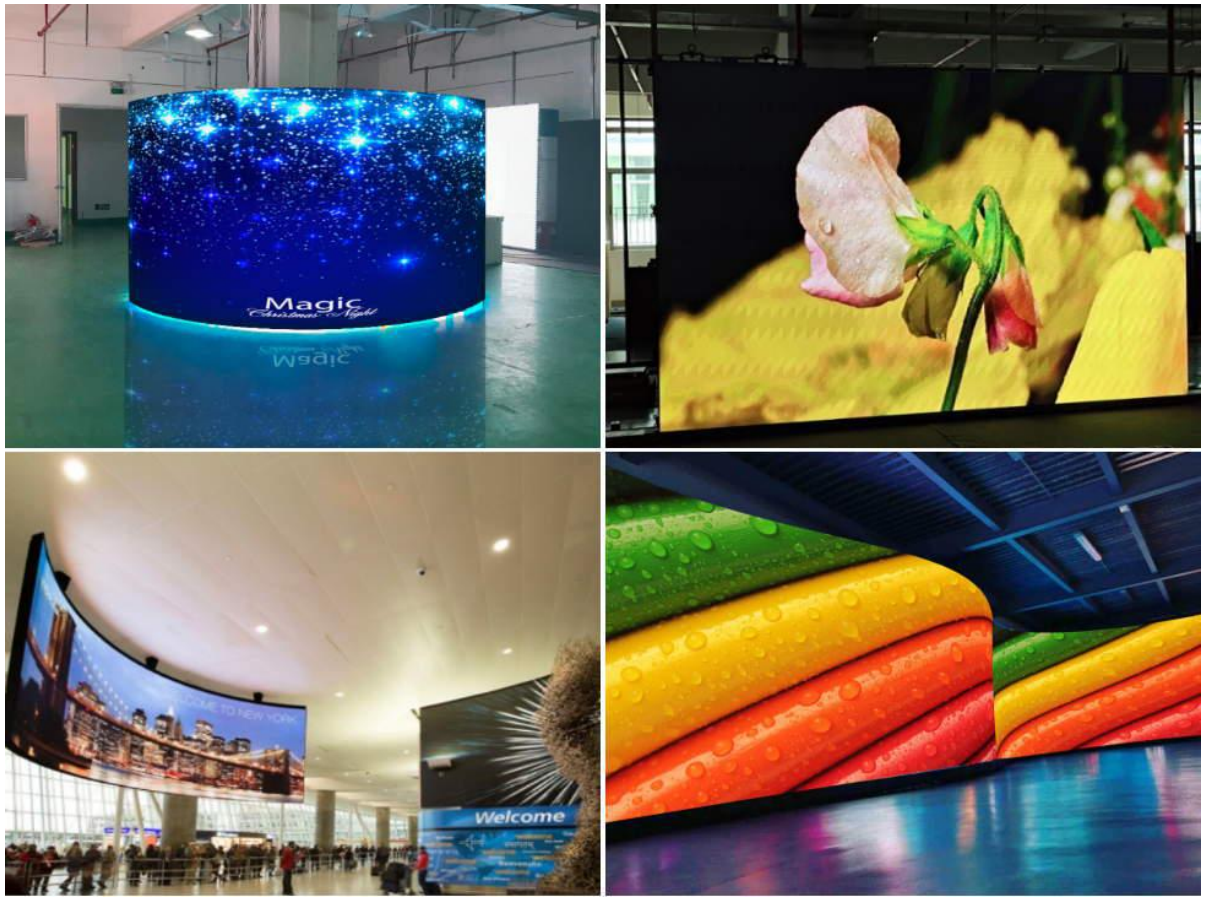
IR1 PRO series always quickly captures the audience's attention and provides unforgettable visual experience for the viewers. Meanwhile, using black LED will increase the color contrast of the screen.

Ultimate Refresh Rate

Up to 3840Hz

Excellent Gray Scale

Up to 16bits



Multiple Scenarios, Creative Display

On the basis of its main features, IR1 Pro series is always used to not only display information but also decorate the place. The screen is able to be assembled to form the following shapes.

- Curved Wall
- Curved Design
- Round Shape

IR1 PRO Parameters

Item	P1.9	P2.6	P2.9	P3.9	P4.8
Pixel Pitch	1.953mm	2.604mm	2.976mm	3.906mm	4.807mm
LED Type	SMD1515	SMD1515	SMD2020	SMD2020	SMD2020
Module Resolution	128dots × 128dots	96dots × 96dots	84dots × 84dots	64dots × 64dots	52dots × 52dots
Driving Mode	1/32scan	1/32scan	1/28scan	1/16scan	1/13scan
Module Pixels	16,384dots	9,216dots	7,056dots	4,096dots	2,704dots
Module Size	250mm × 250mm	250mm × 250mm	250mm × 250mm	250mm × 250mm	250mm × 250mm
Cabinet Size	500mm × 500mm	500mm × 500mm	500mm × 500mm	500mm × 500mm	500mm × 500mm
Cabinet Resolution	256dots × 256dots	192dots × 192dots	168dots × 168dots	128dots × 128dots	104dots × 104dots
Pixel Density	262,144dots/㎡	147,456dots/㎡	112,896dots/㎡	65,536dots/㎡	43,264dots/㎡
Minimum Viewing Distance	≥1.9 m	≥2.6 m	≥2.9 m	≥3.9m	≥4.8m
Brightness	800nits～1,200nits	800nits～1,200nits	800nits～1,200nits	800nits～1,200nits	800nits～1,200nits
IP Grade	IP43	IP43	IP43	IP43	IP43
Refresh Rate	1,920Hz～3,840Hz	1,920Hz～3,840Hz	1,920Hz～3,840Hz	1,920Hz～3,840Hz	1,920Hz～3,840Hz
Gray Scale	13bits～16bits	13bits～16bits	13bits～16bits	13bits～16bits	13bits～16bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	560W/㎡	560W/㎡	560W/㎡	560W/㎡	560W/㎡
Average Power Consumption	160W/㎡	160W/㎡	160W/㎡	160W/㎡	160W/㎡
Input Voltage	AC110V～AC220V @ 50Hz / 60Hz	AC110V～AC220V @ 50Hz / 60Hz	AC110V～AC220V @ 50Hz / 60Hz	AC110V～AC220V @ 50Hz / 60Hz	AC110V～AC220V @ 50Hz / 60Hz
Operating Temperature	- 20℃～65℃	- 20℃～65℃	- 20℃～65℃	- 20℃～65℃	- 20℃～65℃
Operating Humidity	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
Cabinet Weight	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, Win8, etc.)	Windows (Win7, Win8, 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.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.