

SP3 Series

Indoor Fine Pitch LED Display-P1.2, P1.5, P1.8, P2.0, P2.5, P3







Energy Saving



Front Access



Ultra Slim Design



Easy Maintenance



Die-Casting Aluminum







Seamless connection



Flexible and Lightweight

The die-casting aluminum cabinet is engineered to weigh less than 20 kg/sqm, significantly enhancing convenience during installation and transportation.

We offer a variety of cabinet sizes, including:

- 640mm x 640mm
- 640mm x 480mm
- 320mm x 160mm

The pixel pitch P1.2, P1.5, P1.8, P2.0, P2.5 and P3 are available.







Front Access Service

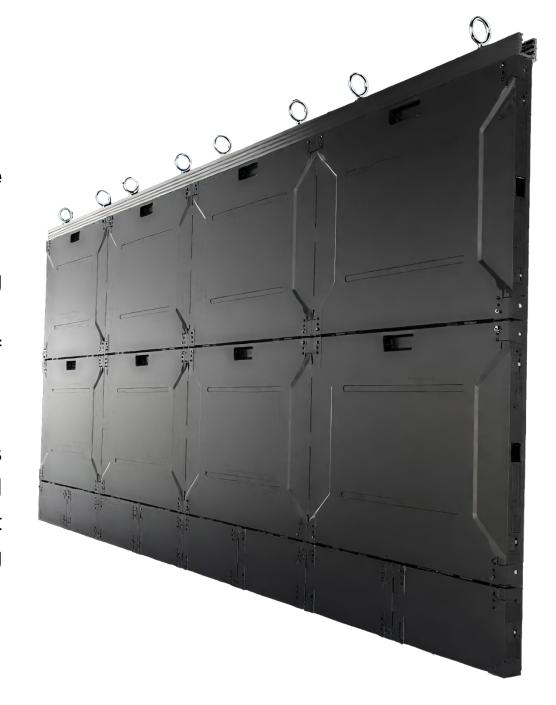
With front access service, the front part of the LED screen can be easily removed, allowing for quick and easy maintenance or replacement of components. This makes it much easier for technicians to fix any issues that may arise with the screen, without having to disassemble the whole screen or move it from its location.



Seamless Connection with Versatile Installation Options

Our cabinet is crafted from high-quality die-casting aluminum, ensuring precise structural integrity. This attention to detail guarantees the flatness of the entire LED screen.

Additionally, our cabinet supports various installation methods such as hanging, wall mounting, and stacking. This versatility makes it suitable for a wide range of venues including shopping malls, stadiums, retail stores, and more.





The cabinet supports both hub pin connections and ribbon cable connections.

The cabinet supports both types of connections, allowing you to choose what best suits your needs.

For those looking for a more cost-effective solution, the ribbon cable connection is an excellent choice.

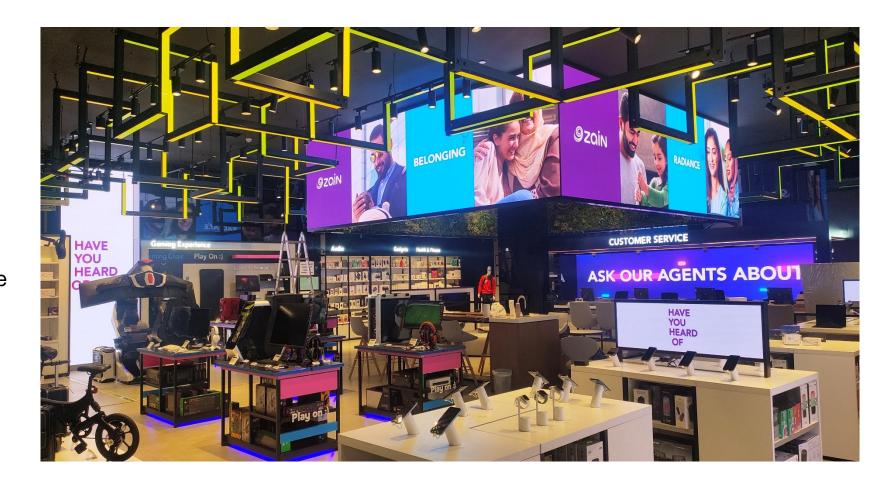
On the other hand, if you prefer the hub pin connection, you'll find that it provides a neater appearance, stronger connectivity, and makes installation easier and faster.





Power and signal redundancy

We have sufficient space to accommodate two power supplies and two receiving cards. This design ensures the reliable operation of the cabinets, as in the event of a malfunction with one of the power supplies or receiving cards, the other will seamlessly take over its function.







Large Viewing Angle

The vertical and horizontal viewing angles of the LED display are 160°, which means the display can be viewed from a wide angle. Multiple viewers can comfortably view the display from different angles without having to adjust their positions, resulting in a more immersive experience.



Application Fields

- Meeting Room
- Exhibition Center
- Shopping Mall
- Airport





Item	P1.2	P1.5	P1.86	P2.0	P2.5	P3.076
Pixel Pitch	1.25mm	1.538mm	1.86mm	2.0mm	2.5mm	3.076mm
LED Type	SMD1010	SMD1212	SMD1515	SMD1515	SMD2020	SMD2020
Module Resolution	256dotsx 128dots	208dotsx 104dots	172dotsx 86dots	160dotsx 80dots	128dots × 64dots	104dots × 52dots
Driving Mode	1/64scan	1/52scan	1/43scan	1/40scan	1/32scan	1/26scan
Module Pixels	21,632dots	21,632dots	14,792dots	12,800dots	8,192dots	5,048dots
Module Size	320mm × 160mm	320mm × 160mm	320mm × 160mm	320mm × 160mm	320mm × 160mm	320mm × 160mm
Cabinet Size	640mm × 480mm	640mm × 480mm	640mm × 480mm	640mm × 480mm	640mm × 480mm	640mm × 480mm
Cabinet Resolution	512dots x 384dots	416dots x 312dots	344dots x 258dots	320dots x 240dots	256dots ×192dots	208dots ×156dots
Pixel Density	640000dots/m²	422500dots/m²	288,906dots/m ²	250,000dots/m ²	160,000 dots/m ²	105,625 dots/m ²
Minimum Viewing Distance	1.25m	1.5m	1.8m	2m	2.5m	3m
Brightness	600-1000nits	600-1000nits	600-1000nits	600-1000nits	600-1000nits	600-1000nits
IP Grade	IP43	IP43	IP43	IP43	IP43	IP43
Refresh Rate	3840Hz ~7680Hz	3840Hz ~7680Hz	3840Hz ~7680Hz	3840Hz ~7680Hz	3840Hz ~7680Hz	3840Hz ~7680Hz
Gray Scale	14bits ~ 22bits	14bits ~ 22bits	14bits ~ 22bits	14bits ~ 22bits	14bits ~ 22bits	14bits ~ 22bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	500W/m²	500W/m ²	500W/m ²	500W/m²	430W/m²	430W/m²
Average Power Consumption	170W/m ²	170W/m ²	170W/m ²	170W/m²	145W/m²	145W/m²
Input 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°C ~ 50°C	- 20°C ~ 50°C	- 20°C ~ 50°C	- 20°C ~ 50°C	- 20°C ~ 50°C	- 20°C ~ 50°C
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	7kg/panel	7kg/panel	7kg/panel	7kg/panel	7kg/panel	7kg/panel
Operating System	Windows (Win7, Win8, etc.)	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.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.