



VF960 SERIES





VF960 Series

Professional Outdoor Fixed led display

01



VF Series Outdoor led display

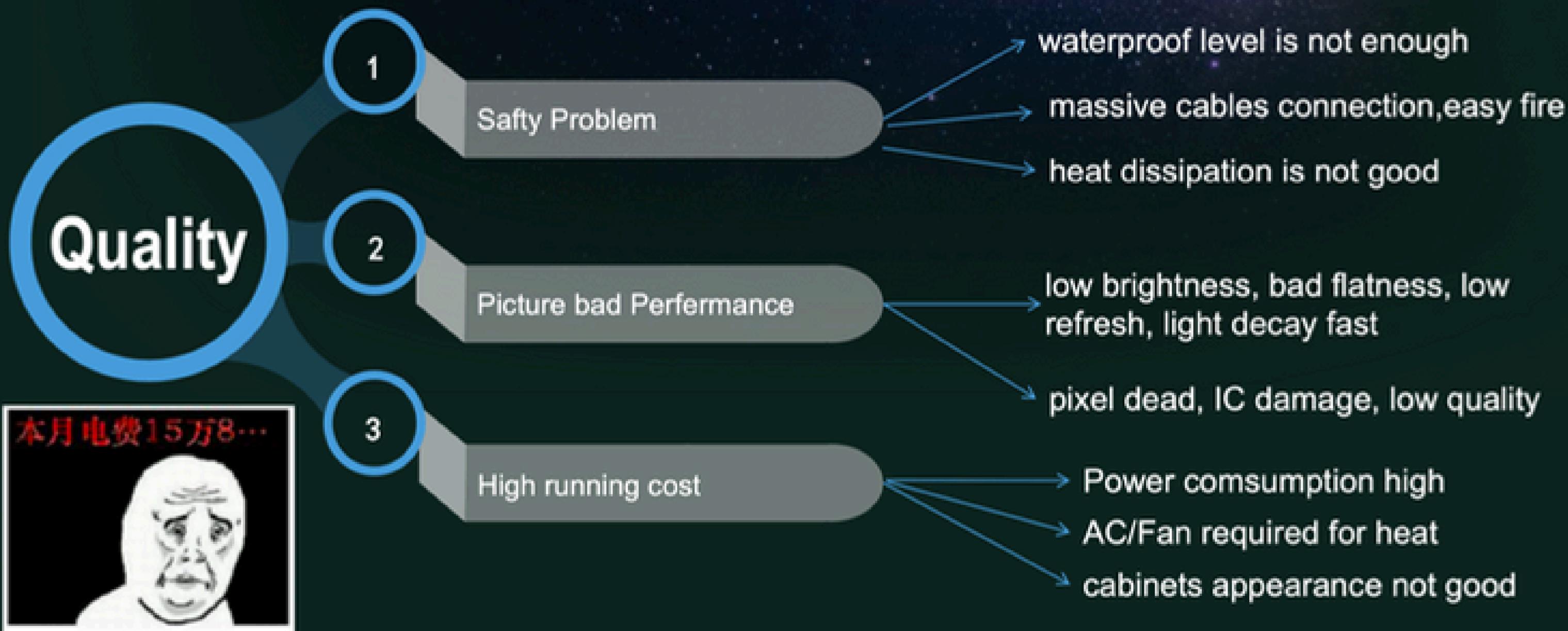
ATMOZ
LED
www.atmozled.com

Application:

1. Ads Media
2. Sport Square
3. Wall project
4. Commercial display



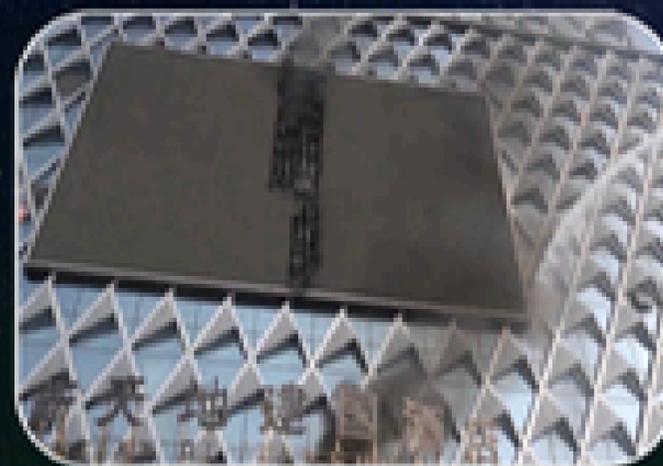
Pain points for Outdoor Screens



Safety cannot be ignored,
Fire prevention must be addressed before it occurs,
Accidents caused by using traditional module screens.



Events Screen
Burnt



Fire Accident In
Jiujiang



Fire Accident in
Wuhan



Malaysia
screen burnt

What VF960 Can Do?



VF960 Series

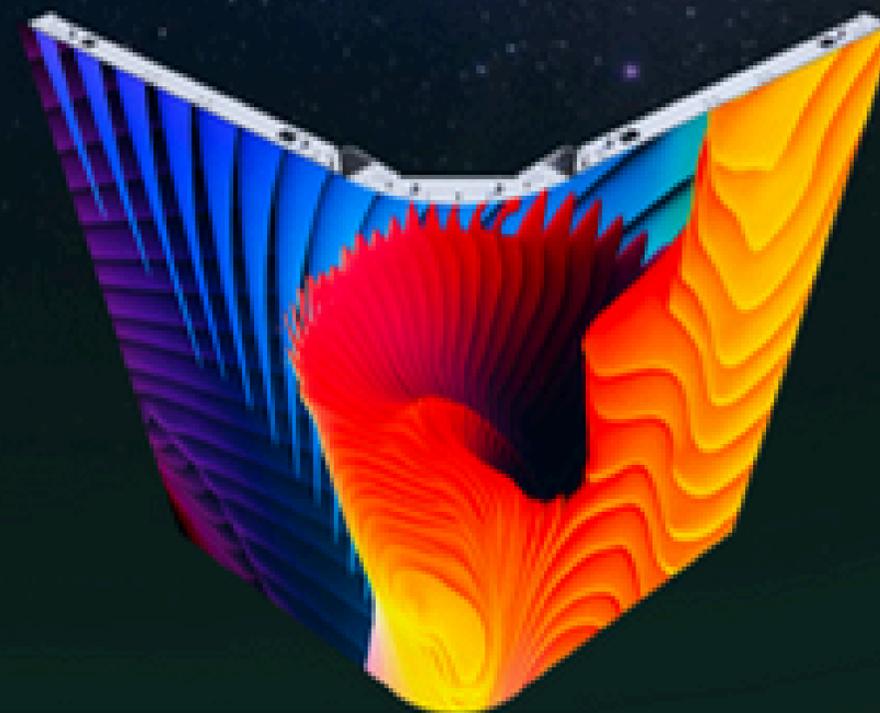


Solve All the Pain points with traditional screens!

VF960 Series



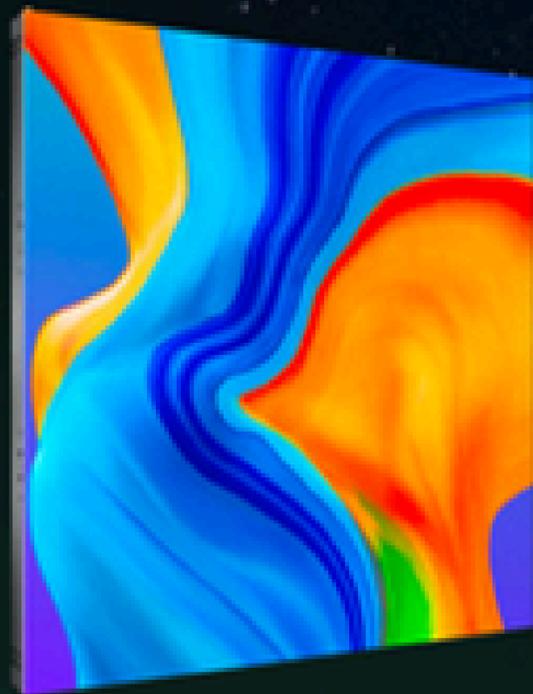
Standard Cabinet



Corner Round Cabinet

- Different Models for choice,
- Customized Solutions for different projects,
- Suitable to all type of Outdoor fixed intallation

VF960 Series



→ Data:

Models: 4.44mm, 5.71mm, 6.67mm, 8mm, 10mm

Cabinet size: : 960*960mm, 960*640mm
1440*960mm, 1440*640mm

Module size: 480*320mm

Brightness: 6000-10000nits, Can be customized

screen thickness: 77mm

Power: Avg.170W, Max.580W.

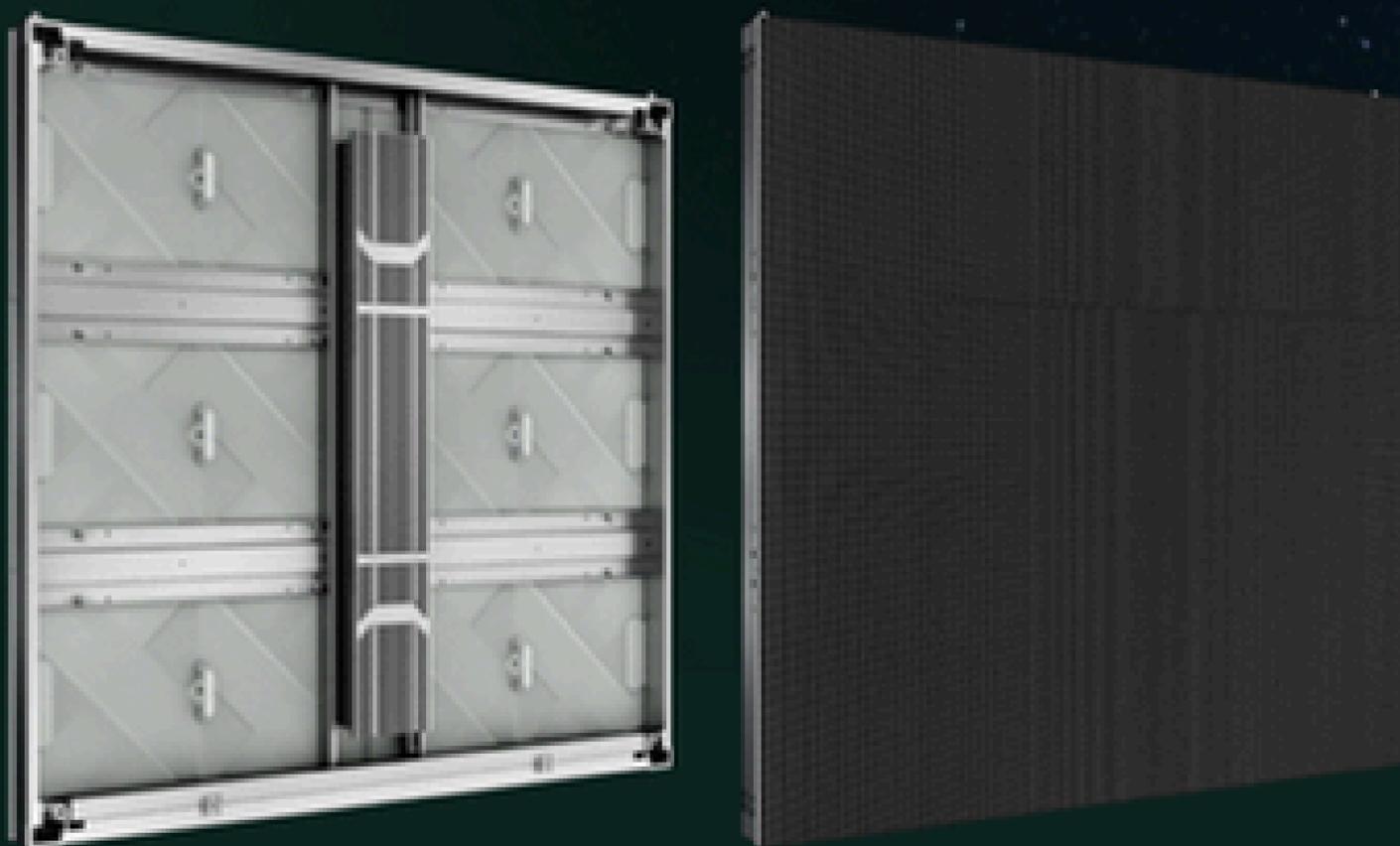
Waterproof Level: IP66

Refresh: 3840HZ

Certificate: EMC, CE, FCC, TUV

Working temperature: -40~+65 grados

Structure Advantages



Light weight:
28kg/m²

○ Fast heat dissipation
Aluminum Fin structure

○ Hard connection modules
Silent working mode
No Fan or AC required

Why choose VF960?



1. Super slim and light weight, save the installation structure and labor cost
2. White cabinet elegant and aesthetically, reflecting sunlight, reducing heat absorption
3. No need extra edge banding, directly install

VF960

28kg/m²

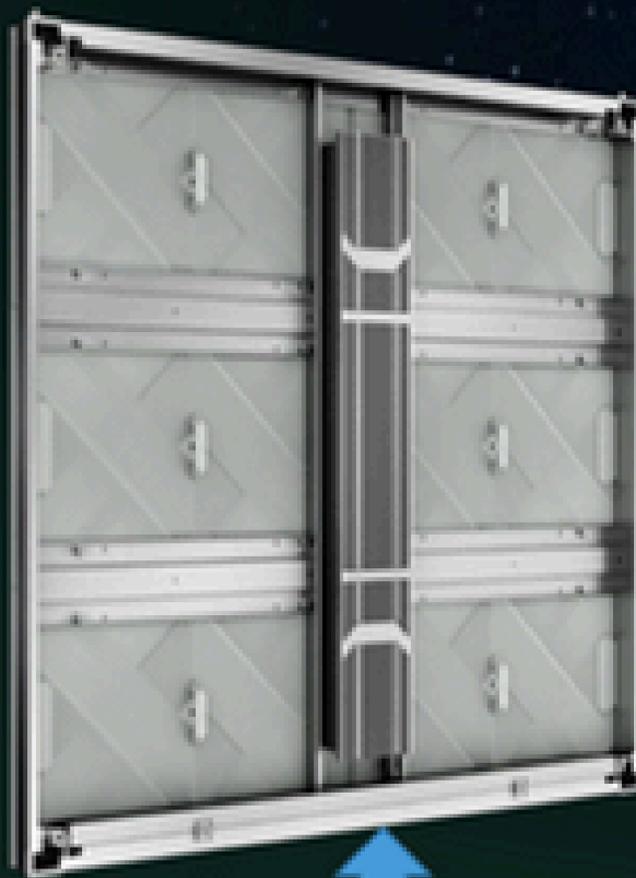
Normal
cabinet

48kg/m²



Unified wiring design

VS

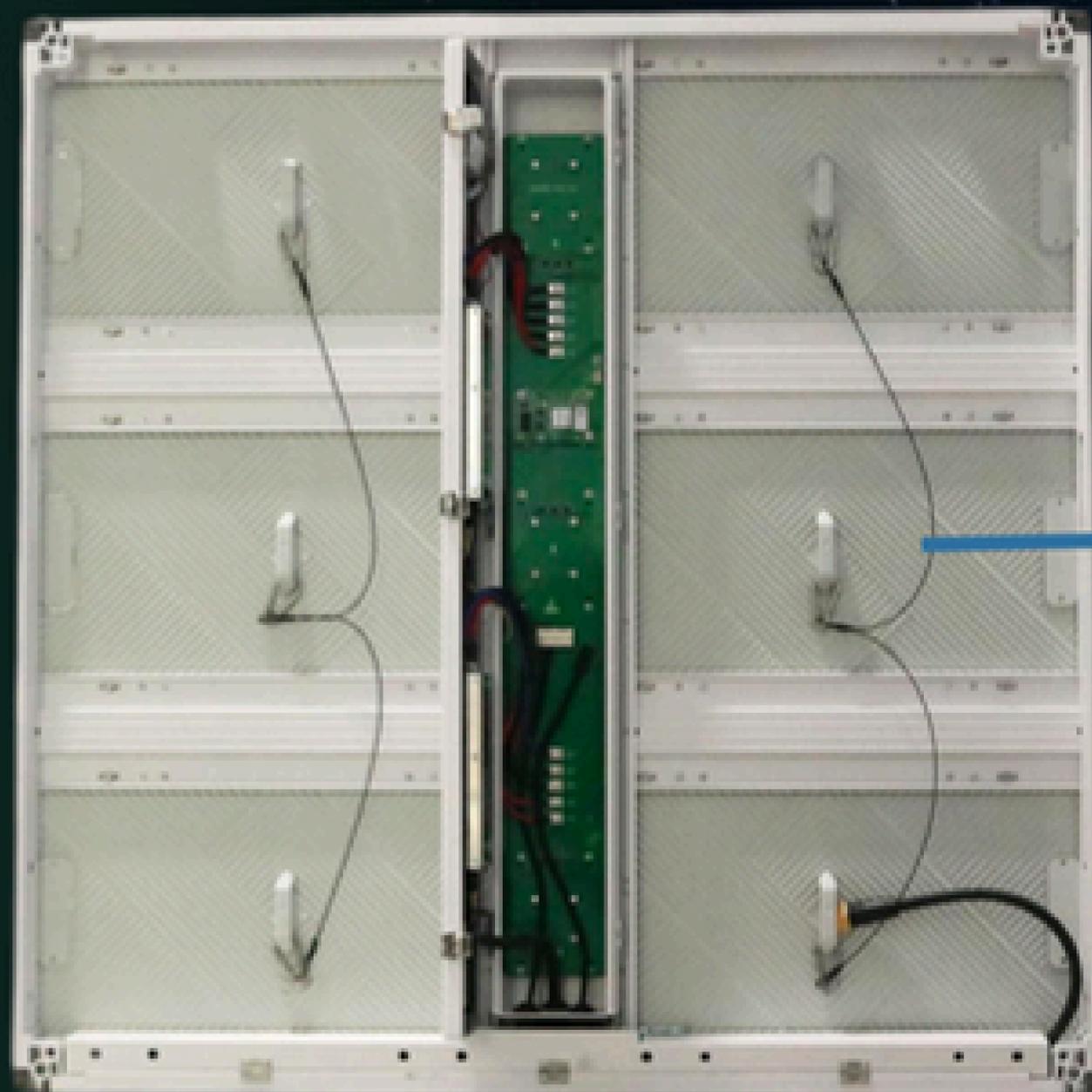


1. Powersupply, receiving card features hidden cable routing
2. keep the cabinet powerbox tidy
3. Avoid damage from insects, rodents, and other animals
4. Extend the service life of cables



1. lacks safety protection, making it prone to bumps and collisions
2. Exposed cables pose significant safety hazards
3. Low protection rating increases the likelihood of safety incidents.
4. Messy cables negatively impact the overall appearance

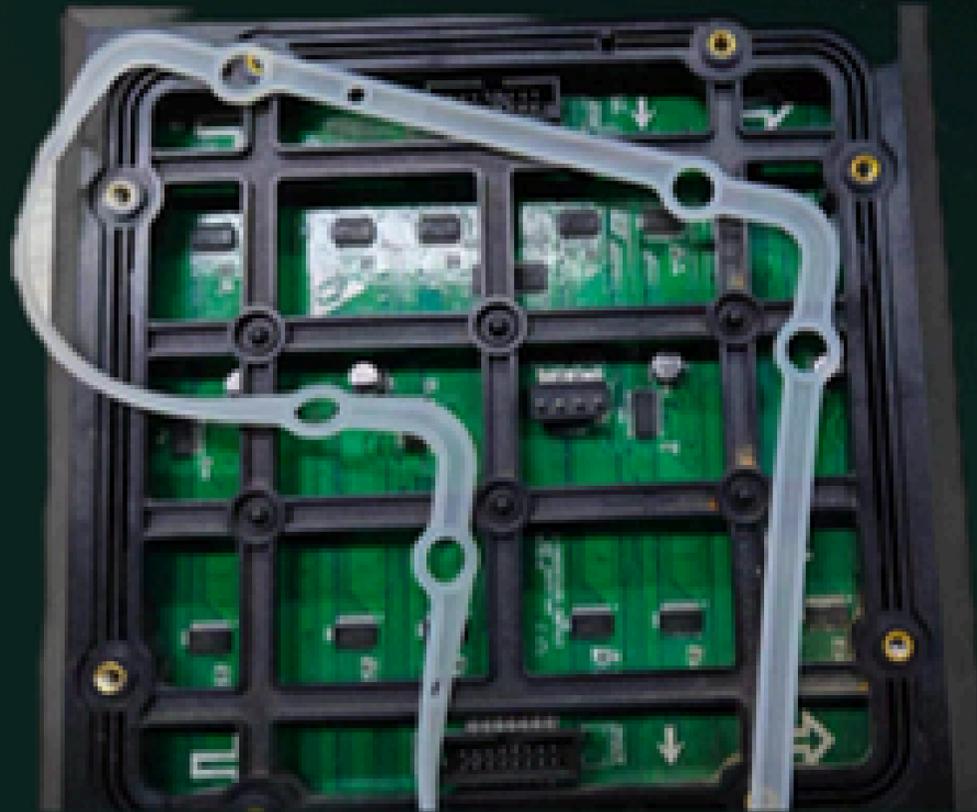
User-Friendly Design



During maintenance, the ropes prevent the modules from separating from the cabinet, which is a safety design feature.

Plastic module

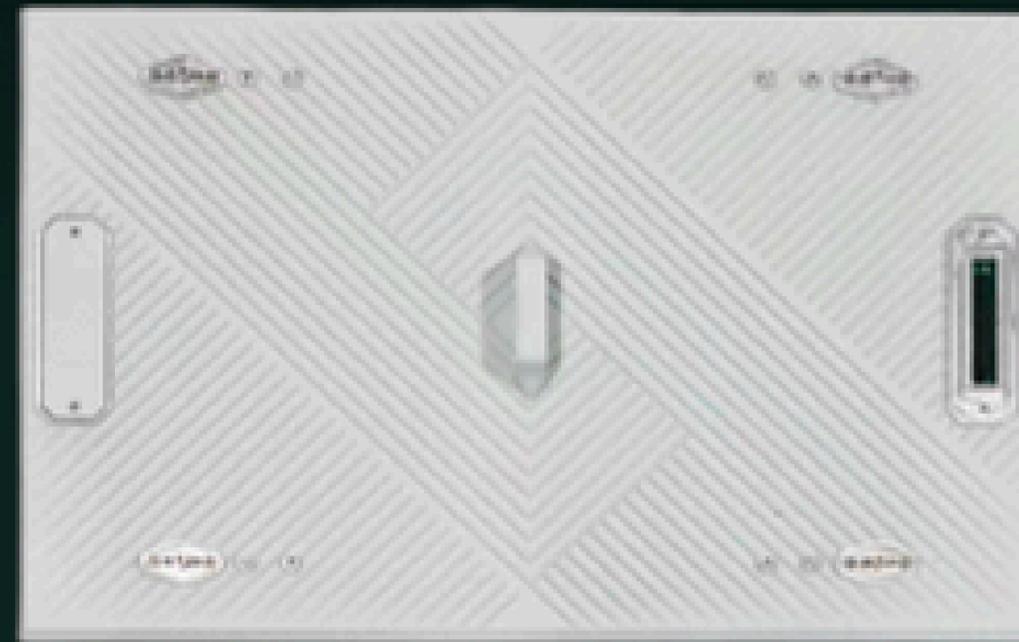
1. Inconvenient installation and maintenance, only allowing rear maintenance.
2. Insufficient flatness of the screen body, prolonged use causes deformation as the modules cannot bear weight.
3. Soft connections of modules cannot prevent insect intrusion; exposed electronic components pose fire hazards.
4. Poor heat dissipation requires additional air conditioning or fans, increasing operational costs.
5. High number of modules per square meter leads to more failure points and difficult maintenance.
6. Sealing rings are prone to aging, creating safety risks.
7. Lack of streamlined design results in water stains.
8. Some use non-branded power supplies, receiving cards, and other components without safety certification.



VS

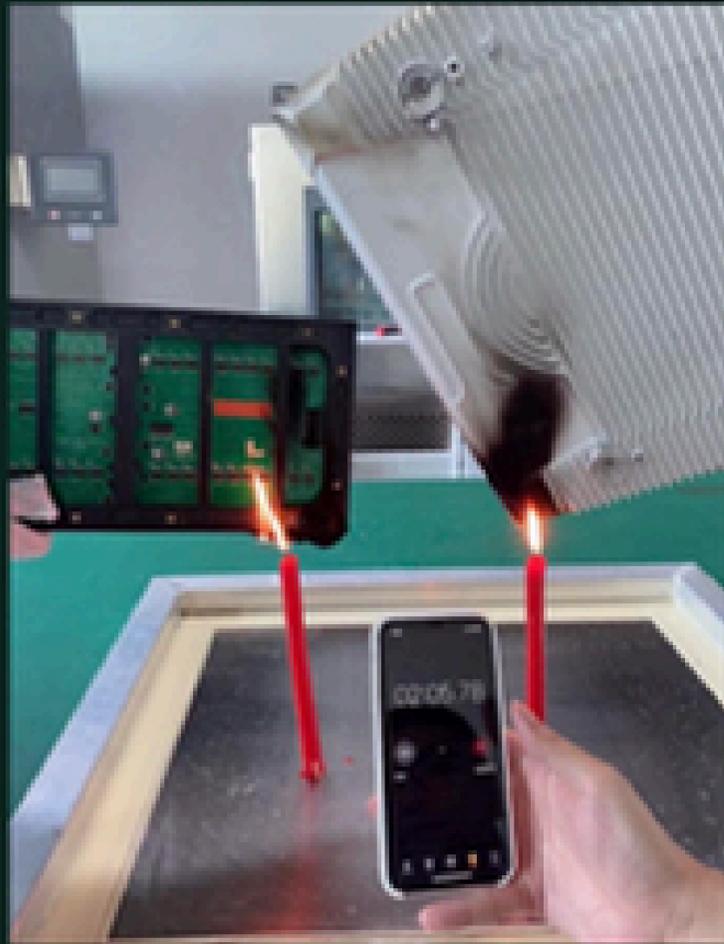
Aluminum module

1. Aluminum material provides excellent heat dissipation, better protection for the lamp board and hub board, and enhanced safety.
2. Hard connection of modules eliminates the need for sealing rings, avoiding concerns about ring aging, ensuring greater stability.
3. Module size of 480*320: Larger module dimensions reduce failure points, simplify maintenance, and offer higher flatness.
4. Heat dissipation fin design: Increases heat dissipation area, eliminates the need for air conditioning or fans, making the product more energy-efficient and safer.
5. Streamlined module design: Guides rainwater to flow downward, no hidden lines, ensuring no impact on display performance.
6. High-brim bezel design: Higher contrast ratio, no water stains, and improved display quality.
7. Aluminum backshell resists deformation, ensuring better display performance of the screen.
8. Vacuum environment inside the module: No combustion medium, safer and more stable.

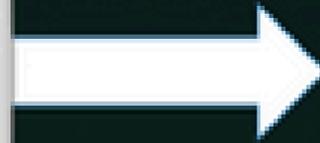
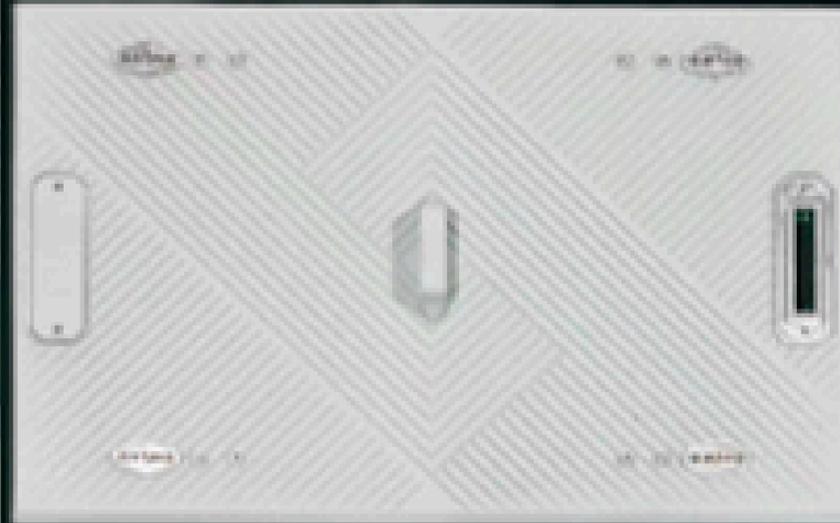


Ultra-Safe: Ultra-High Flame Retardant Rating

Plastic modules start burning
after 2 minutes



Fire testing



Aluminum module no
change after cleaning

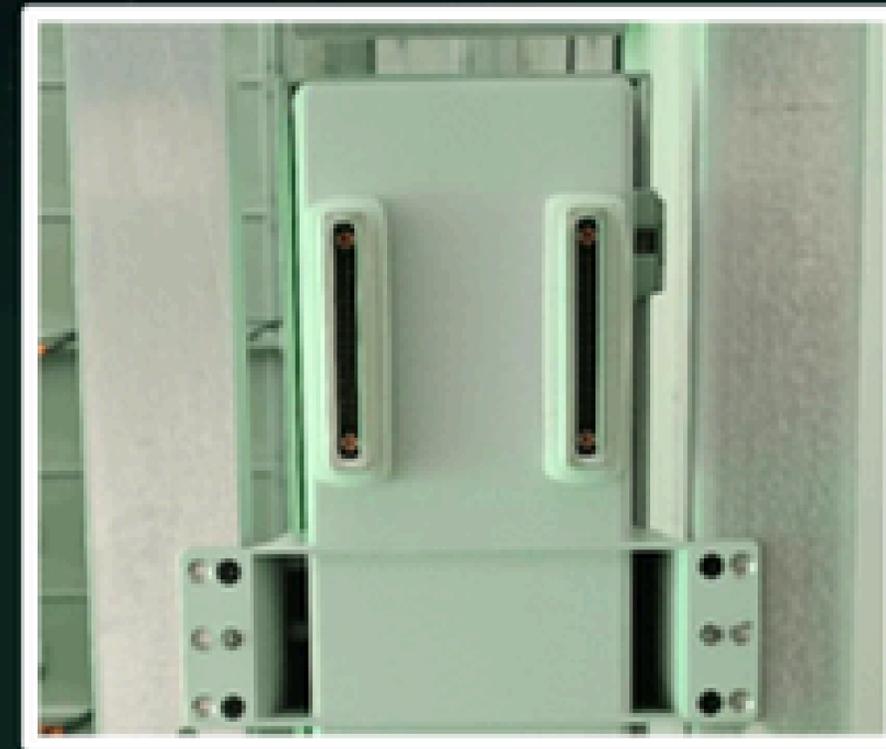


Ultra-Safe: IP66 waterproof level



Strickly waterproof testing

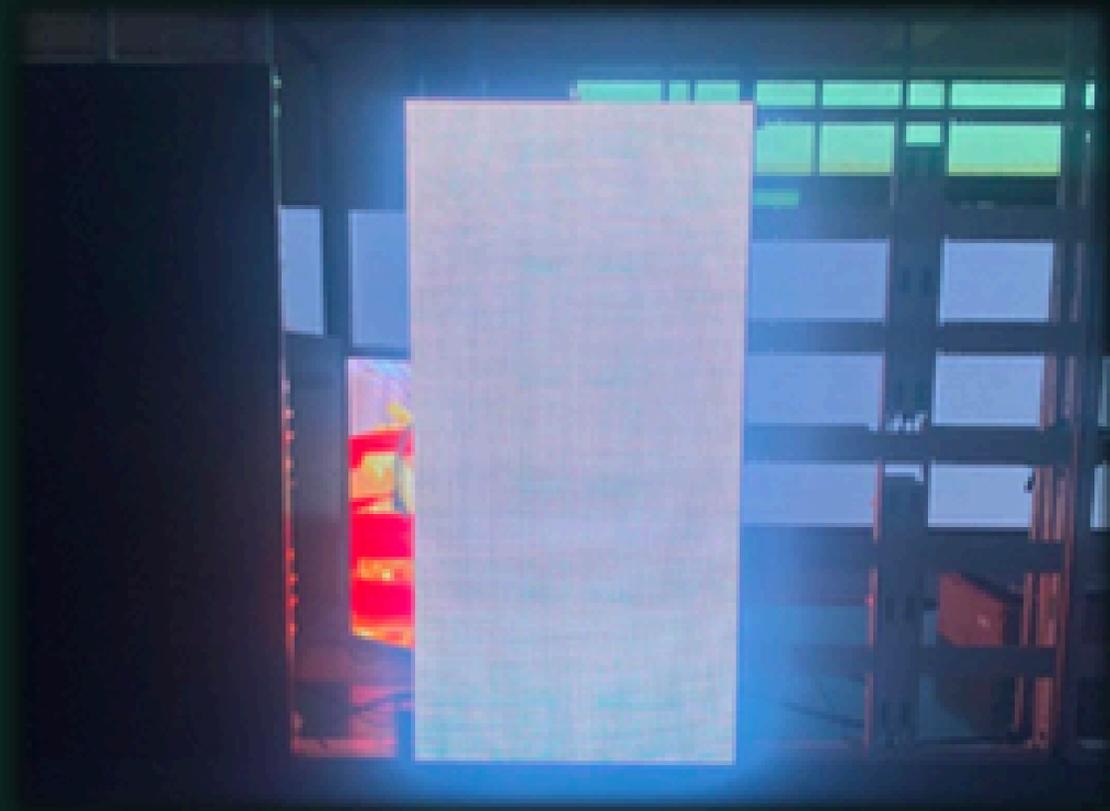
**Power box waterproof ring design
Waterproof gasket on the interface**



Ultra-High bright

Brightness: >10000nits

Lower Power Consumption:
Max: 580w/m² Avg. : 170W /m²



Ultra-High Contrast Ratio

High-brim design with ultra-high contrast ratio for better visual

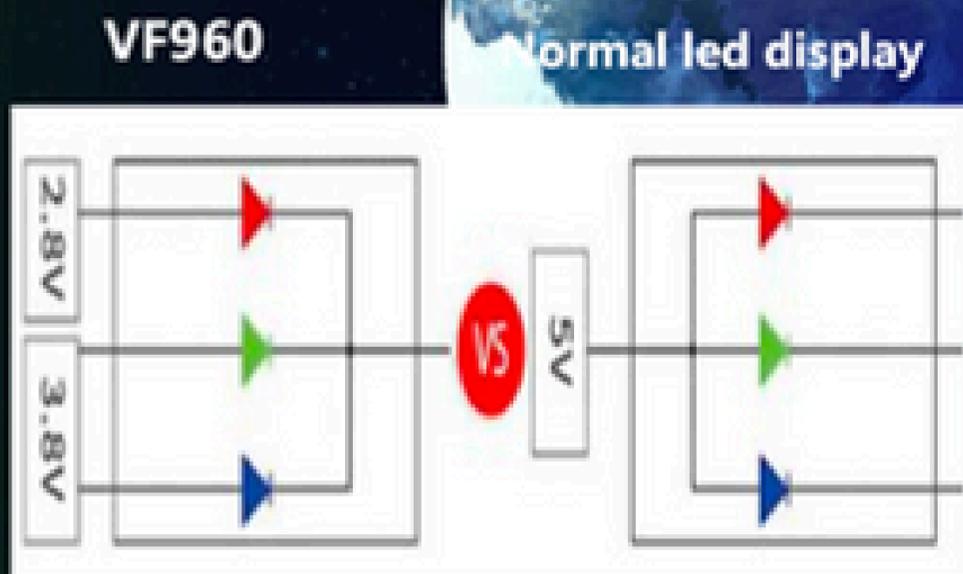


Ultra-Low Power Consumption, Ultra-Energy Efficient

1. Utilizing a common cathode circuit design, the power consumption is over 40% more energy-efficient than traditional screens, reducing electricity costs and promoting eco-friendly, low energy consumption.
2. Low power consumption eliminates the need for air conditioning or fans for heat dissipation.



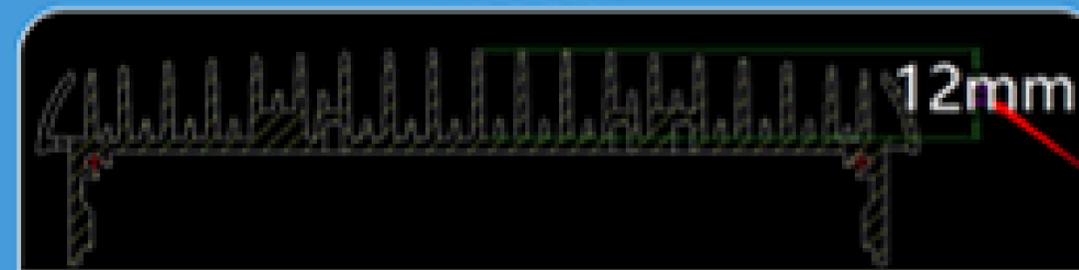
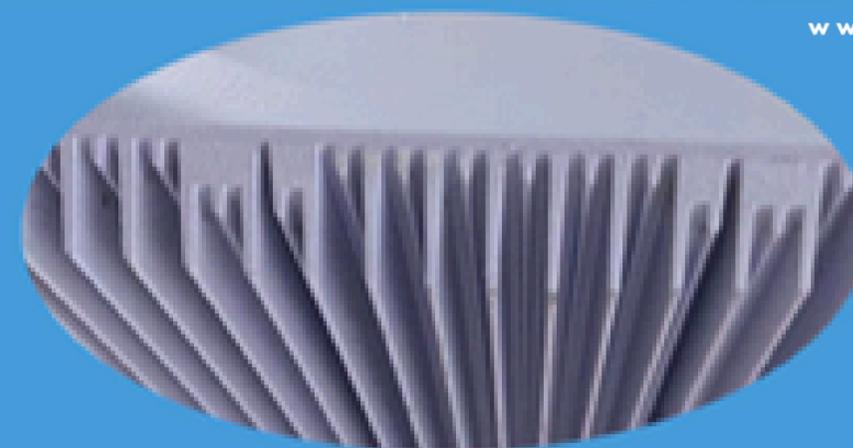
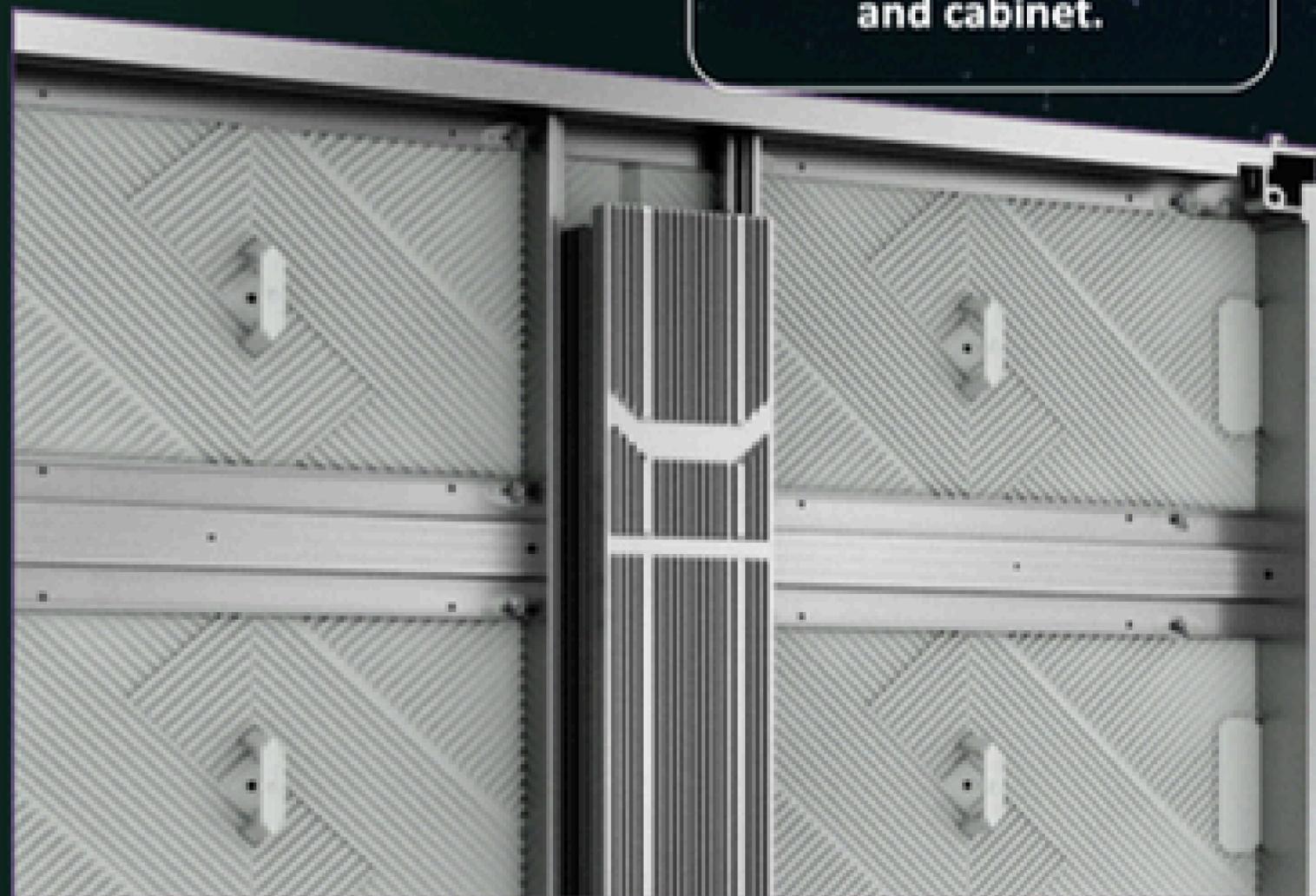
1. Featuring a common cathode circuit design
2. reduces power consumption by over 50% compared to traditional screens
3. lowering electricity costs and promoting eco-friendly, low energy usage.
4. With low power consumption, it eliminates the need for air conditioning or fans.



100m ² LED Display Power consumption Comparision			
ITEM	Normal led display	VF960 Series	Note
Pixel pitch	6.67	6.67	
	100m ²	100m ²	
Brightness	5000cd/m ²	5000-10000cd/m ²	
Max Power	1000w/m ²	580w/m ²	
Avg. Power	360w/m ²	170w/m ²	
Daily Using	10 hours	10hours	
Life time	5 Years	5 Years (can use over 10 years)	暂且认为传统屏用5年
AC Requiremet	4 pcs 2p	no	20K
AC Power cost	2*4*10*1.5*365*5=21.9万	no	219K
Screen power cost	100*0.36*10*365*1.5*5=985K	100*0.17*10*1.5*365*5=465K	759K Saving

Ultra-Efficient Heat Dissipation

Heat dissipation fin design for the power box and cabinet.



Better Heat Dissipation

12mm Depth increasing the touch area between modules
Making faster heat Dissipation, no need AC

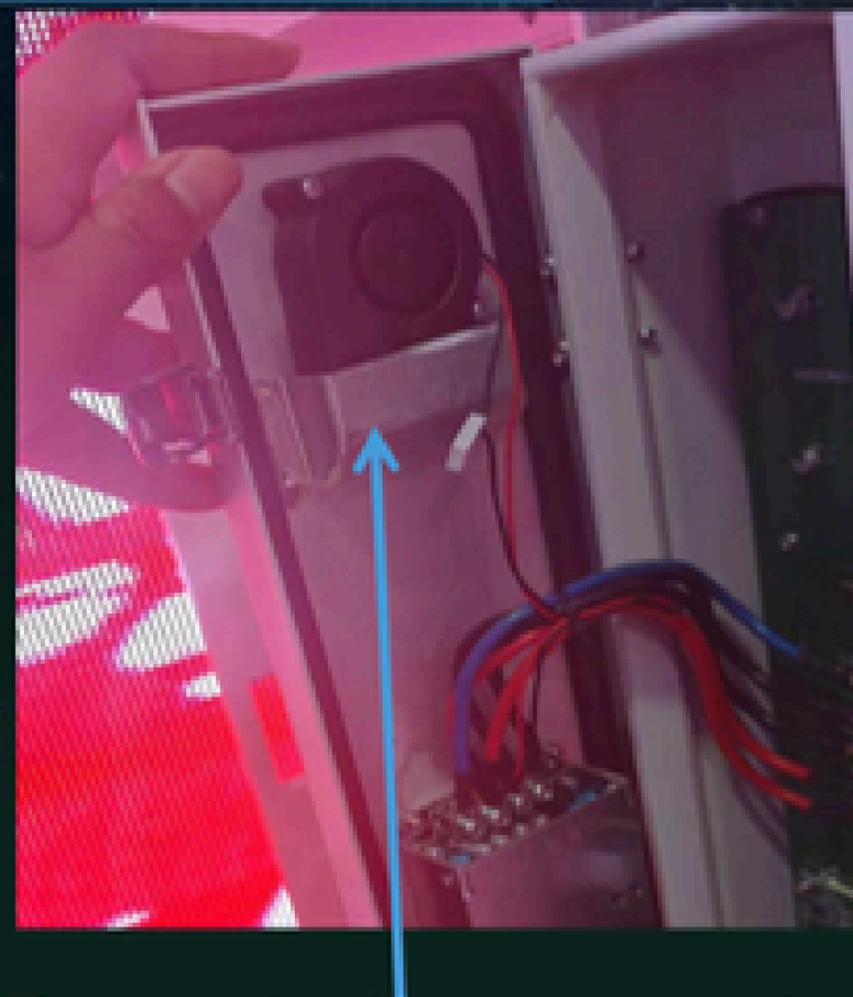
Ultra-Stable

Silicone rubber cable - capable of withstanding temperatures up to 200°C.



Modules and HUB are hard-connected, resistant to corrosion, and ultra-stable.

The cabinet's side panels feature exhaust holes to enhance heat dissipation efficiency.



The power box features a minimalist design with fewer cables, ensuring greater stability.

Equipped with built-in fan cooling, eliminating the need for air conditioning or additional fans.

Ultra-Rigorous Testing



Waterproof Testing/High and Low Temperature Testing/Salt Spray Testing/Constant Temperature and Humidity Testing/Vibration Testing

Ultra-Convenient:

Modules and power supplies support both front and rear maintenance, making servicing simpler.



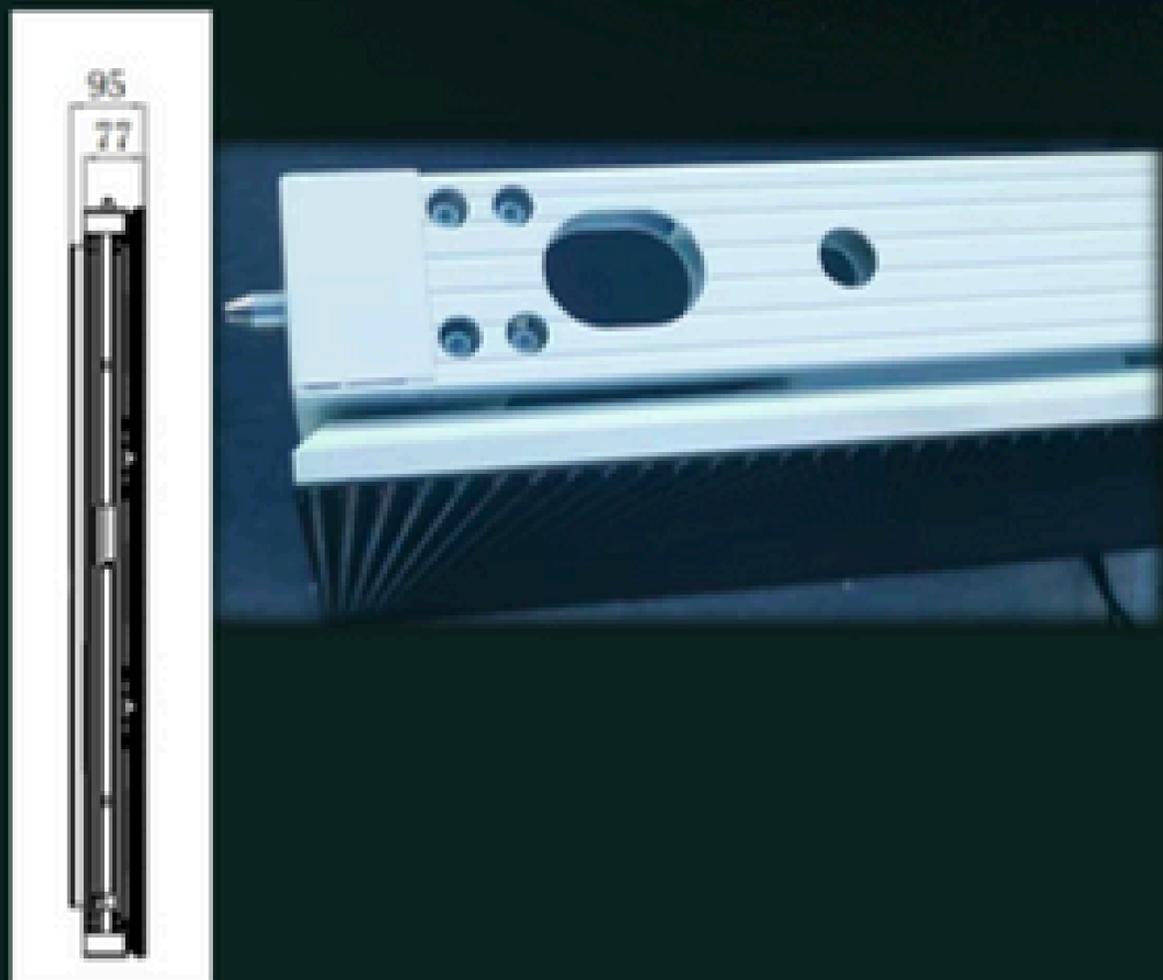
Improve work efficiency

Reduce human resources

Enhance safety

• Ultra Slim and Light

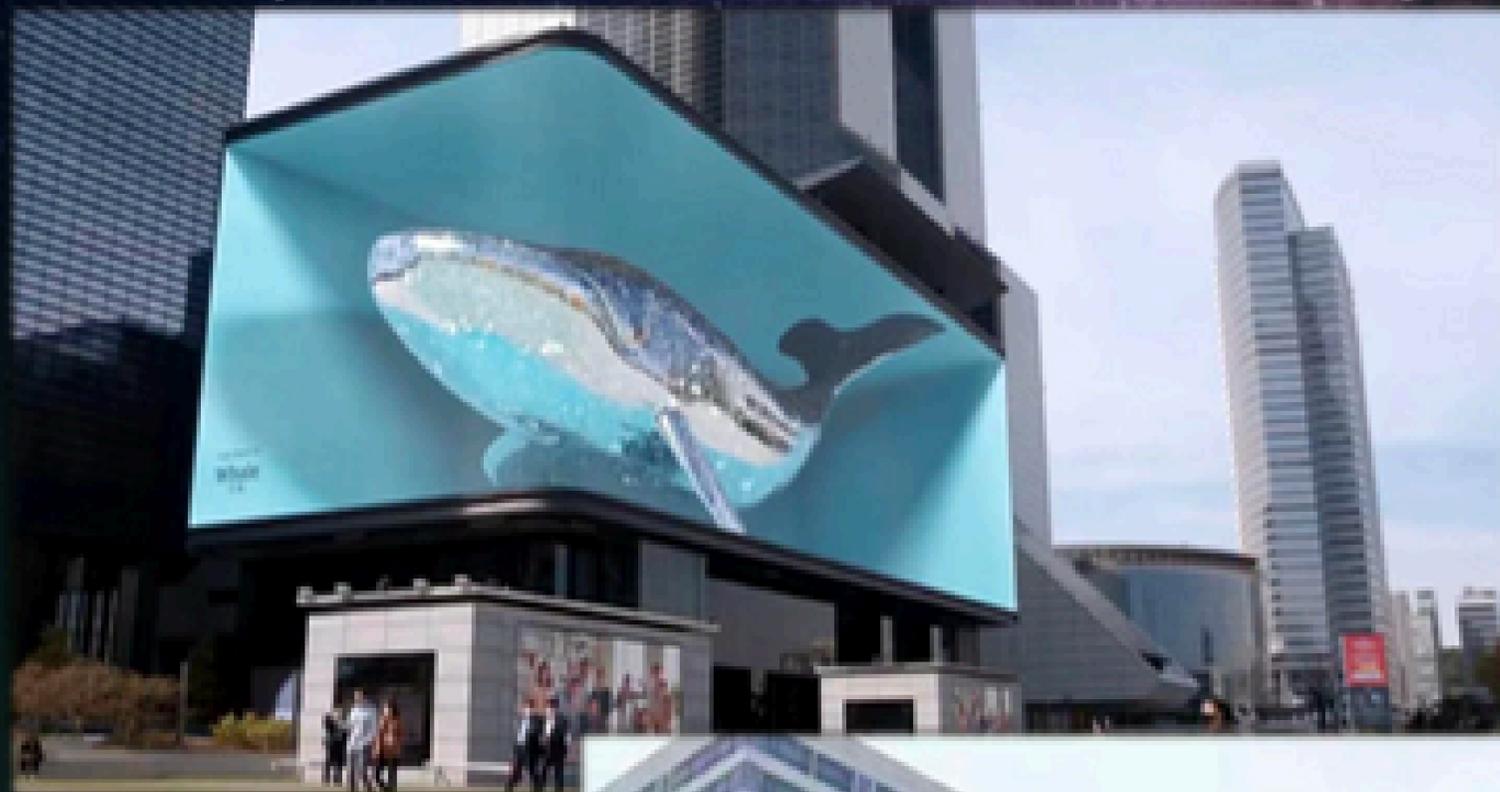
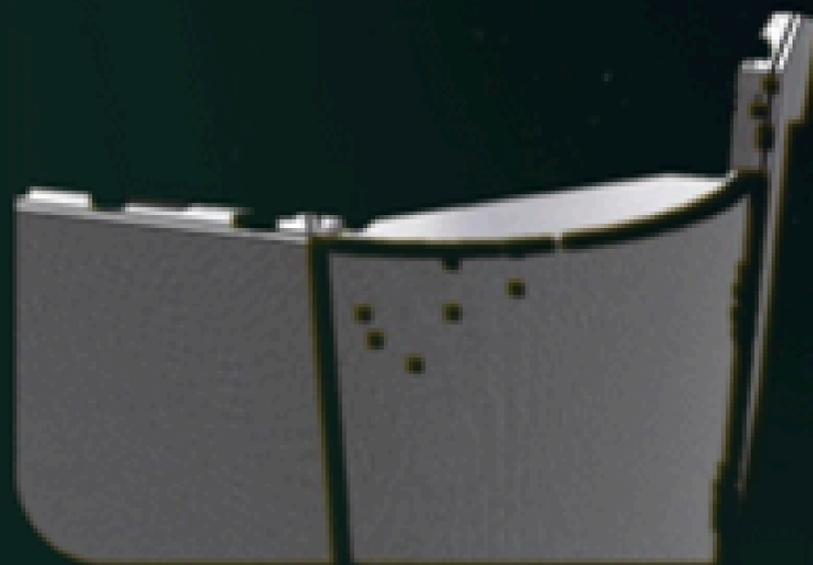
28KG/m² 77mm thickness,
Reduces steel structure and transportation costs.
Supports front and rear maintenance,
lowering labor costs—modules can be replaced by a single person



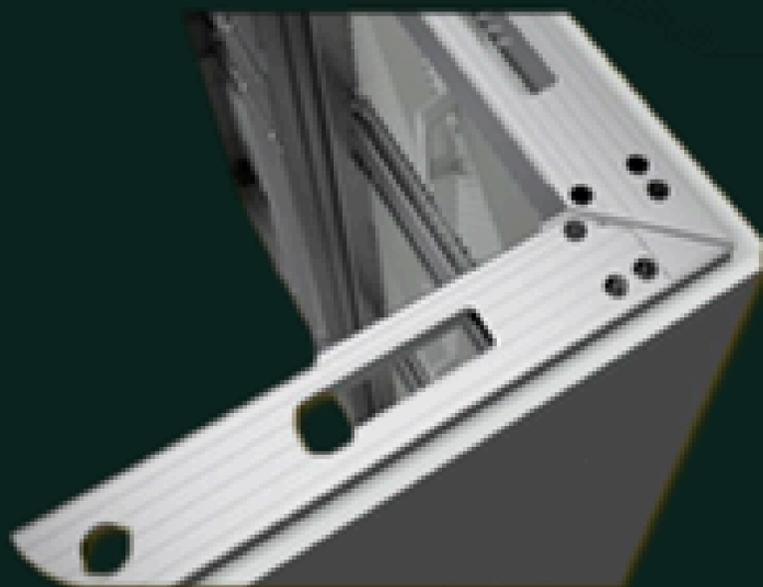
Installation back view
Supports bare installation, reducing decoration costs

VR corners create a 3D naked-eye large screen.

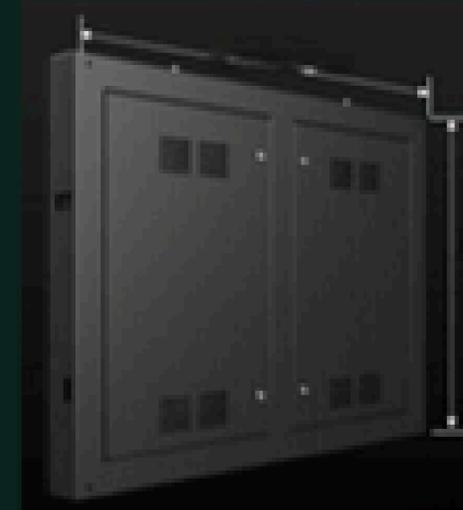
Supports curved corner splicing.



Supports right-angle corner splicing.



Comparison	VF960 Series	Normal LED Display
Waterproof Level	ip66	ip65
Size (w*h*d)	960*960*77 multi size	1280*960*145
Power W/m ²	580/170	800/260
Brightness (cd/sqm)	10000	5000
Cabinet Weight	28kg	48kg
Refresh (hz)	3840	3840



PART

Cases

02



Chengdu Dayunhui Stadium

Model: P6.67 350m²



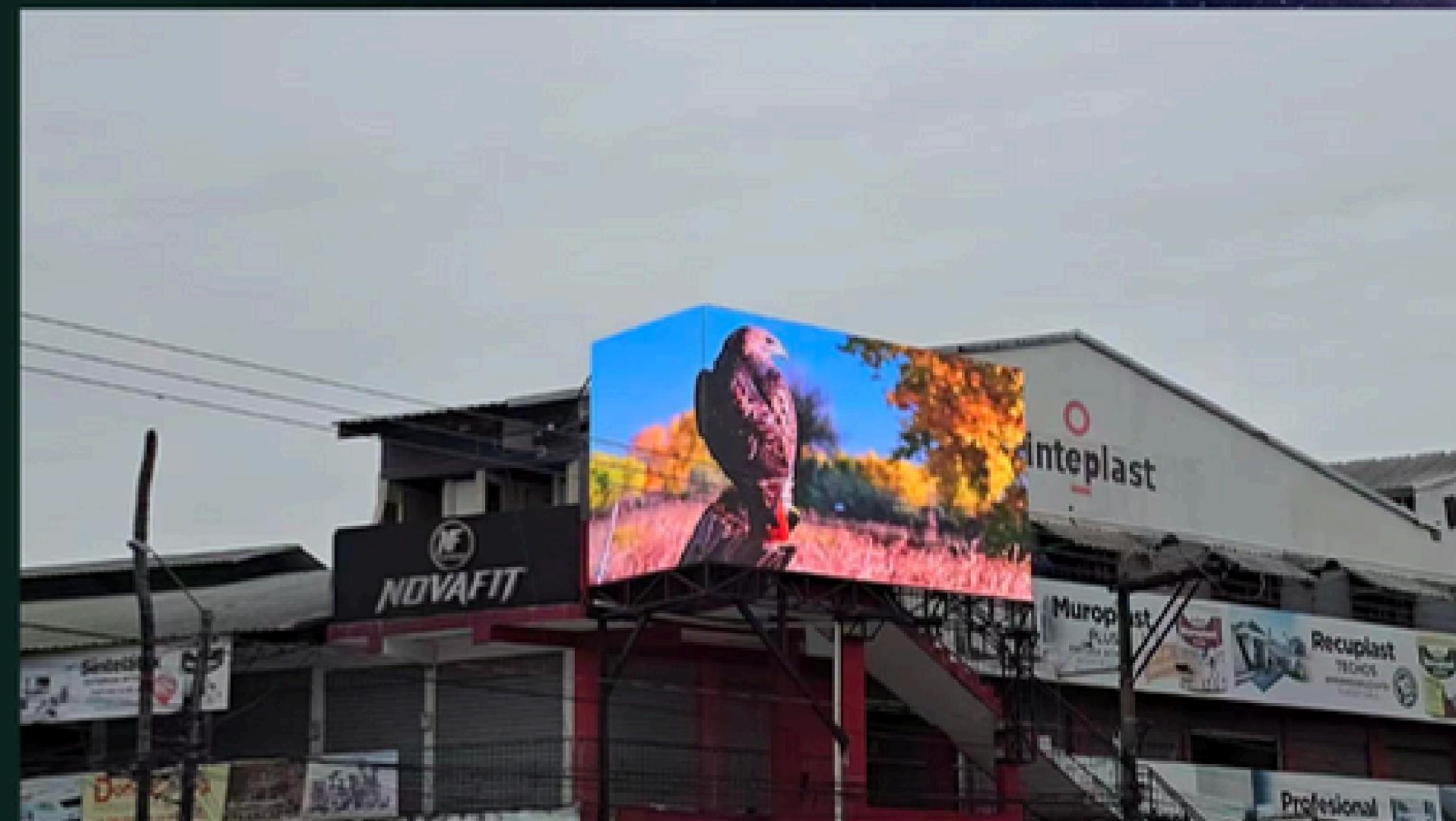
Shenzhen Fuyong Seafood market

Model: p6.67 150m²



Guangzhou Hualin International

P10mm 400+m²



USA

Model: P5.7mm 120+ m²



Italy

P6. 67mm 40m²

PART

Specifications

03

Part Number	P4.44	P5.7	P6.66	P8	P10
Pixel Pitch	4.44mm	5.7mm	6.66mm	8mm	10mm
LED Configuration	SMD1921	SMD2727	SMD2727	SMD2727	SMD2727
Pixel Density	50635dot/m ²	30625dot/m ²	22500dot/m ²	15625dot/m ²	10000dot/m ²
Module size	480*320mm	480*320mm	480*320mm	480*320mm	480*320mm
Module Resolution	108*72 dot	84*56 dot	72*48 dot	60*40 dot	48*32dot
Cabinet Size	960*960*77mm	960*960*77mm	960*960*77mm	960*960*77mm	960*960*77mm
Cabinet Resolution	216*216dot	168*168dot	144*144dot	120*120dot	96*96dot
Cabinet Weight	25kg	25kg	25kg	25kg	25kg
IP Rating (front/back)	IP65	IP65	IP65	IP65	IP65
Brightness Intensity	>6000 CD/m ²	>6500 CD/m ²	>6000 CD/m ²	>6500 CD/m ²	>6500 CD/m ²
Viewing Angle (H/V)	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°
View Distance	> 5m	> 7m	> 8m	> 10m	> 12m
Gray Scale	14bit	14bit	14bit	14bit	14bit
Display Scale	16.7M	16.7M	16.7M	16.7M	16.7M
Brightness Adjustment	0-100 levels adjustable				
Max.Power Consumption	650W/m ²	650W/m ²	680W/m ²	650W/m ²	650W/m ²
Ave.Power Consumption	220W/m ²	220W/m ²	240W/m ²	220W/m ²	220W/m ²
Drive Mode	1/9S	1/7S	1/6S	1/4S	1/2S
Refresh Frequency	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ	≥3840HZ
Environmental	OUTDOOR	OUTDOOR	OUTDOOR	OUTDOOR	OUTDOOR
Operation Power	AC100~240 50/60HZ				
Operating Temperature	-20°C~ +50°C				
Operating Humidity	10~95% RH				
Operating Life	100,000hours	100,000hours	100,000hours	100,000hours	100,000hours