

FL Pro Series

Flexible LED Screen-P1.5, P1.9, P3.9, P6, P8, P10



Multiple Curves



Smooth Surface



Slim Shape



Intelligent Design



High Resolution

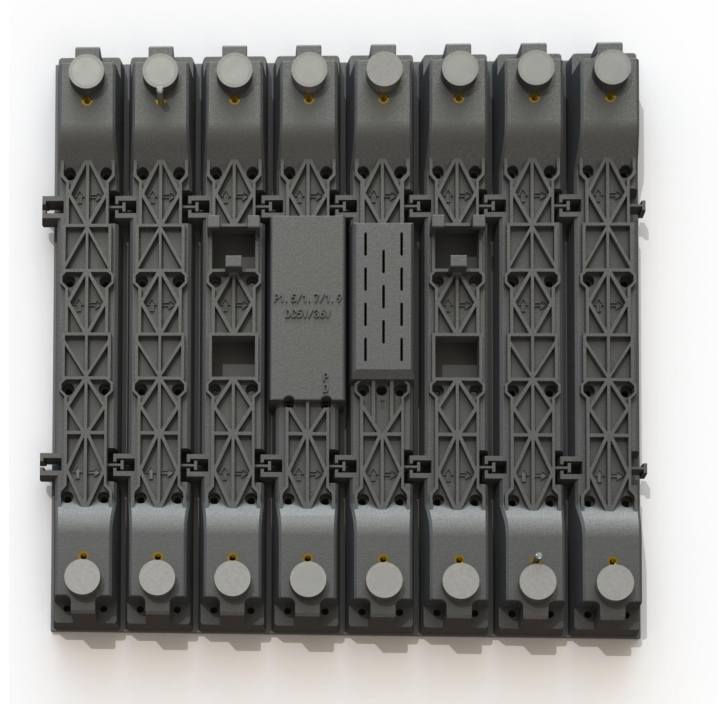


Outdoor IP68
Protection Level

Multiple Curves

The LED module uses soft type material, which makes it possible to be folded into multiple curves or angles.

The smallest diameter of a round LED display is only 600mm(1.97'). And 8 modules could be made into a mini circle.



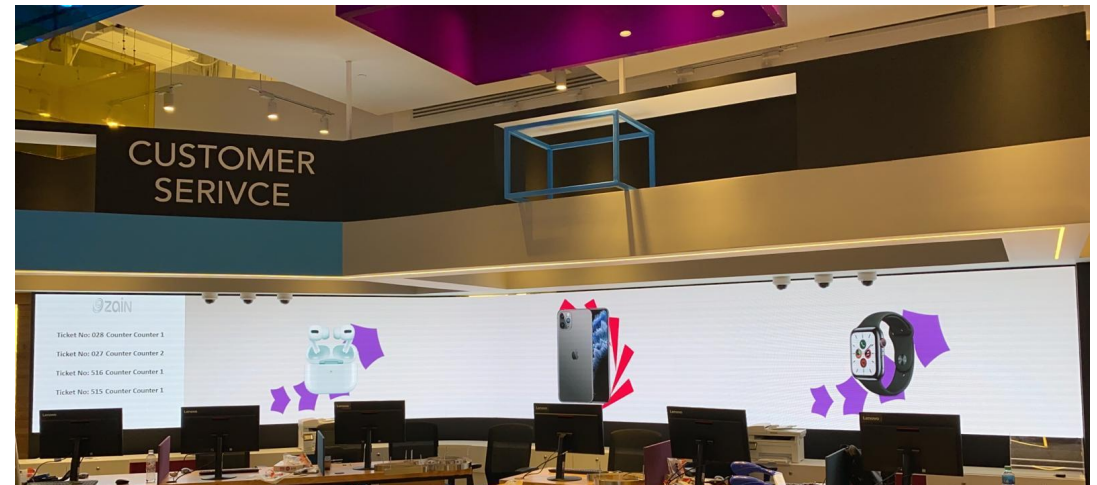


Intelligent Design

Max bending angle is 72° . The PCB and LED will not be damaged with the protect of hard plastic housing. Joint connector design between 2 modules, keeps screen seamless and no displacement.

Smooth Surface

The smooth surface of the FL Pro Series modules allows for: Flat, Concave, Convex, S Shape screen construction.





Superior Resolution

The PREMTECO FL Pro Series P1.5, P1.7 and P1.9 are industry setting, superior display resolutions.

Slim Shape

- Slim PCB: PCB thickness is only 0.6mm with 6 layer
- Slim Module: Each Module thickness is 26.6mm including magnet
- Slim Structure: One Structure could be a slim pieces of iron plate which enable to make varies kinds of shape to suitable for project





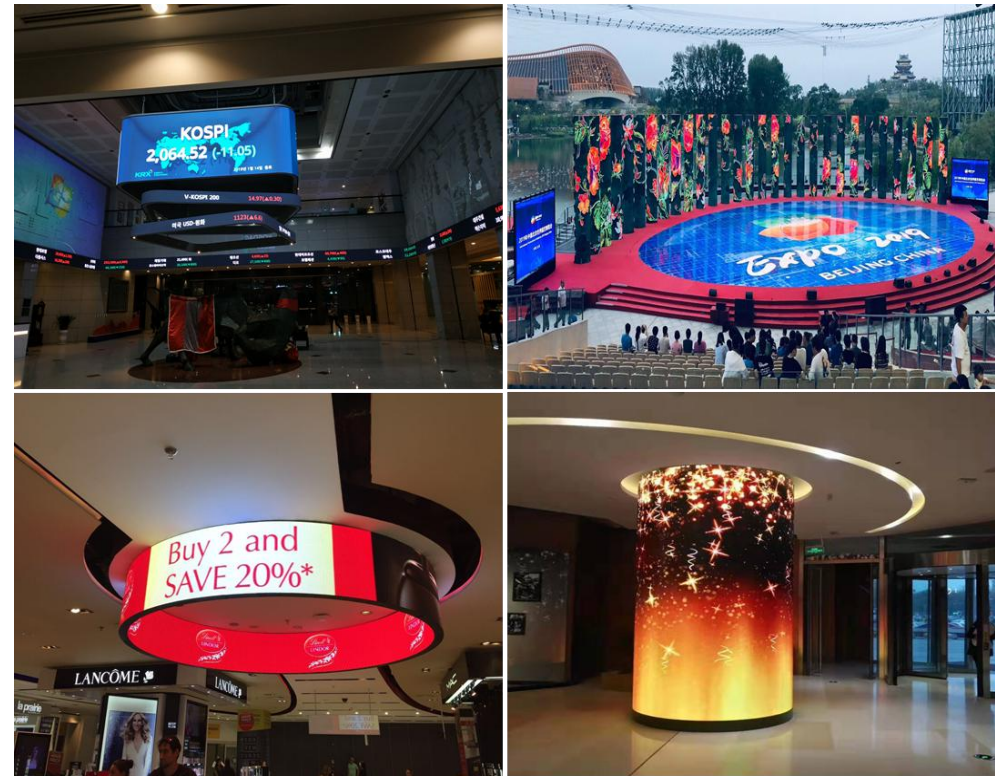
IP68 Rated

Outdoor flexible LED module is available. With the innovated technology, we launched the first outdoor flexible LED display in 2018. The pixel pitch is P3.8 and it has IP68 level of waterproof and dustproof.

Application Fields

In order to fit each different scene, the flexible LED display is made up of superior quality materials with the concise and strong cabinet. This product is usually used in:

- Stages
- Exhibition events
- Shopping centers



FL Pro Indoor series Parameters Indoor

Item	P1.5	P1.7	P1.9	P2.6	P3.9
Pixel Pitch	1.5625mm	1.736mm	1.953mm	2.604mm	3.91mm
LED Type	SMD1010	SMD1010	SMD1010	SMD1515	SMD2020
Module Resolution	160dots × 160dots	144dots × 144dots	128dots × 128dots	96dots × 96dots	64dots × 64dots
Driving Mode	1/32scan	1/29scan	1/32scan	1/24scan	1/16scan
Module Pixels	25,600dots	20,736dots	16,384dots	9,216dots	4,096dots
Module Size	250mm × 250mm	250mm × 250mm	250mm × 250mm	250mm × 250mm	250mm × 250mm
Cabinet Size	Customized	Customized	Customized	Customized	Customized
Cabinet Resolution	Customized	Customized	Customized	Customized	Customized
Pixel Density	409,600dots/m ²	331,776dots/m ²	262,144dots/m ²	147,456dots/m ²	65,536dots/m ²
Minimum Viewing Distance	≥1.5m	≥1.7m	≥1.9m	≥2.6m	≥3.9m
Brightness	800nits~1,000nits	800nits~1,000nits	800nits~1,000nits	800nits~1,000nits	800nits~1,000nits
IP Grade	IP43	IP43	IP43	IP43	IP43
Refresh Rate	≥3,840Hz	≥3,840Hz	≥3,840Hz	≥3,840Hz	≥3,840Hz
Gray Scale	13bits~24bits	13bits~24bits	13bits~24bits	13bits~24bits	13bits~24bits
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	750W/m ²	680W/m ²	618W/m ²	500W/m ²	350W/m ²
Average Power Consumption	250W/m ²	225W/m ²	206W/m ²	150W/m ²	105W/m ²
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°C~65°C	-20°C~65°C	-20°C~65°C	-20°C~65°C	-20°C~65°C
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum	Iron / Aluminum
Cabinet Weight	35kg/m ²	35kg/m ²	35kg/m ²	35kg/m ²	50kg/m ² or 40kg/m ²
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.

FL Pro Outdoor series Parameters Indoor

Item	P6.6	P8	P10
Pixel Pitch	6.667mm	8mm	10mm
LED Type	SMD2727(outdoor)	SMD3535(outdoor)	SMD3535(outdoor)
Module Resolution	48dots × 48dots	40dots × 40dots	32dots × 32dots
Driving Mode	1/6scan	1/4scan	1/2scan
Module Pixels	2,304dots	1,600dots	1,024dots
Module Size	320mm × 320mm	320mm × 320mm	320mm × 320mm
Cabinet Size	Customized	Customized	Customized
Cabinet Resolution	Customized	Customized	Customized
Pixel Density	22,500dots/m ²	15,625dots/m ²	10,000dots/m ²
Minimum Viewing Distance	≥6.6m	≥8m	≥10m
Brightness	5,500nits	5,500nits	5,500nits
IP Grade	IP68	IP68	IP68
Refresh Rate	1,920Hz~3,840Hz	1,920Hz~3,840Hz	1,920Hz~3,840Hz
Gray Scale	13bits~16bits	13bits~16bits	13bits~16bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	800W/m ²	800W/m ²	800W/m ²
Average Power Consumption	230W/m ²	230W/m ²	230W/m ²
Input Voltage	AC110V~AC220V @ 50Hz / 60Hz	AC110V~AC220V @ 50Hz/60Hz	AC110V~AC220V @ 50Hz/60Hz
Operating Temperature	- 20℃~65℃	- 20℃~65℃	- 20℃~65℃
Operating Humidity	10%~90%	10%~90%	10%~90%
Cabinet Material	Iron / Aluminum	Iron / Aluminum	Iron / Aluminum
Cabinet Weight	50kg/m ² or 40kg/m ²	50kg/m ² or 40kg/m ²	50kg/m ² or 40kg/m ²
Operating System	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.