PREMTECO
INNOVATIVE VISUAL TECHNOLOGIES

FA2 Max

Outdoor Front Access LED Display

⚖ Lightweight

🔧 High stability

▣ Cable Free

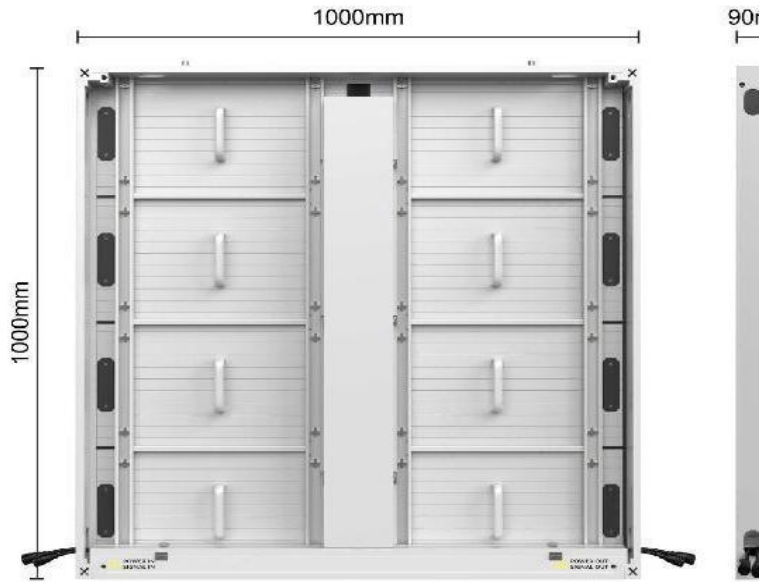$ Cost-effective

☀ ≥ 10000nits

♻ 50% Energy Saved

❀ Aluminium Module Case

💧 IP68

Slim and lightweight design

The aluminum cabinet is designed to be 28kgs 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 other panel sizes.

- 1m(w) x 1m(h), 1.5m(w) x 1m(h), 1m(w) x 0.5m(h)
- 90mm thickness
- 28.5kgs weight

The pixel pitch P2.9, P3.9, P4.8, P6.2, P7.8 and P10.4 are available.

Better 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.

Steel

Aluminum

Plastic seal

Metal heat dissipation backboard
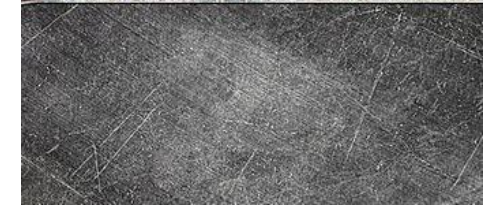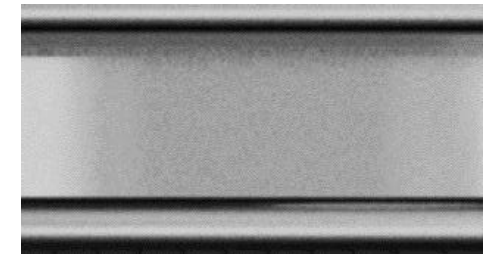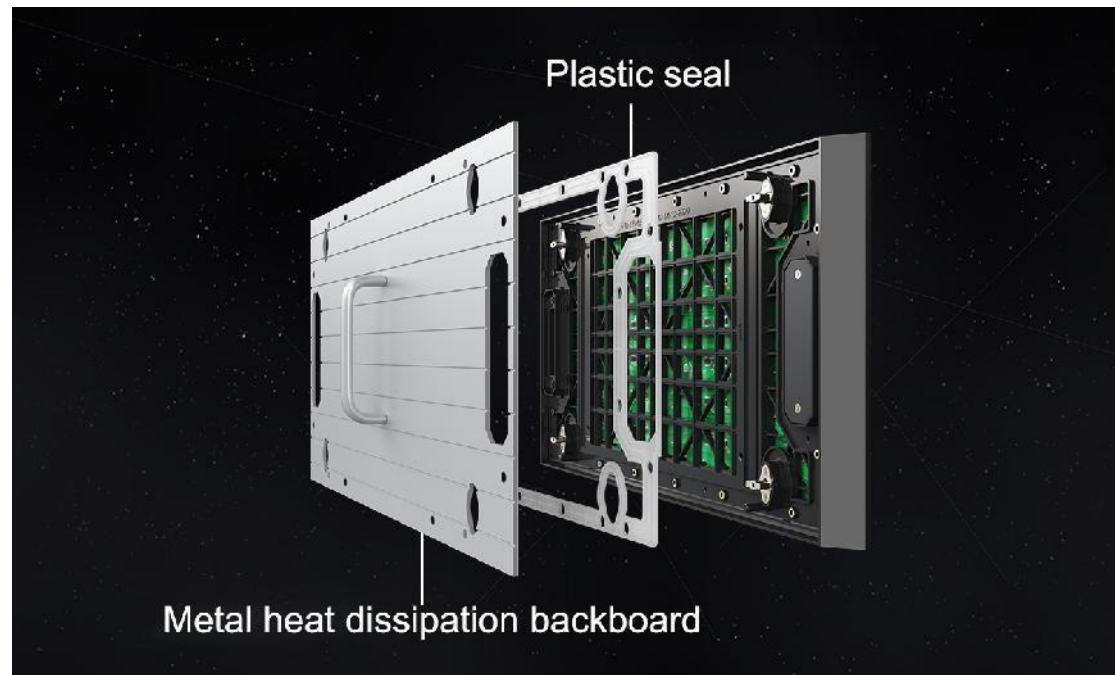
Cable free with dual sockets

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 easy to replace modules. There is no need to confuse about the direction.

Fast front access

Front access design which is more convenient for installation. The concise structure and light weight are designed to reduce the pressure of construction and transportation. 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.

Extremely Protective Method: IP 68

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. The IP68 design can isolate electronic parts from humidity and dust, so the screen is more reliable.

Energy conservation

1) Maximum power consumption: 550W/sqm.
The maximum power consumption of other products in the market is 800 w/sam, while that of our products is only 550 w/sqm. The dual power supply design saves half power consumption, which is superior to the traditional use.

2) Two brightness options: 6000nits and 10000nits.
6000nits brightness: the product can work properly for more than 5 years with a 2-year warranty
10000nits brightness:the screen can work properly for more than 8 years with a 5-year warranty.

Energy saving

HUB connection

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Application Fields

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).**

FA2 Max Parameters

Item	P2.9	P3.91	P4.8	P6.2	P7.8	P10.4
Pixel Pitch	2.9761mm	3.906mm	4.807mm	6.25mm	7.8125mm	10.417mm
LED Type	SMD1415	SMD1921	SMD1921	SMD2727	SMD2727	SMD2727
Module Resolution	168dots × 84dots	128dots × 64dots	104dots × 52dots	80dots x 40dots	64dots x 32dots	48dots x 24dots
Driving Mode	1/14scan	1/16scan or 1/8scan	1/7scan	1/5scan	1/4scan	1/2scan
Module Pixels	14,112dots	8192dots	5408dots	3200dots	2048dots	1152dots
Module Size	500mm x 250mm	250mm x 500mm	250mm x 500mm	250mm x 500mm	250mm x 500mm	250mm x 500mm
Cabinet Size	1000mm x 1000mm	1000mm x 1000mm	1000mm x 1000mm	1000mm x 1000mm	1000mm x 1000mm	1000mm x1000mm
Cabinet Resolution	336dots x 336dots	256dots x 256dots	208dots x 208dots	160dots x 160dots	128dots x 128dots	96dots x 96dots
Pixel Density	112,896dots/m²	65,536dots/m²	43,264dots/m²	25,600dots/m²	16,384dots/m²	9216dots/m²
Minimum Viewing Distance	≥2.9 m	≥3.9 m	≥4.8 m	≥6.2 m	≥7.8 m	≥10m
Brightness	5,000nits～6,000nits	4,500nits or 6,000nits	6,000nits	6,500nits or 9,000nits	6500nits or 9500nits	6,500nits or 10,000nits
IP Grade	IP68	IP68	IP68	IP68	IP68	IP68
Refresh Rate	1,920Hz～3,840Hz	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	13bits～24bits
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	550W/m²	800W/m²	800W/m²	720W/m²	650W/m²	650W/m²
Average Power Consumption	150W/m²	265W/m²	265W/m²	240W/m²	220W/m²	220W/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℃～65℃	−20℃～50℃	−20℃～50℃	−20℃～50℃	−20℃～50℃	−20℃～50℃
Operating Humidity	10%～90%	10%～90%	10%～90%	10%～90%	10%～90%	10%～90%
Cabinet Material	Aluminum	Aluminum profile	Aluminum profile	Aluminum profile	Aluminum profile	Aluminum profile
Cabinet Weight	28kg/sqm	30kg/sqm	30kg/sqm	30kg/sqm	30kg/sqm	30kg/sqm
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.