



PINGZHOU

FH Series

2.97/3.91/4.81/6.25/7.81/10.42mm



High Quality Outdoor LED Display

The FH Series outdoor LED display is the latest outdoor fixed LED display. It features a unique cabinet design with dimensions of 1000×1000/1000×750/1000×500/500×1000/500×750/500×500mm and a unique module design with 500*250mm size. This display offers ultra-low heat, resulting in electricity saving while providing an excellent visual experience.



Common Cathode
Energy Saving



Slim and Lightweight
Design



Fireproof and Flame-
retardant



IP66



Front and Rear
Maintenance



Modular Design



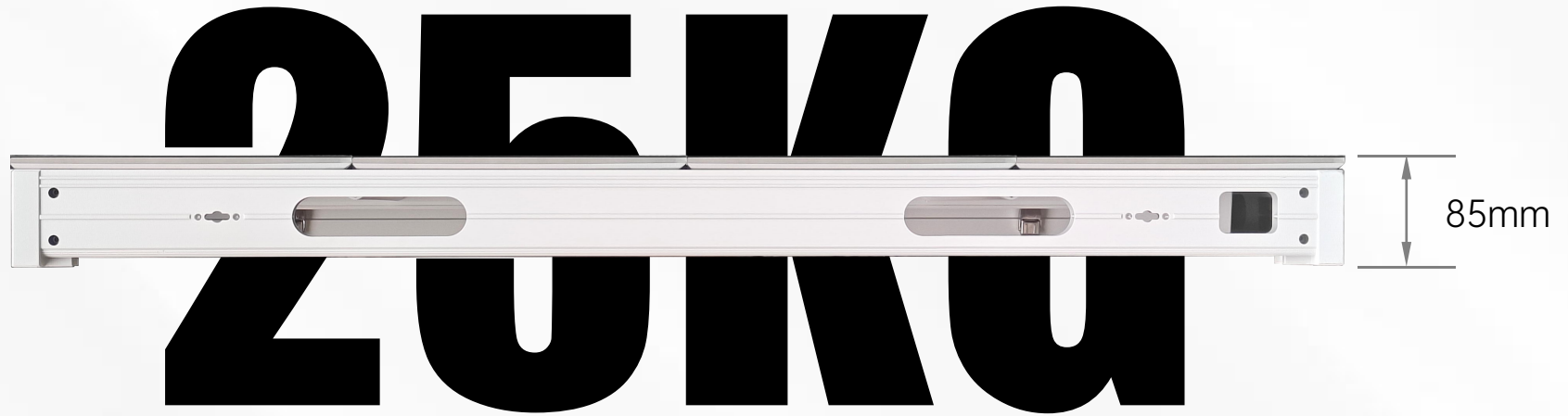
Rapid Heat Dissipation



10000nits brightness

LIGHT WEIGHT

Aluminum profile cabinet with CNC machined to ensure high precision and flatness, The 1m x 1m cabinet weighs only 25kg and has a thickness of 85mm, improving installation efficiency and saving transportation costs.



Custom Sizes



500×500mm



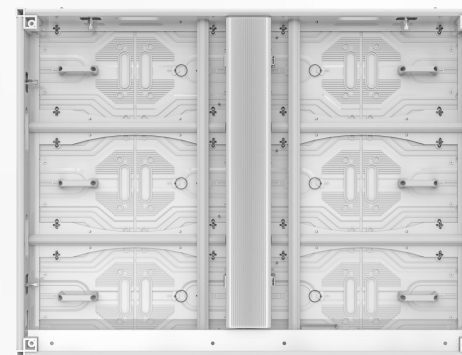
500×750mm



500×1000mm



1000×500mm



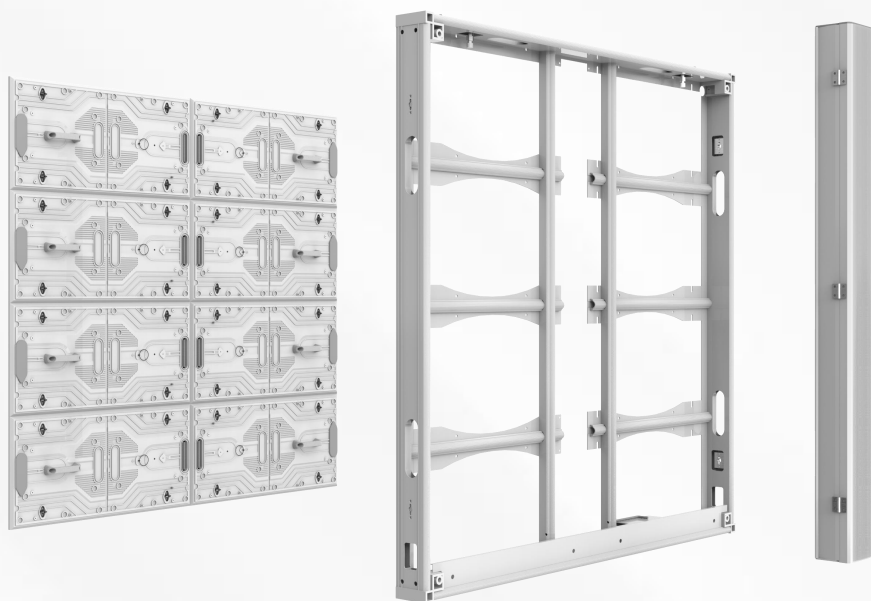
1000×750mm



1000×1000mm

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



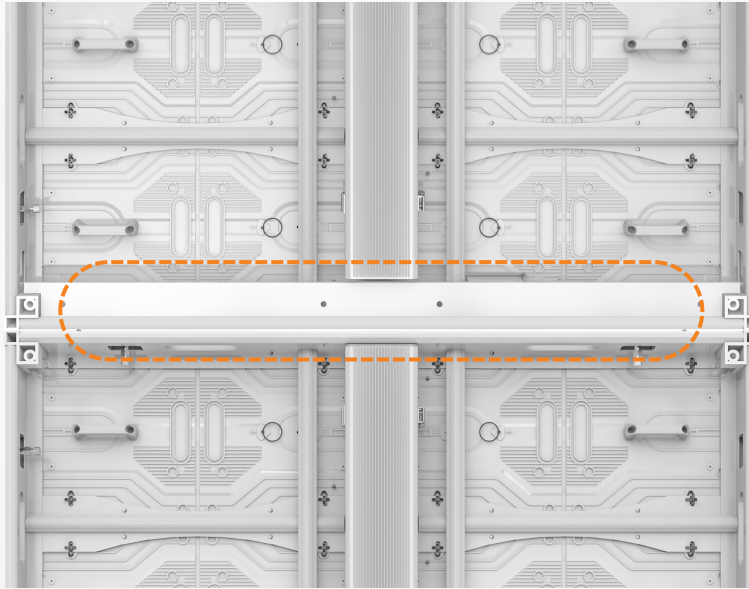
Front Service



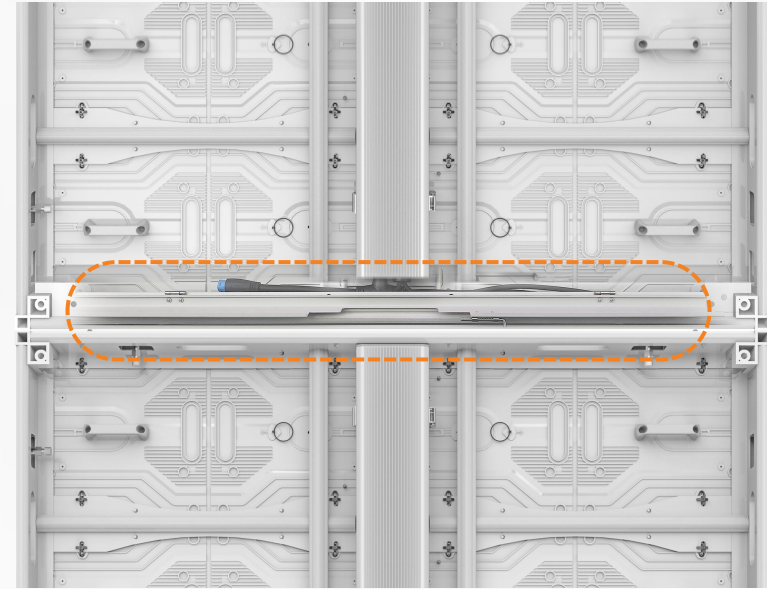
Rear Service

Concealed & Waterproof Cable Design

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



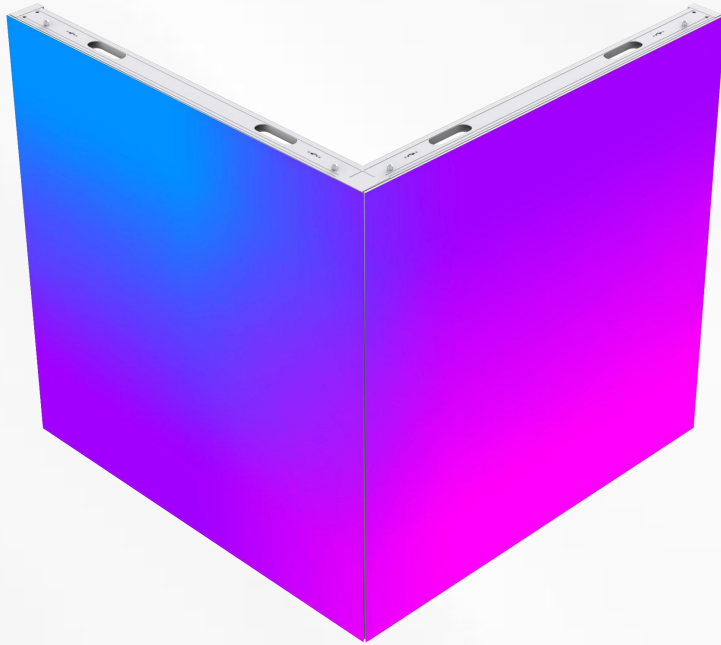
Close Hidden Cables Box



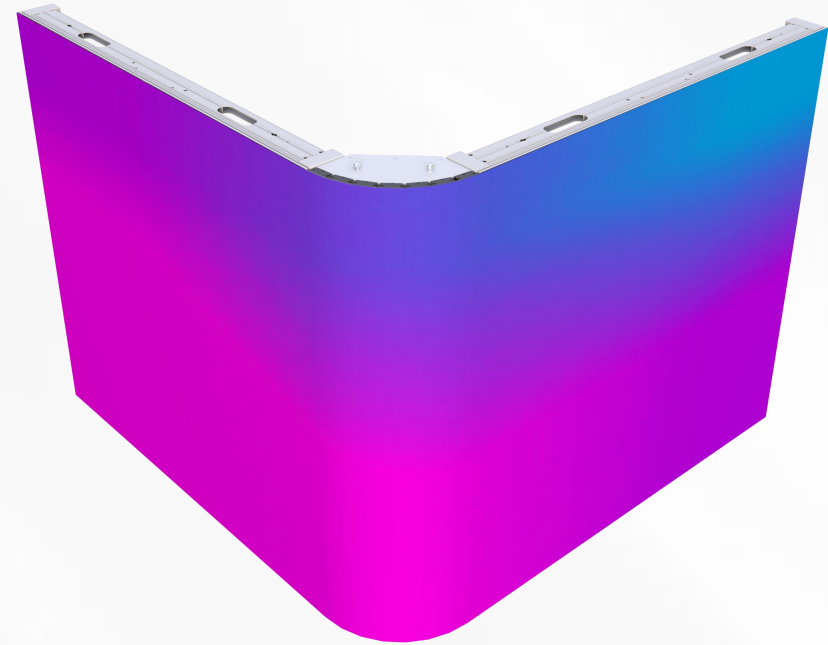
Open Hidden Cables Box

Creative Installation

Support 90° right-angle or curved splicing.



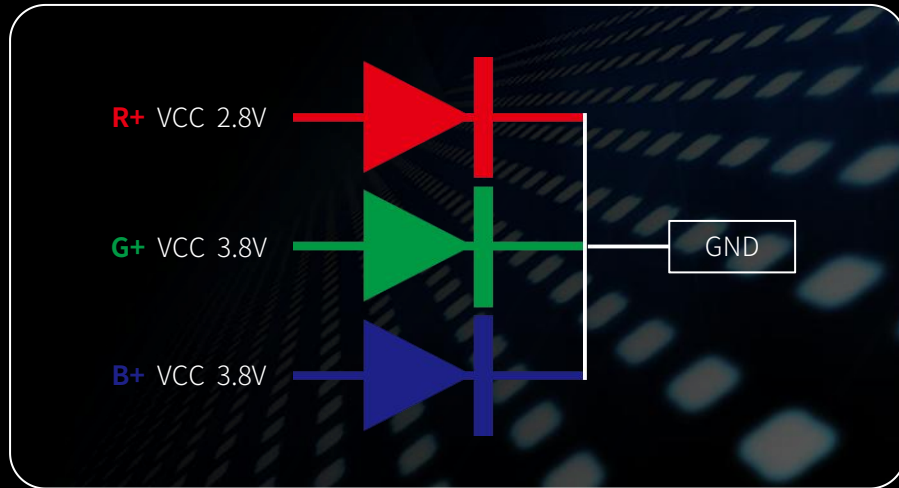
90° right angle



90° curved

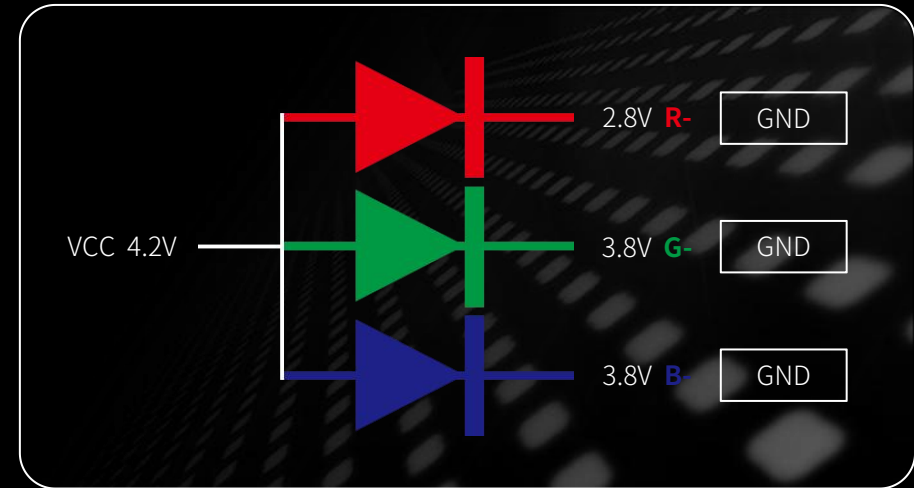
CCT VS CAT

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



Common Cathode Technology
(CCT)

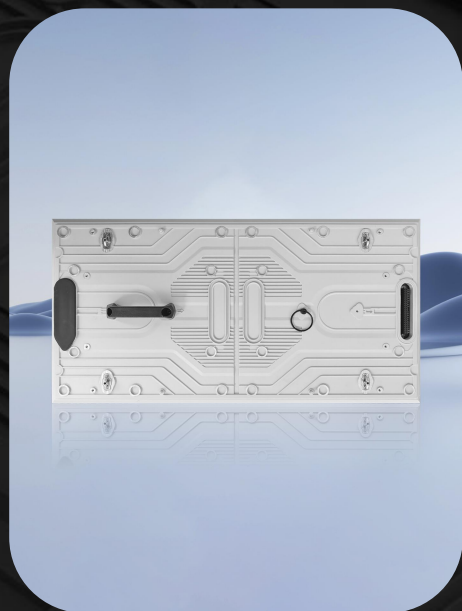
VS



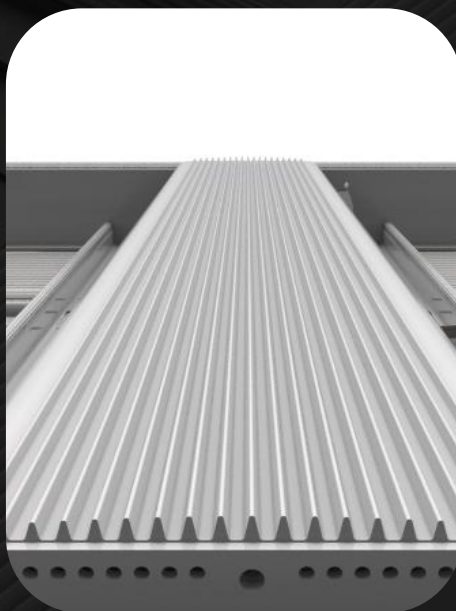
Common Anode Technology
(CAT)

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.



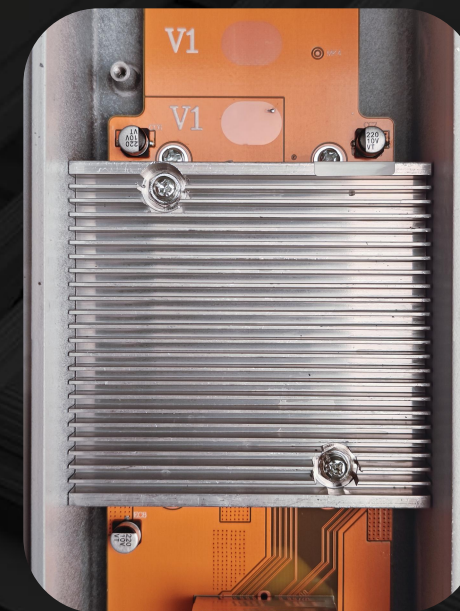
Aluminum Module



Double-layer power
supply box



Heat Dissipation Fin
Design

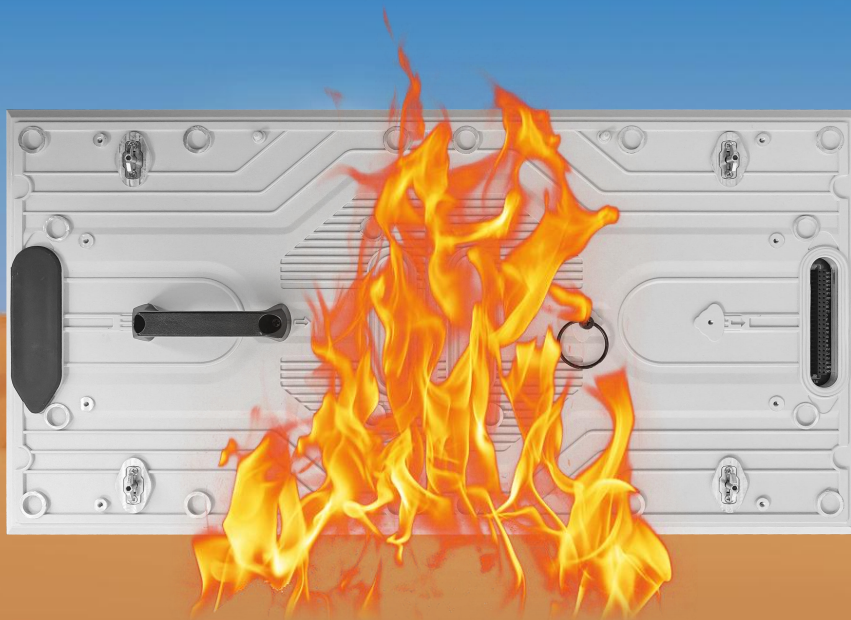


Receiver Card Heat
Dissipation (Optional)

*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

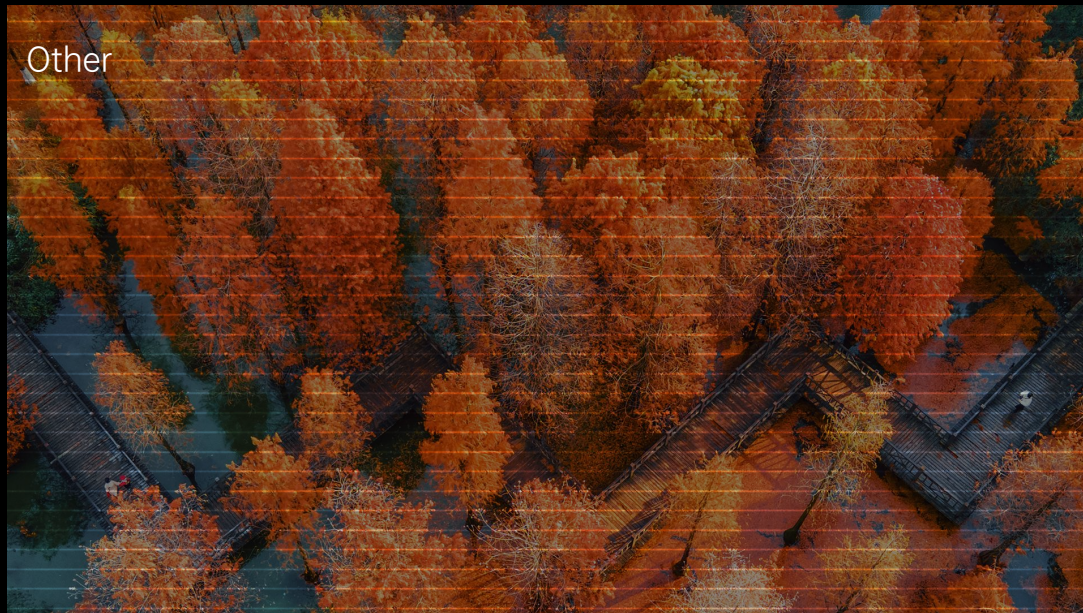
IP66 Weather Protection

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.

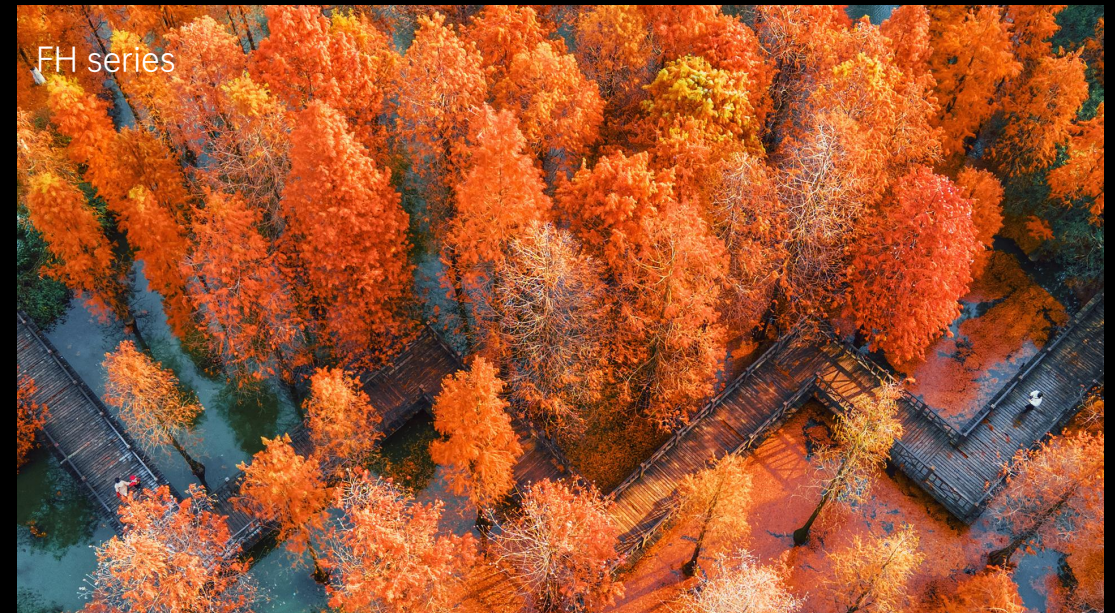


High Refresh Rate

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

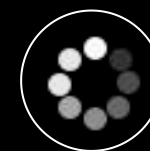
High grayscale, high contrast ratio and Large viewing angle, delicate picture quality, vivid display performance.



140°/120°
Large viewing angle



8000:1
high contrast ratio



14-16bit
High grayscale

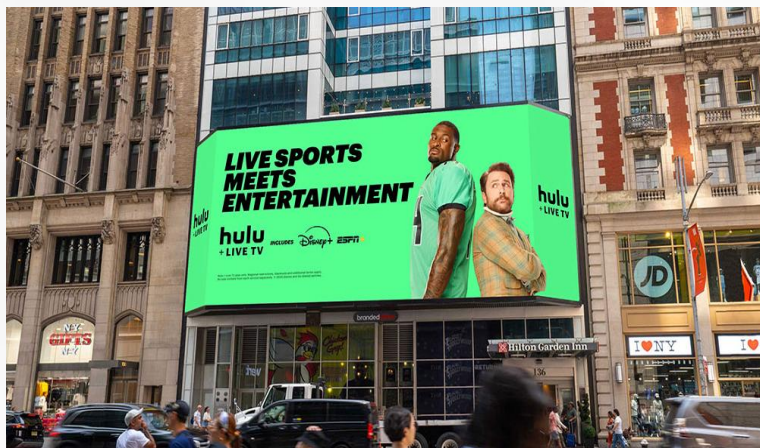
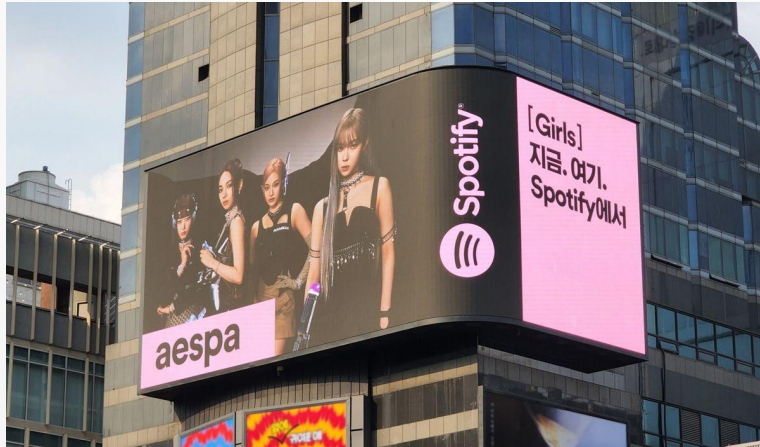
Specification



Pixel Pitch	FH2.97	FH3.91	FH4.81	FH6.25	FH7.81	FH10.42
SMD Type	1415	1415	1921	2727	2727	2727
Module Resolution(W×H)	168×84	128×64	104×52	80×40	64×32	48×24
Cabinet Resolution(W×H)	336×336	256×256	208×208	160×160	128×128	96×96
Cabinet Material	Profile Cabinet	Profile Cabinet	Profile Cabinet	Profile Cabinet	Profile Cabinet	Profile Cabinet
Module Size(mm)	500×250	500×250	500×250	500×250	500×250	500×250
Cabinet Size(mm)	1000×1000×85	1000×1000×85	1000×1000×85	1000×1000×87	1000×1000×87	1000×1000×87
Cabinet Weight(kg/cabinet)	25	25	25	25	25	25
Maintenance Method	Front & Rear	Front & Rear	Front & Rear	Front & Rear	Front & Rear	Front & Rear
IP Rating	IP66	IP66	IP66	IP66	IP66	IP66
Brightness(nits)	≥5000	≥5500	≥6000	≥6500	≥6500	≥6500
Color Temperature(K)	6500-9000 optional	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°	140°/ 120°
Input Voltage	AC100~240V	AC100~240V	AC100~240V	AC100~240V	AC100~240V	AC100~240V
IC Driving(s)	1/21	1/8	1/7	1/5	1/4	1/2
Refreshing Ratio	3840/7680Hz	3840/7680Hz	3840/7680Hz	3840/7680Hz	3840/7680Hz	3840/7680Hz
Max power consumption(W/m2)	≤550	≤550	≤550	≤550	≤550	≤550
Avg. power consumption(W/m2)	≤186	≤186	≤186	≤186	≤186	≤186

Applications

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





THANKS