PREMTECO
INNOVATIVE VISUAL TECHNOLOGIES

FA1 Max

Outdoor Front Access LED Display

⚖ Lightweight	🔧 High stability	▣ Cable Free	$ Super Cost-effective
☀ ≥ 10000nits	♻ 50% Energy Saved	❀ Aluminium cabinet	💧 IP66

Slim and lightweight design

The aluminum cabinet is designed to be 23.5kgs lighter than conventional cabinets in the market. Lighter cabinets provide more convenience for installation. 1m by 1m panel size can be easily assembled into big screen of different dimensions. In order to fit some special screen areas, we can also make 1m x 0.5m panel size.

- 1000(w)mm x 1000(h)mm or 1000(w)mm x 500mm(h)
- 83mm thickness
- 23.5kgs weight

The pixel pitch P3.9, P4.8, P6.2, P7.8 and P10.4 are available.

Fast front and rear access

The modules, power supply, receiving card, and other components can be disassembled from the front, which is convenient for the maintainer to maintain the LED screen.At the same time, traditional rear maintenance is also supported. You could choose anyone according to the actual situation.

Universal modules size and cabinet size

The module size of all pitches is 500x250mm-a whole series. Different pixel pitches own same module back shell design, so the same cabinet frame can be replaced with different pitch module, and one cabinet frame can be reused to save cost.
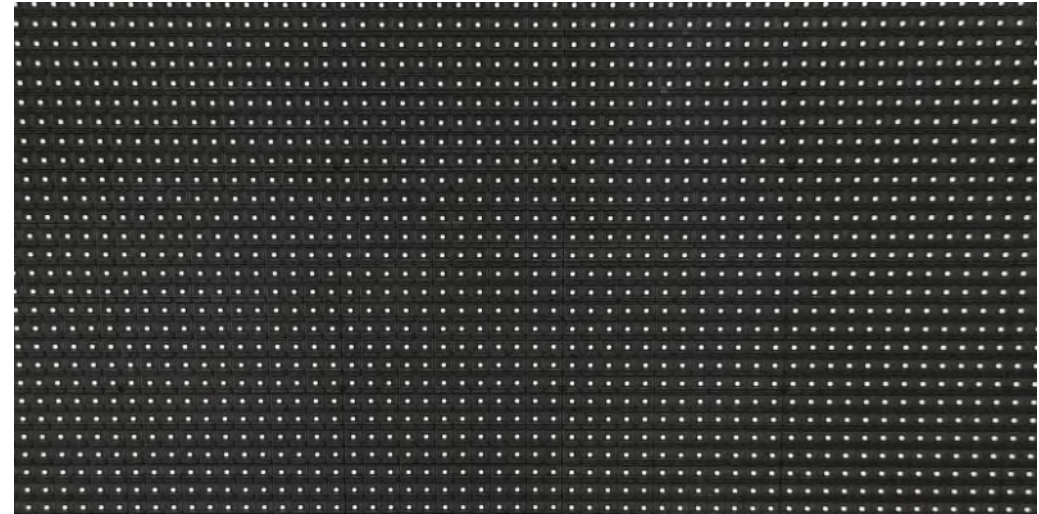
Good heat dissipation

All aluminum material is more durable and highly stable than traditional steel one. Meanwhile, heat dissipation of aluminum is much better than others in the market. As the electronic components can be cooled down quickly, their lifespan will be longer.
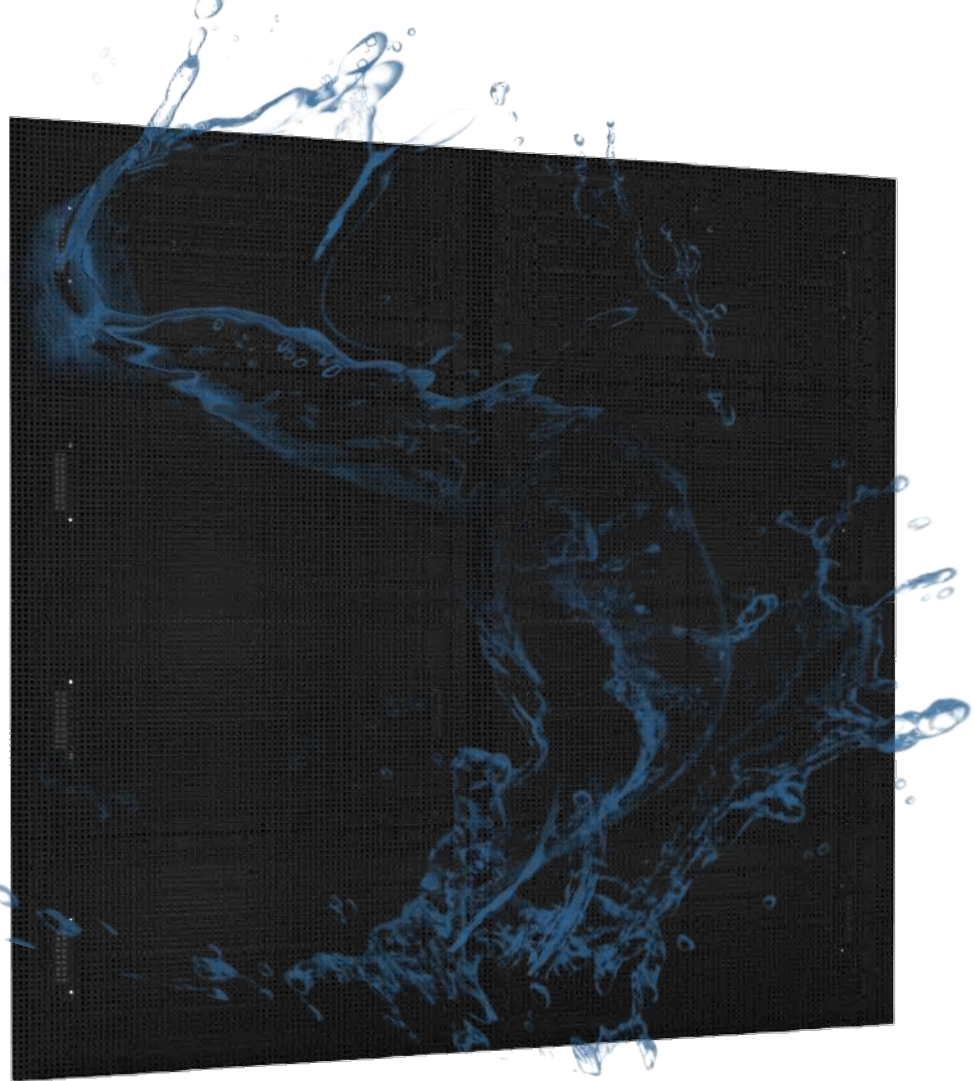
Thermally conductive silicone grease was pasted between the power supply and cabinet. Its main function is to make the power supply and the cabinet stick together better and improve the power supply's heat dissipation ability.

Cable free module with dual pin

This design doesn't require the ribbon cable, so the signal connection of the modules is much better than common designs in the market.

What's more, we use signal pin dual sockets which is not only easy to replace modules, but also increase module usage.

Protective Method: IP 66

The LED screen in outdoor scenes will face more challenges than the indoor ones such as the damage of dust and water. To make the LED screen function safely and stably in outdoor scenes, we adopt advanced protective methods to withstand heavy rain and strong winds for a long time. The IP66 design can isolate electronic parts from humidity and dust, so the screen is more reliable.

Hight Brightness up to 10,000nits

To display clearly what is on the LED screen in outdoor scenes, we adopt the new methods of superior PCB design and LED chip to make brightness reach more than 10000nits. With the ultra-high brightness, refresh rate and gray scale, the visual performance of the screen is unexceptionable.

Support 3D Technology

Thanks for the high precise CNC cabinet production, our FA1 Max Series supports innovative 3D technology by offering the gapless cabinet splicing in the corner. At the same time, super light weight reduces the pressure of building structure.

High quality screen keeps helping the realization of new technology and shines the public.

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Applications

To fit every different scene, our products utilize superior materials with a concise and strong structure, and various installation methods make it flexible and easy to apply.

This product is usually used in：
- **Truck Trailers;**
- **Scoreboards;**
- **Digital Out Of Home(DOOH).**

FA1 MAX Parameters

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Item	P3.9	P4.8	P6.2	P7.8	P10.4
Pixel Pitch	3.90625mm	4.8076mm	6.25mm	7.8125mm	10.416mm
LED Type	SMD1921	SMD1921	SMD2727	SMD2727	SMD2727
Module Resolution	128dots × 64dots	104dots × 52dots	80dots x 40dots	64dots x 32dots	48dots x 24dots
Driving Mode	1/16scan or 1/8scan	1/13scan or 1/7scan	1/5scan	1/4scan	1/2scan
Module Pixels	8192dots	5408dots	3200dots	2048dots	1152dots
Module Size	500mm x 250mm	500mm x 250mm	500mm x 250mm	500mm x 250mm	500mm x 250mm
Cabinet Size	1000 x 1000mm/1000x500mm	1000 x 1000mm/1000x500mm	1000 x 1000mm/1000x500mm	1000 x 1000mm/1000x500mm	1000 x 1000mm/1000x500mm
Cabinet Resolution	256dots x 256dots	208dots x 208dots	160dots x 160dots	128dots x 128dots	96dots x 96dots
Pixel Density	65,410dots/m²	43,222dots/m²	25,600dots/m²	16,394dots/m²	9227dots/m²
Minimum Viewing Distance	≥3.9 m	≥4.8 m	≥6.2 m	≥7.8 m	≥10.4 m
Brightness	6,500nits ~ 10,000nits	6,500nits ~ 10,000nits	6,500nits ~ 10,000nits	6,500nits ~ 10,000nits	6,500nits ~ 10,000nits
IP Grade	IP66	IP66	IP66	IP66	IP66
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 ~ 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	550W/m²	550W/m²	550W/m²	550W/m²	550W/m²
Average Power Consumption	150W/m²	150W/m²	150W/m²	150W/m²	150W/m²
Input Voltage	AC110V - AC220V @ 50Hz/60Hz	AC110V - AC220V @ 50Hz/60Hz	AC110V - AC220V @ 50Hz/60Hz	AC110V - AC220V @ 50Hz/60Hz	AC110V - AC220V @ 50Hz/60Hz
Operating Temperature	- 40℃ ~ 60℃	- 40℃ ~ 60℃	- 40℃ ~ 60℃	- 40℃ ~ 60℃	- 40℃ ~ 60℃
Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%	10%~90%
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Cabinet Weight	23.5kg/sqm	23.5kg/sqm	23.5kg/sqm	23.5kg/sqm	23.5kg/sqm
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.