

FC Series

4.44/5.7/6.67/8/10mm



High Quality Outdoor LED Display

The FC Series Aluminum Outdoor LED Display is the ideal solution for outdoor fixed installations, combining durability and advanced design features. Crafted with die-casting cabinets and aluminum modules, it excels in heat dissipation, ensuring optimal performance in various outdoor conditions.



Common Cathode
Energy Saving



Slim and Lightweight
Design



Fireproof and Flame-
retardant



IP66



Front and Rear
Maintenance



Modular Design



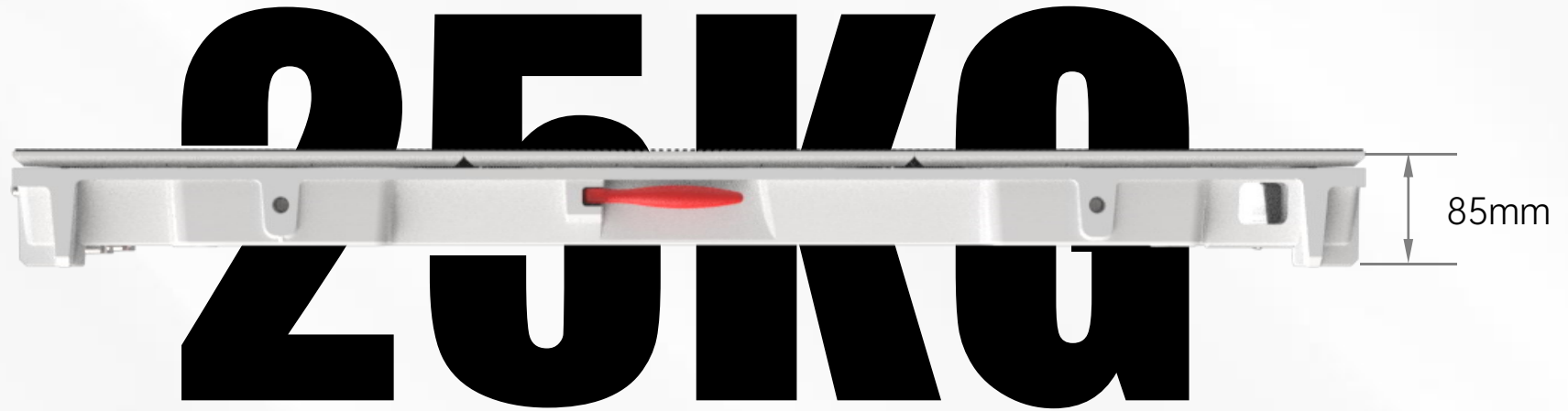
Rapid Heat Dissipation



10000nits brightness

LIGHT WEIGHT

Die-casting cabinet with CNC machined to ensure high precision and flatness, The cabinet weighs only 25kg and has a thickness of 85mm, improving installation efficiency and saving transportation costs.



Convenient Front-Rear Service

It supports front-rear service. Module adopts fast lock to have more convenient installation and dismantlement.



Modular Design



Module Safety Rope
Anti-drop



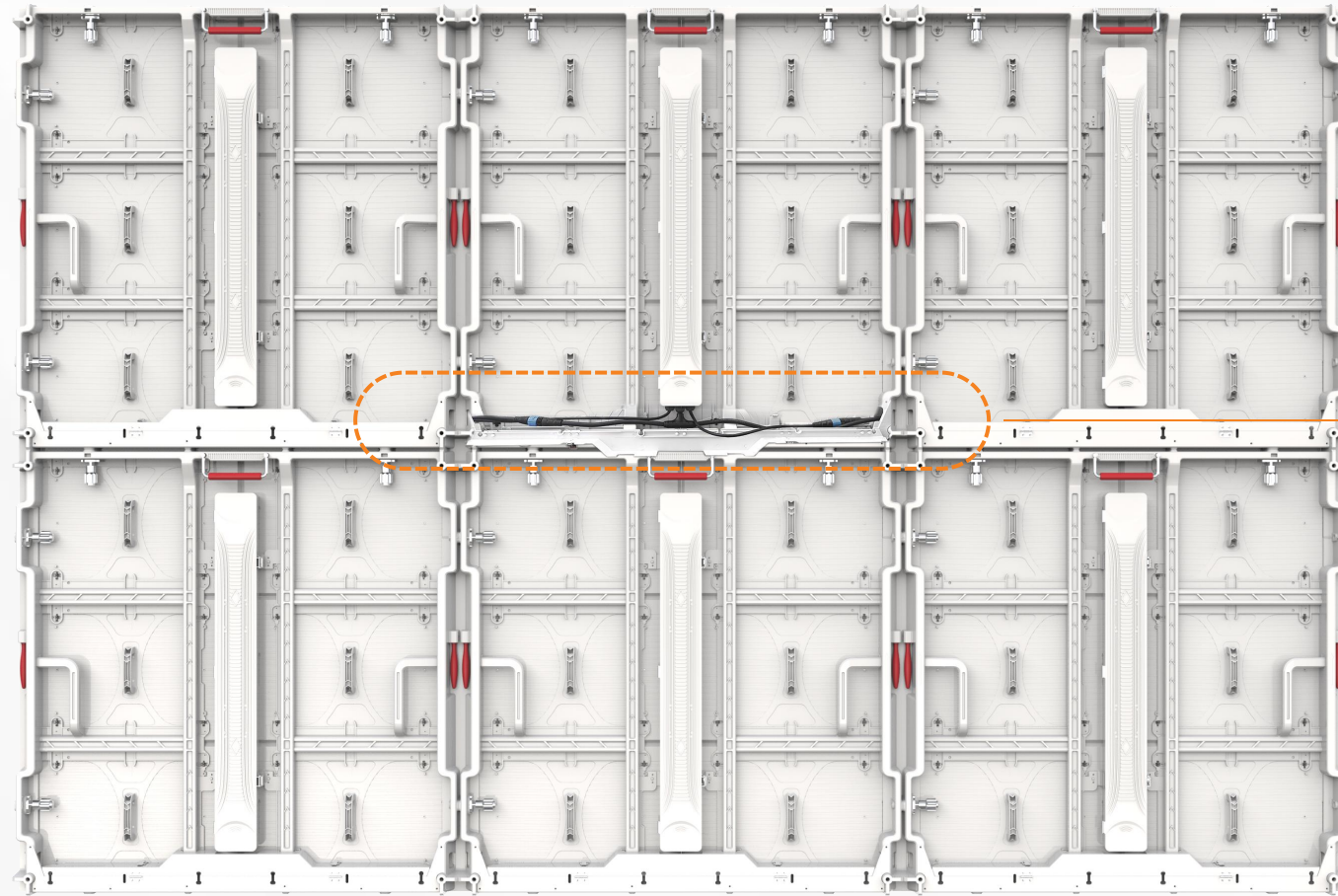
Front Service



Rear Service

Concealed & Waterproof Cable Design

The FC series features hidden power and signal wiring with aviation connectors and built-in tail caps, offering a neater appearance, improved waterproofing, and faster installation.



Open Hidden Cables Box

Creative Installation

Support 90° curved splicing.



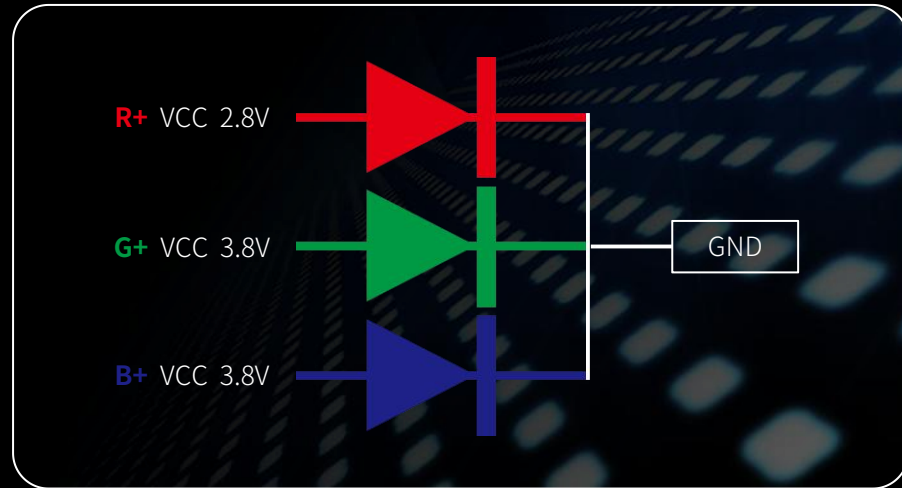
90° curved



Curved Cabinet

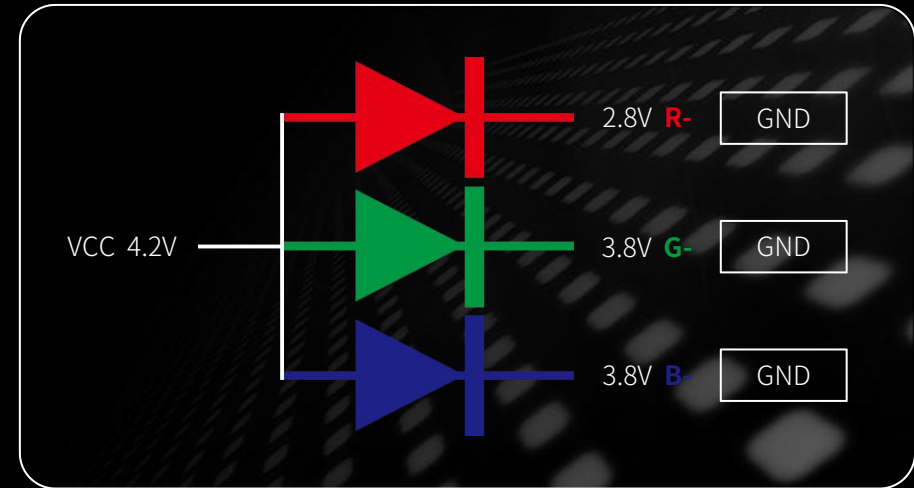
CCT VS CAT

Compared to other DIP products, our product saves energy by 25%, leading to lower operational costs and higher ROI.



Common Cathode Technology
(CCT)

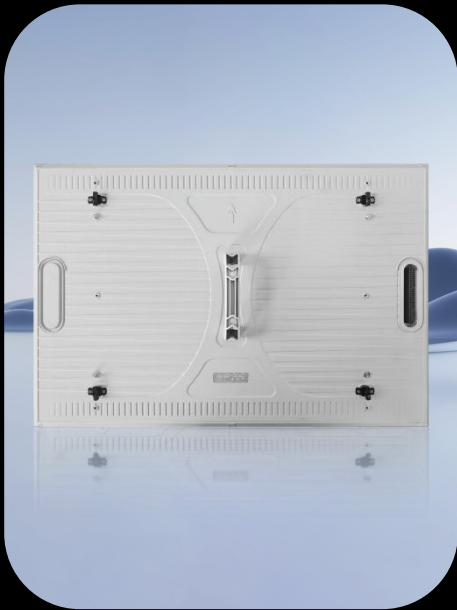
VS



Common Anode Technology
(CAT)

Excellent Heat Dissipation

Multiple unique heat dissipation designs, contact thermal conductance accelerates heat dissipation, fin Shape Structure for bigger heat dissipation area. Reduces the entire screen's temperature by 20% compared to other traditional led displays.



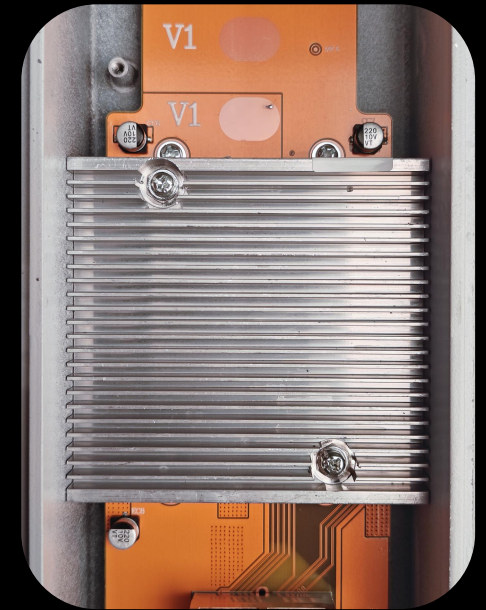
Aluminum Module



Breather Valve
Design



Heat Dissipation Fin
Design

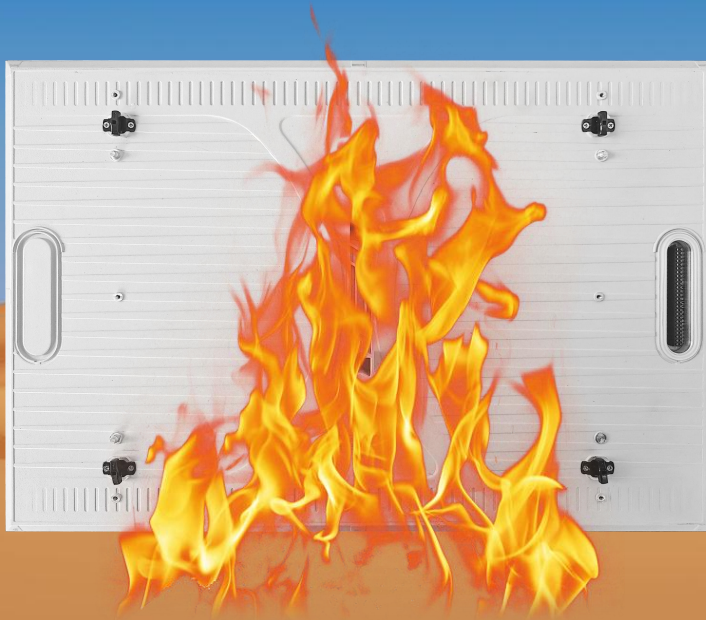


Receiver Card Heat
Dissipation (Optional)

*Thermal conductivity of aluminum: 237 W/(m·K)

Fireproof and Flame-retardant

The module adopts all aluminum die-casting, which is fireproof and flame-retardant.



Aluminum Module



Plastic Module

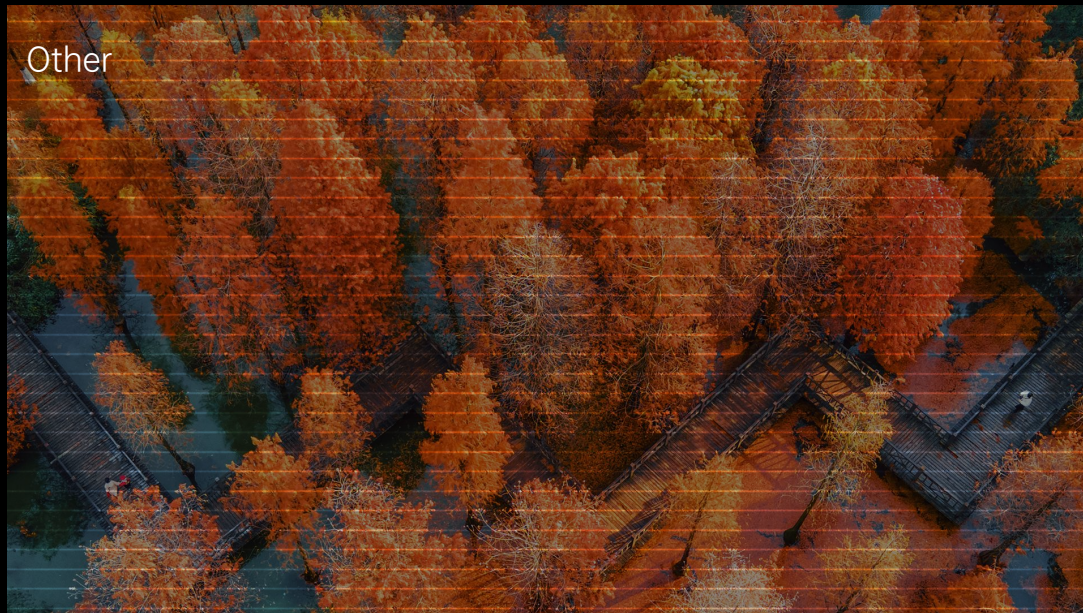
IP66 Weather Protection

With IP66 protection on both front and rear sides, the cabinet is fully sealed and resistant to dust, rain, and snow. It supports direct outdoor exposure without additional enclosure, ensuring reliable performance in harsh weather conditions.

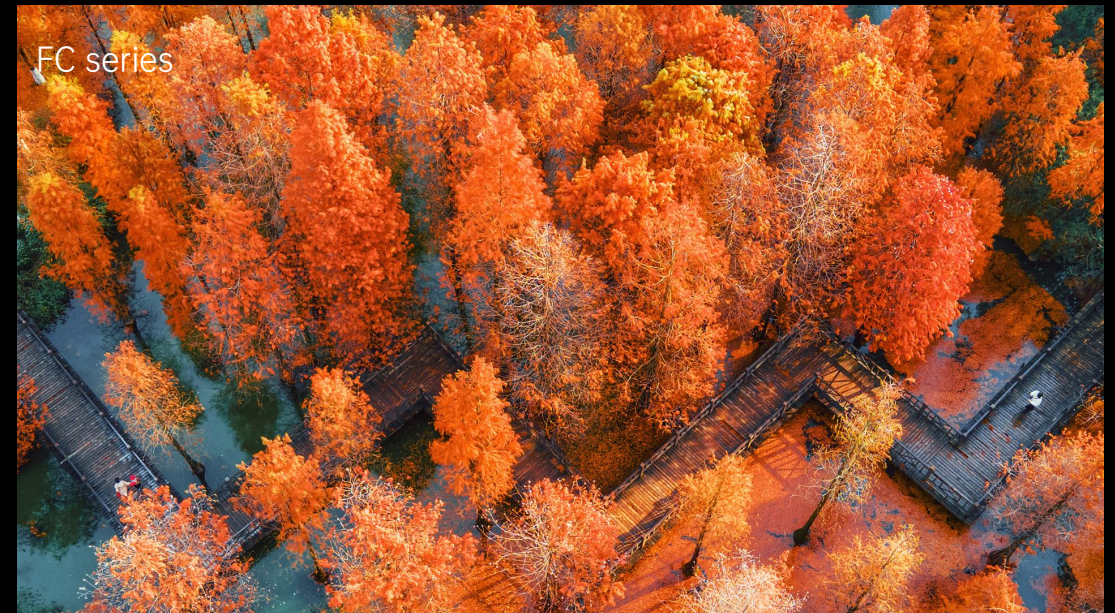


High Refresh Rate

Display without shadow and flicker, resulting in a more realistic and delicate display with vibrant and saturated colors.



Low Refresh Rate



High Refresh Rate

Delicate picture quality

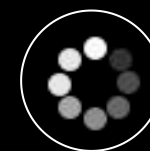
High grayscale, high contrast ratio and Large viewing angle, delicate picture quality, vivid display performance.



140°/120°
Large viewing angle



15000:1
high contrast ratio



14-16bit
High grayscale

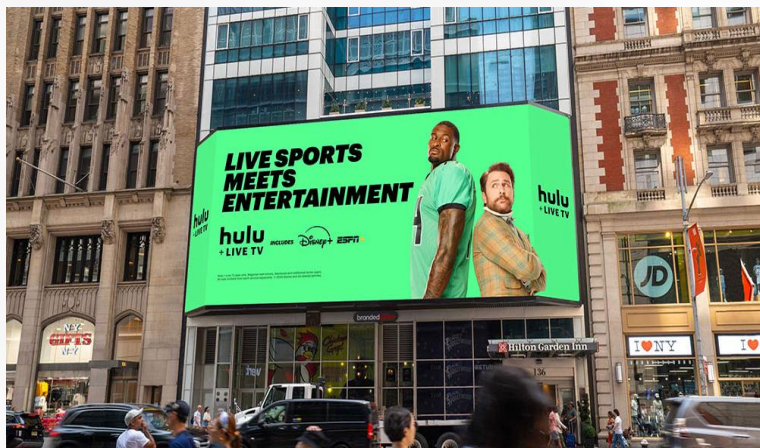
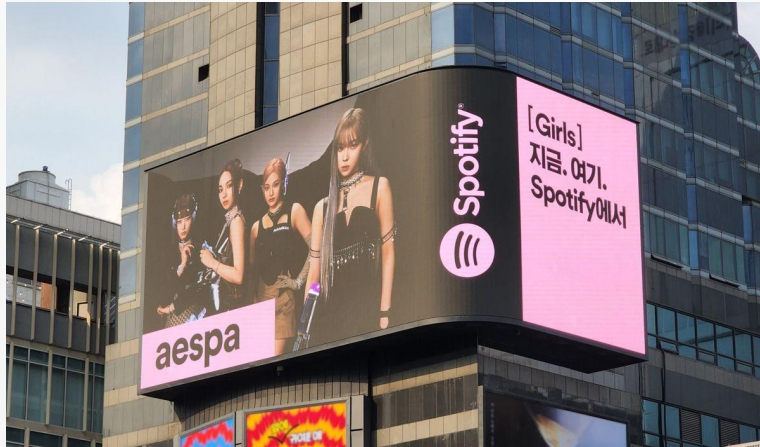
Specification



Pixel Pitch	FC4.44	FC5.7	FC6.67	FC8	FC10
SMD Type	1921	2727	2727	2727	2727
Module Resolution(W×H)	108×72	84×56	72×48	60×40	48×32
Cabinet Resolution(W×H)	216×216	168×168	144×144	120×120	96×96
Cabinet Material	Die-casting Cabinet	Die-casting Cabinet	Die-casting Cabinet	Die-casting Cabinet	Die-casting Cabinet
Module Size(mm)	480×320	480×320	480×320	480×320	480×320
Cabinet Size(mm)	960×960×85	960×960×86	960×960×87	960×960×88	960×960×88
Cabinet Weight(kg/cabinet)	25	25	25	25	25
Maintenance Method	Front & Rear	Front & Rear	Front & Rear	Front & Rear	Front & Rear
IP Rating	IP66	IP66	IP66	IP66	IP66
Brightness(nits)	≥5500	≥6500	≥6500	≥6500	≥6500
Color Temperature(K)	6500-9000 optional	6500-9000 optional	6500-9000 optional	6500-9000 optional	6500-9000 optional
Visual Angle(H/V)	140°/ 120°	140°/ 120°	140°/ 120°	140°/ 120°	140°/ 120°
Input Voltage	AC100~240V	AC100~240V	AC100~240V	AC100~240V	AC100~240V
IC Driving(s)	1/9	1/7	1/6	1/3	1/2
Refreshing Ratio	3840/7680Hz	3840/7680Hz	3840/7680Hz	3840/7680Hz	3840/7680Hz
Max power consumption(W/m2)	≤550	≤550	≤550	≤550	≤550
Avg. power consumption(W/m2)	≤186	≤186	≤186	≤186	≤186

Applications

Outstanding outdoor display solutions for a wide array of applications in all different areas and environments.





THANKS