

Ultra Fine Pitch COB LED Display

ECOB SERIES





ECOB SERIES

Pixel Pitch:P0.9375 P1.25 P1.5625

Cabinet size:600*337.5mm

Module size:150*337.5mm

Cabinet Weight:5.2kg

Brightness:600cd/m²

Refresh rate:3840Hz



High Ink Color Consistency



Surface Waterproof



Ultra Thin and Light



Front Maintenance

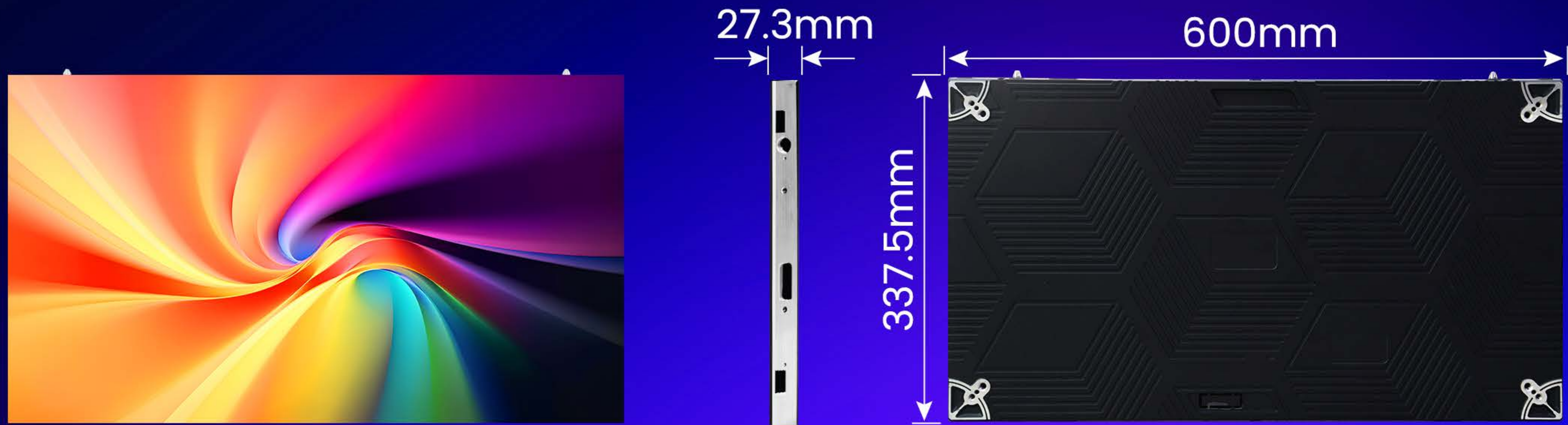


High Color Accuracy



Energy Conservation

DIMENSIONS



Cabinet size: 600x337.5mm



Module size: 150x337.5mm

FULL FLIP CHIP COB PANEL

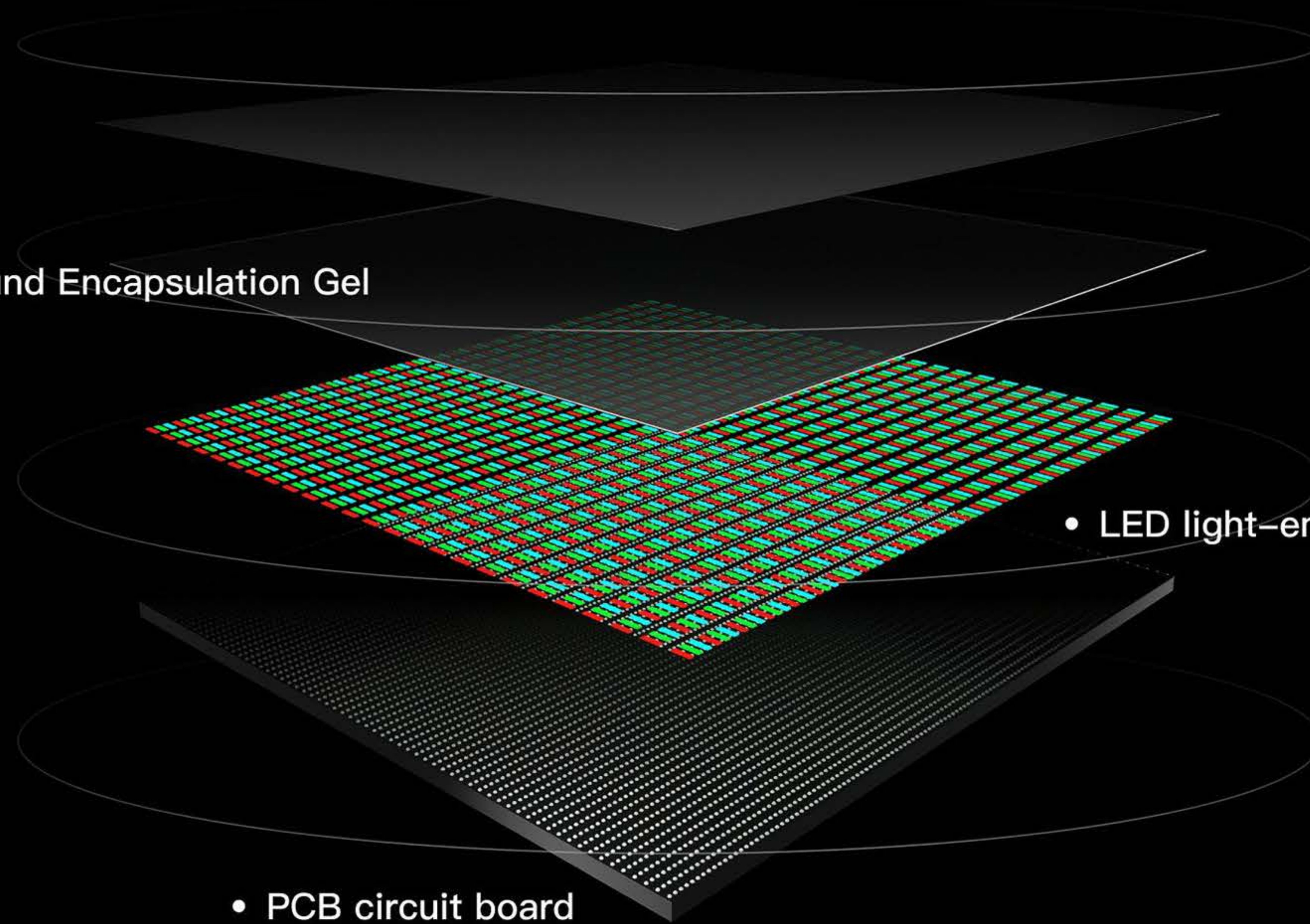
LED chips are directly mounted on the PCB board, eliminating brackets and wire bonding for integrated design.

- Polymer Ink Coating

- Compound Encapsulation Gel

- LED light-emitting chip

- PCB circuit board



HIGH PROTECTION PERFORMANCE

Surface resin encapsulation provides waterproof, dustproof, scratch-proof, and impact resistance.



Waterproof



Dustproof



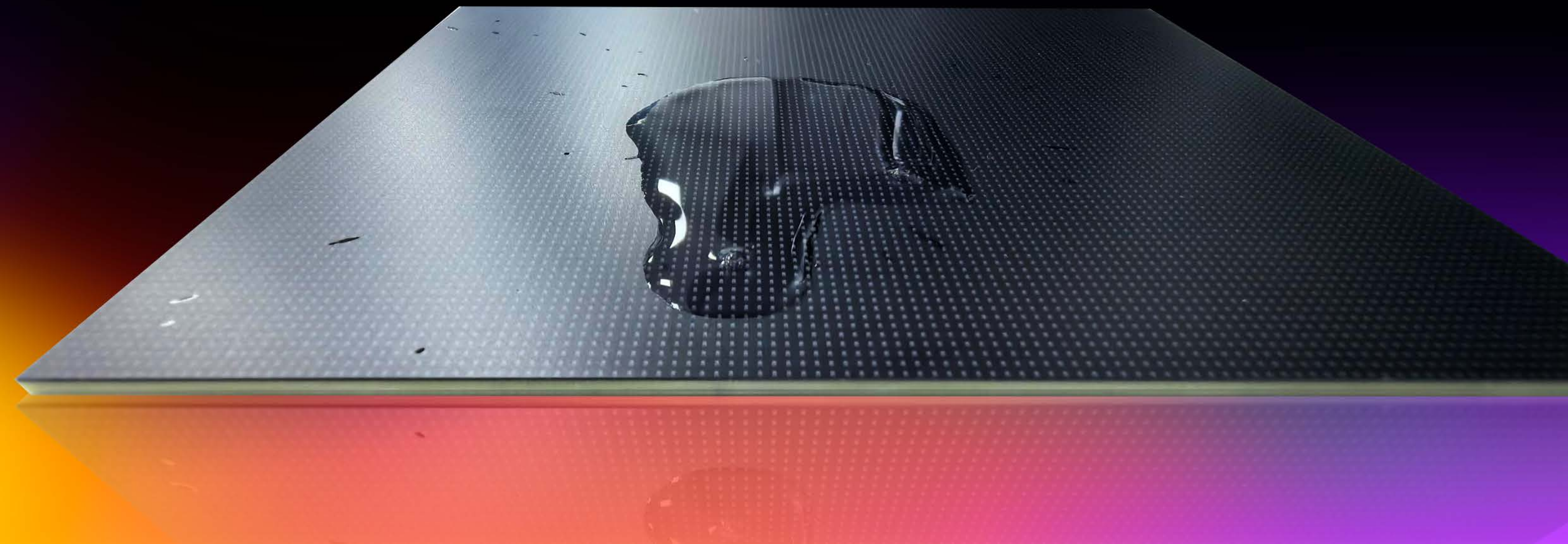
Anti-static



Anti-oxidation

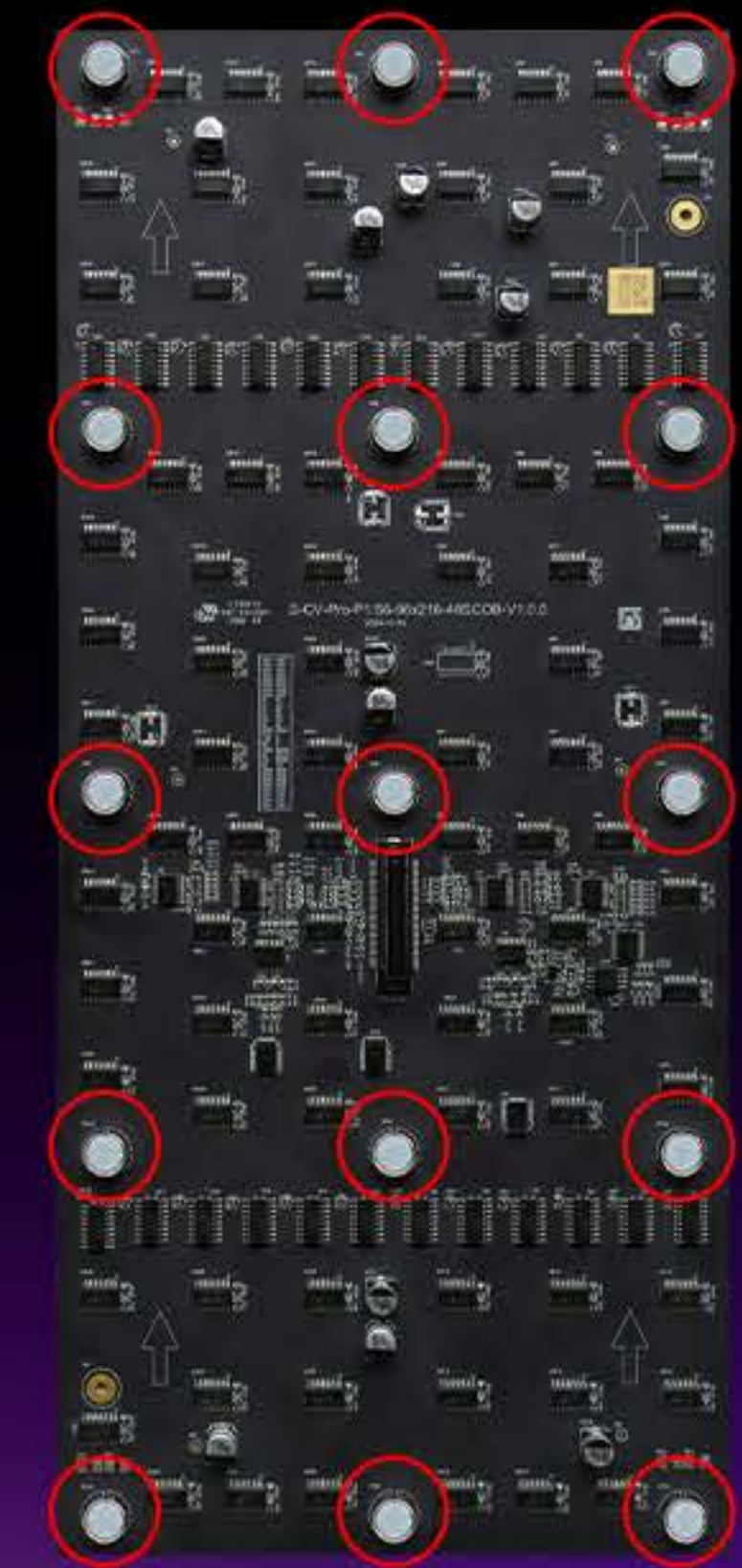


Anti-impact



MAGNETIC FRONT MAINTENANCE

Modules are held by magnets, no screws needed—enabling quick installation or removal.



Magnetic Adsorption

HIGH INK COLOR CONSISTENCY

Dark uniform background enhances contrast with bright content.

VS

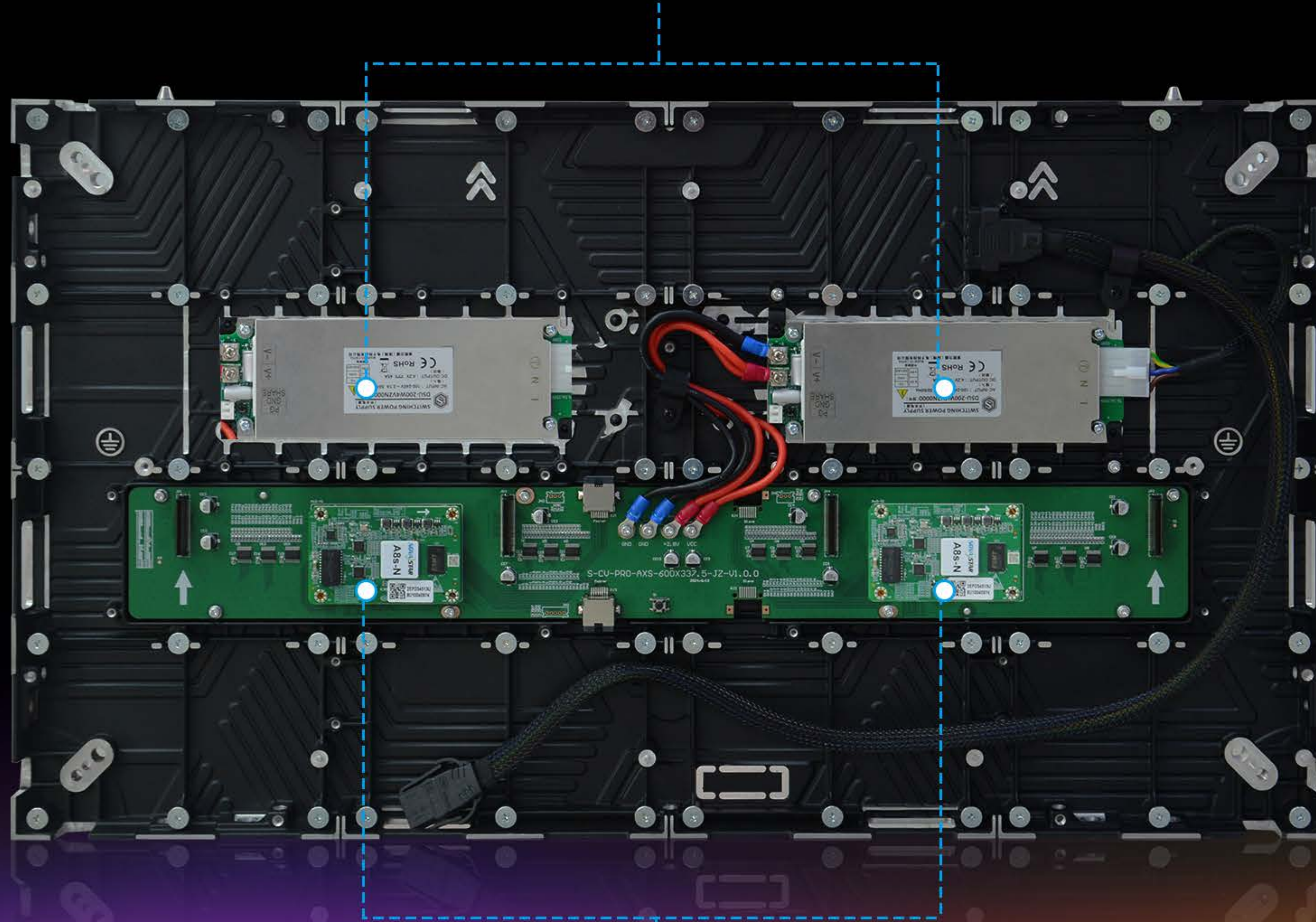
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Other Series

DOUBLE BACKUP OPTIONAL

Power+HUB (Single card Dual power supply/Single power supply Dual card/Dual backup Optional)

Dual power supply



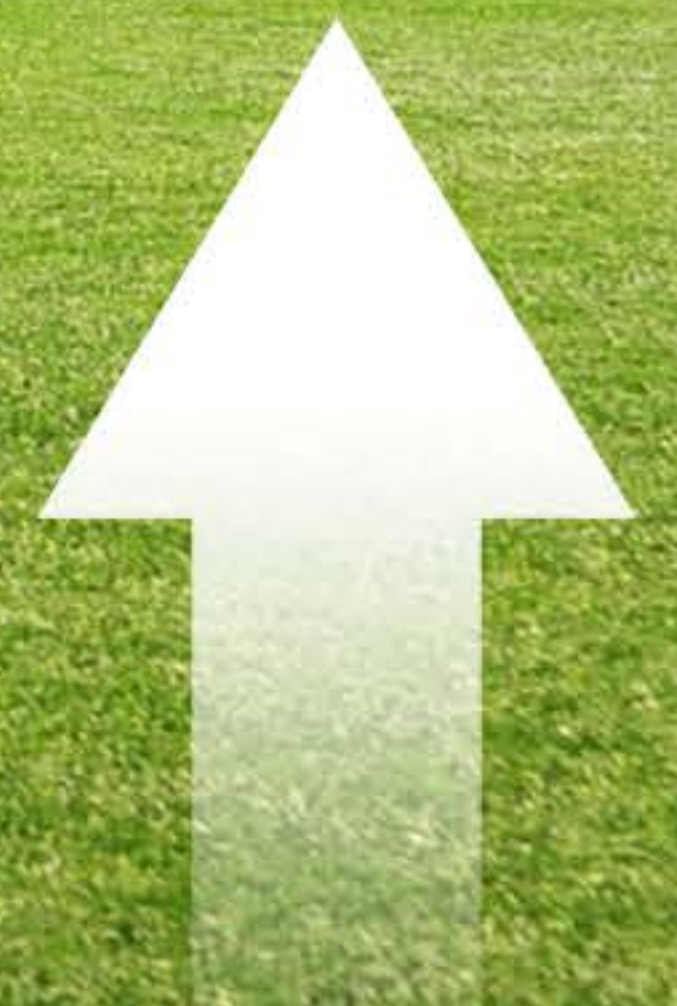
Dual receiving card

ENERGY SAVING

By adopting **common cathode / common anode** power schemes and multiple energy-saving driving technologies, the display achieves ultra-low power consumption.



Energy
saving
30%



HIGH BRIGHTNESS

Standard brightness up to 600 nits
Optional highlight 1000nit.

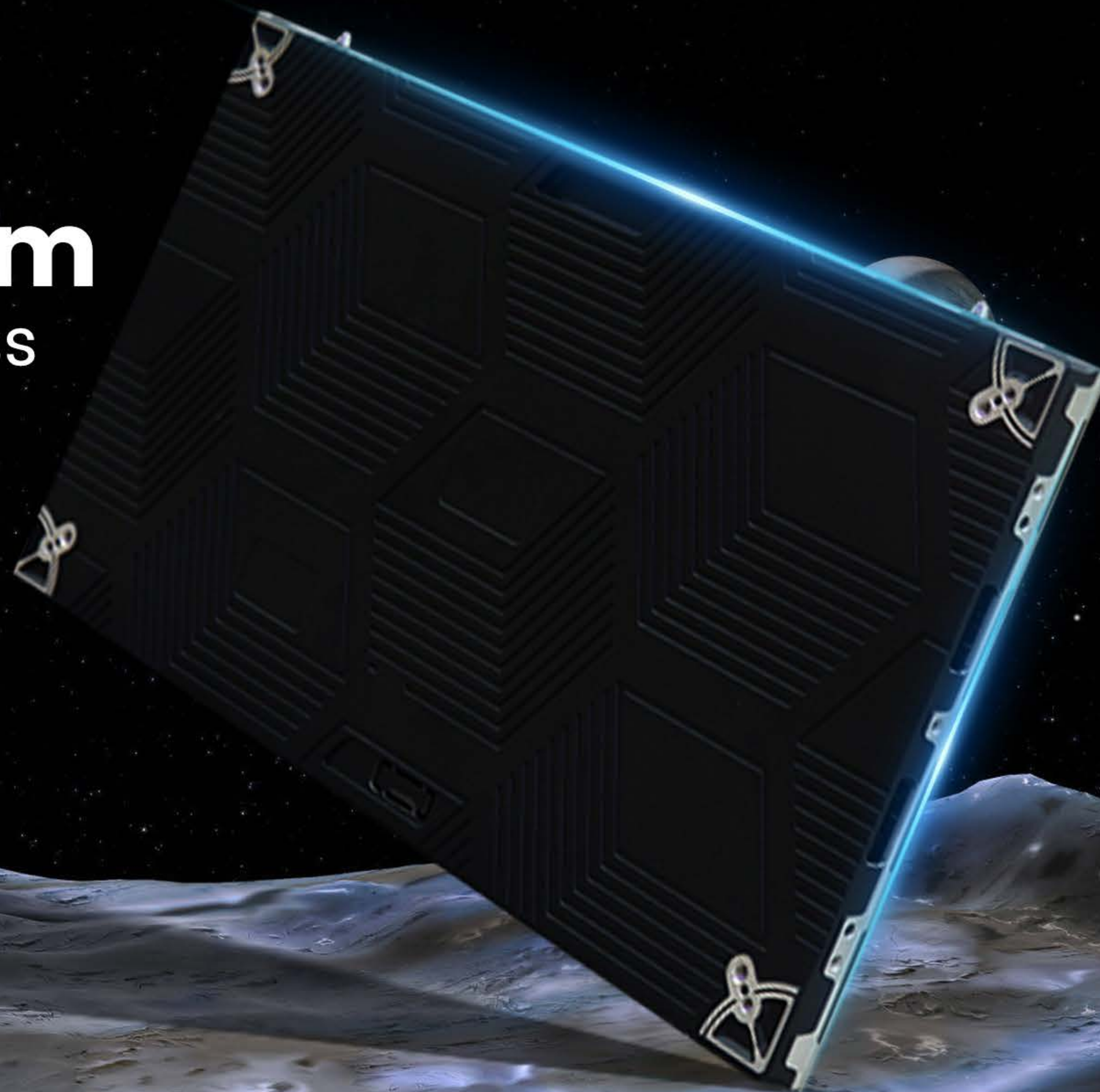


ULTRA-LIGHT AND ULTRA-THIN

With a mere 27.3mm thickness and a featherlight cabinet weight of just 5.2kg.

27.3mm
Thickness

5.2kg
Weight



ULTRA HIGH CONTRAST RATIO

With a 8000:1 ultra high contrast ratio, the display delivers deeper blacks and purer whites, enhancing image depth, detail, and realism.

High Contrast Ratio



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Low Contrast Ratio



Other Series

ULTRA-HIGH REFRESH RATE

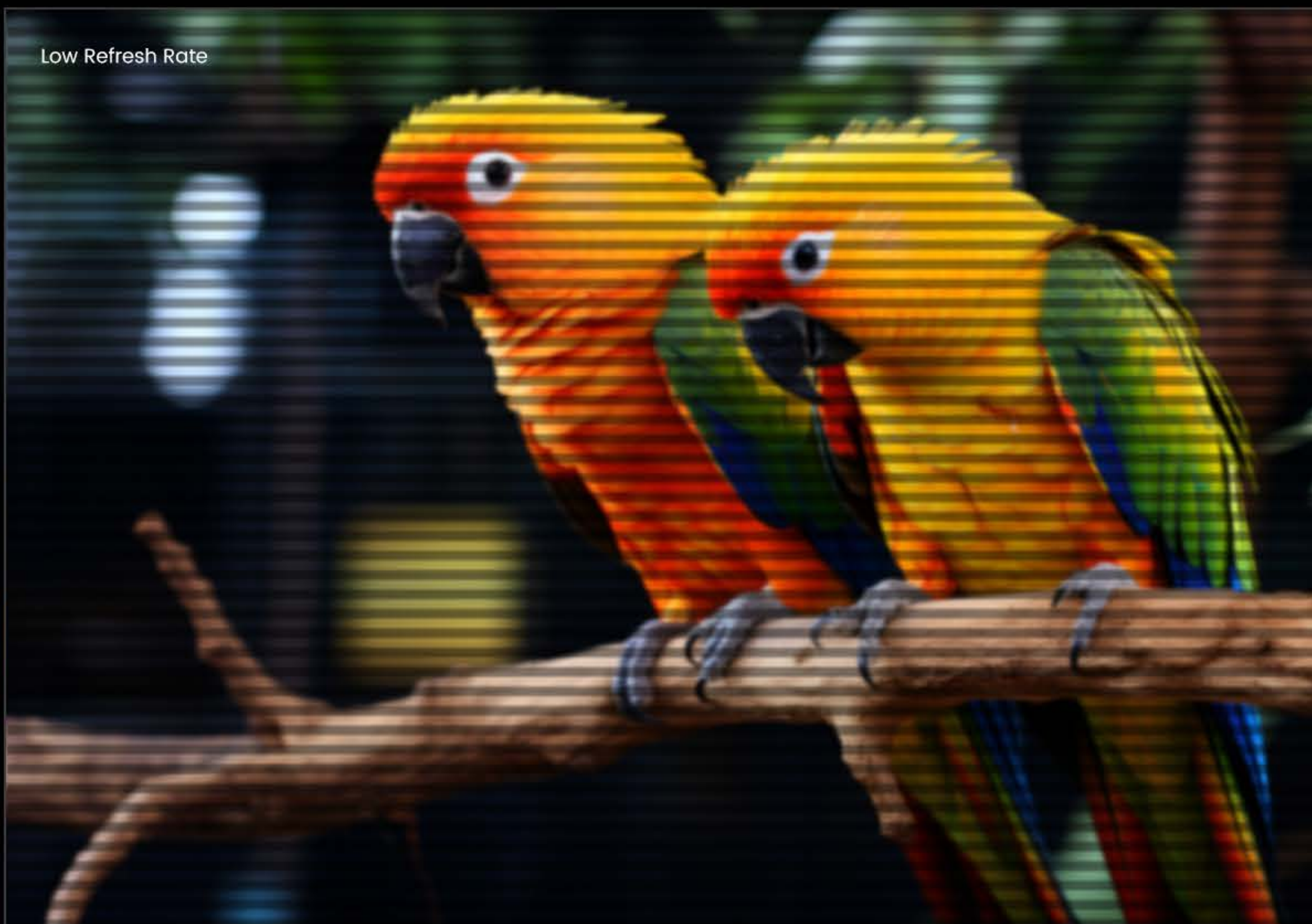
3840Hz high refresh rate, the video picture is delicate and smooth, and the dynamic picture display is more realistic and uniform

High Refresh Rate



ECOB SERIES

Low Refresh Rate



Other Series

170° WIDE VIEWING ANGLE

170°H/160°V ultra wide viewing angle presents a perfect picture in multiple dimensions



VARIOUS INSTALLATION CHOICE



Wall mounted



Hoisting



Portable Mobile Stand



Floor stand mount

CERTIFICATE



SPECIFICATIONS

Energy saving mode	Common Anode			Common Cathode		
Pixel Pitch (mm)	0.9375	1.25	1.5625	0.9375	1.25	1.5625
Pixel Structure	COB 1R1G1B			COB 1R1G1B Virtual		
Pixel Density(dot/m²)	1137778	640000	409600	1137778	640000	409600
Module Size(W*H)(mm)	150*337.5					
Backshell Material	No Backshell					
Module Resolution(W*H)(dot)	160*360	120*270	96*216	160*360	120*270	96*216
Maximum Current(A)	4					
Supply Voltage(V)	DC4.2					
Scanning Method	1/60	1/60	1/48	1/60	1/60	1/48
Refresh Frequency(Hz)	≥3840					
Brightness(cd /m²)	500-600					
Driver IC	Constant Current Drive					
Contrast Ratio	≥8000:1					
Cabinet Size(W*H*D)(mm)	600x337.5x27.3					
Cabinet Material	Die Casting Aluminum					
Cabinet Weight(kg)	5.2					
Enclosure Connection Method	Screw Fixing					
Maintenance Methods	Front Maintenance					
Color Temperature/Luminance Uniformity	3000-9300K Adjustable; ≥98%					
Chromatic Uniformity	±0.003Cx,Cy					
Horizontal/Vertical View	170° (±10°) /160° (±10°)					
Single-point Color Correction	Standard Configuration					
Single Point Brightness Correction	Standard Configuration					
Standard Receiver Card	A10SPLUS-N	A8S-N	A8S-N	A10SPLUS-N	A8S-PRO	A8S-PRO
Frame Rate(Hz)	50/60					
Protection Level	IP30					
Signal Interface Mode	RJ45					
Power Interface Method	Three Pole Flat Connector					
Input Voltage Range AC(V)	100-240					
Peak Power Consumption(W/m²)	≤350			≤260		
Average Power Consumption(W//m²)	≤150			≤120		
Working Temperature and Humidity Range	-20°C~+50°C,10%~95%RH					
Storage Temperature and Humidity Range	-40~+70°C,10%~95%RH					
Service Life(H)	≥100000					
Mean Time Between Failure(H)	≥10000					

CERTIFICATE



5 YEARS WARRANTY

Common warranty in LED field is 2 years, ours is 5
Longer warranty periods, better after-sale services
worry-free user experience



OEM&ODM

1000+
Projects

5 days
Fast delivery



Door to door

3D

Installation video



Sample support



CONTACT US

SHENZHEN DDW TECHNOLOGY CO.,LTD



0086 755 23229716



0086 134 17558100



www.ddw.net



info@ddw.net



2F Building 8, YiLisheng Industry Park, Fuyong
Baoan District, Shenzhen,518103