



Butterfly LED **APEXPRO SERIES**

Stabilize Your DOOH in All Weather

CONTENT



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The slide features a background of three concentric circles in white, light blue, and dark blue. A red L-shaped graphic is in the top right corner, and a large red 'L01' is in the bottom left. The text 'Product Overview' is centered in the dark blue circle.

Product Overview

STABLIZE YOUR DOOH IN ALL WEATHER

Product Overview



01

Excellent outdoor fixed LED display screen

02

8500-12000nits Ultra High Brightness

03

Front/Rear IP66 rating

04

Wide application for DOOH

05

Die-casting aluminum cabinet



Scope of Application

02

STABILIZE YOUR DOOH IN ALL WEATHER

APPLICATION:

Fit for :

Commercial integrated mall

AIRPORTS

Public institution

Integrated public services

etc.



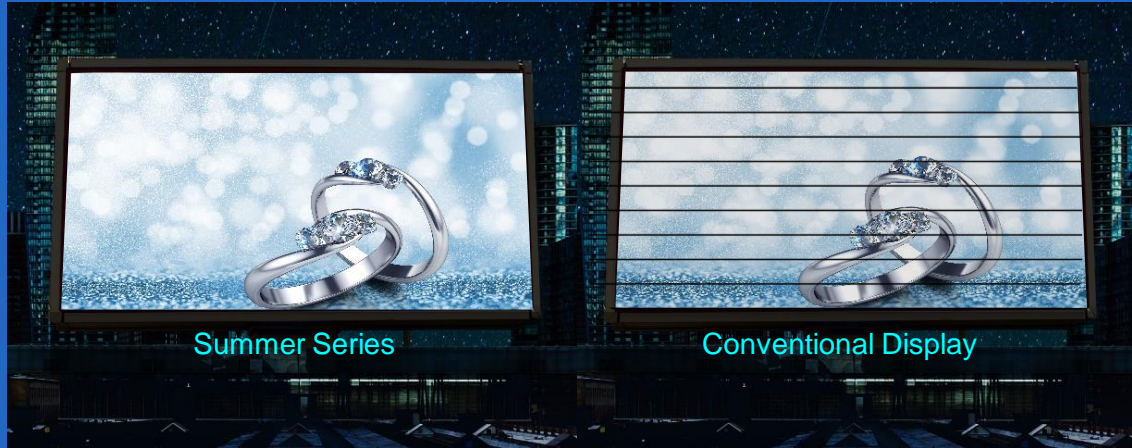


Product Features

03

STABLIZE YOUR DOOH IN ALL WEATHER

Maximize Advertising Value with Glorious Image



8500-12000nits brightness



14bit gray scale



3840Hz-7680 refresh rate



P4/6.6/10 available



Higher contrast*

Summer Series can provide premium images with up to 10000 nits of brightness, which is more sparkle than others in any environment, maximize the value of your advertising content and attracting passers-by.

*Optional

Ultra viewing angle, Strengthen advertising value



Viewing angle **H: 160° V: 110°**,
bigger viewing angle to make sure a better viewing experience

Good heat dissipation

Efficient Heat Dissipation With Multiple Special Design



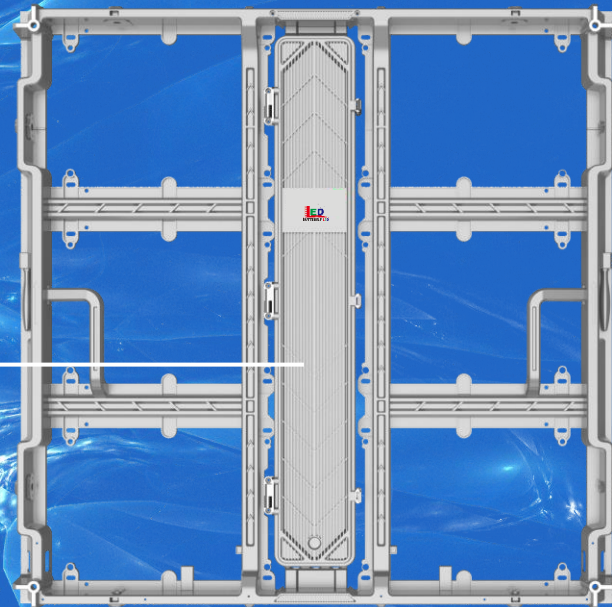
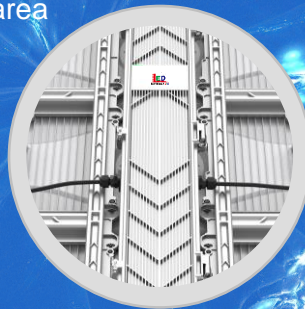
Fully-hollowed cabinet design with large air convection area



Die-casting aluminum module back shell



Thermal conductive adhesive






Good heat dissipation



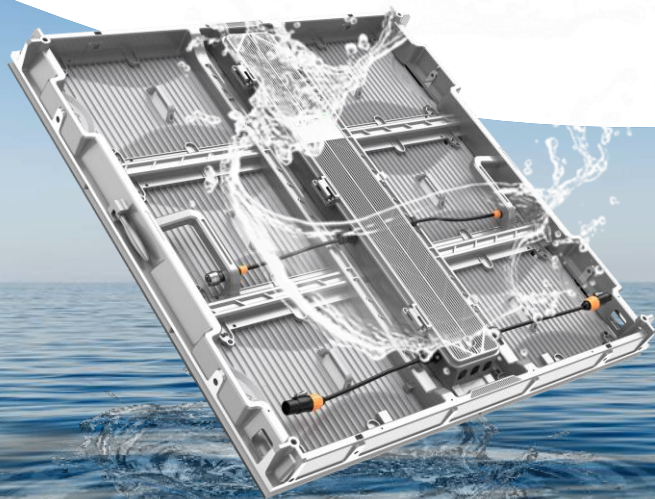
sunny



-  Less heat absorption: Special coating materials to make sunlight reflect stronger
-  Temperature 15°C lower than traditional black cabinets
-  Temperature 6°C lower than traditional white cabinets

Superior Waterproof Performance-IP66

Seamless design that withstands any weather and environment with IP66 protection



IP66 Test*



Water temperature: $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$



Water pressure: 80~100 bar



Water flow rate: $100 \pm 5\text{L/min}$



Water spray distance: 2.5~3m



Water spraying angle: 0° , 30° , 60° , 90°



Water spraying time: 30 seconds per angle

Wide range of applications

A dark, moody photograph of a tree with rain falling heavily around it. A semi-transparent grey rectangle is overlaid on the image.

Rain

A black and white photograph of a tree with bare branches, standing in a field under a dark, stormy sky. A semi-transparent grey rectangle is overlaid on the image.

Hurricane

A photograph of a vast, orange sand dune under a clear blue sky. A semi-transparent orange rectangle is overlaid on the image.

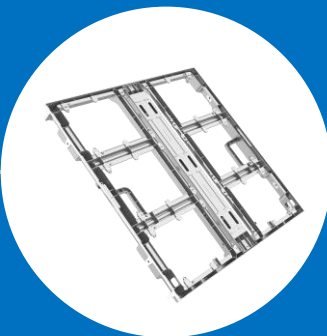
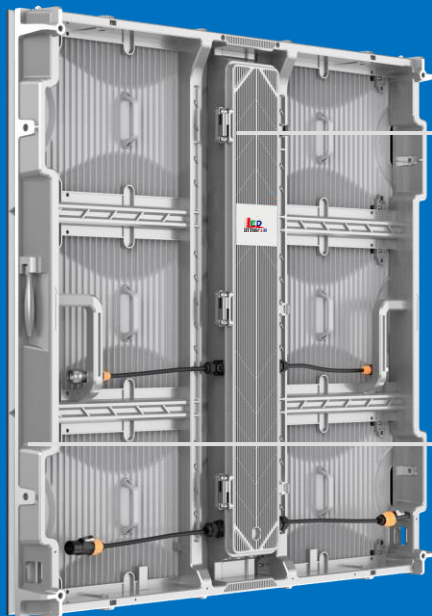
Heat

A photograph of a snowy landscape with trees covered in white snow. A semi-transparent blue rectangle is overlaid on the image.

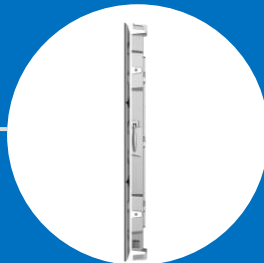
Cold

Stable protection in extreme environment

Ultra Light & Slim Cabinet



Die-casting aluminum frame, light and robust



- The cabinet weight is $\leq 25\text{kg/panel}$ (960x960mm)
- Cabinet thickness: 91mm (Include module)

Summer Series is a lightweight and slim solution, enabling single-person installation and maintenance, reducing labor and shipment costs



die-cast aluminum cabinet

Al profile



Poor structural strength



Profile aluminum cabinets are spliced together using separate frames, not one-piece forming, and the structural strength of the joints is insufficient.



Poor flatness

Splicing molding, processing accuracy is insufficient, flatness error is greater than 0.7mm



Unchanged installation and handling

Cabinets are designed without handles, making installation and handling inconvenient

die-casting



Excellent structural strength



Die-cast cabinets molded in one piece for better structural strength

Better flatness



Die-casting cabinet using CNC technology, processing precision is higher, flatness can be maintained below 0.3mm



Lightweight panel

Lightweight cabinets reduce the amount of steel used. Reduced transportation costs and ease of installation

sheet metal



Easily corroded

Iron rusts easily in outdoor environments, leading to malfunctions



Poor flatness

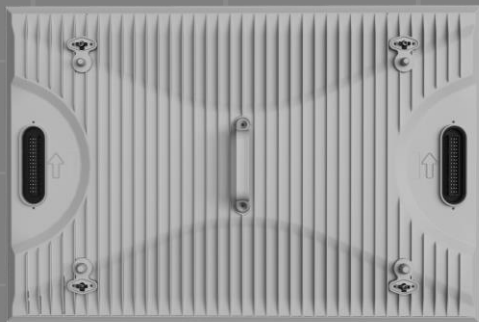
Sheet metal box body processing process to increase the error, flatness $\geq 0.7\text{mm}$



overweight

weights $\geq 32\text{kg/panel}$, Requires more mounting steel tubing, higher installation costs, heavier weight, increased transportation costs

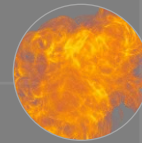
Module



Module handler



4pcs knobs /module, Can withstand 21.94kg pulling force without breakage



Fire prevention

01

Compatible with both
right & left modules

02

Fully-waterproof design

03

Elegant metal module back shell

die-cast aluminum bottom case



structural strength



protective



durability



safety performance



plastics bottom
case

deformable

waterproofing
IP65

Easily cracked

flammable



die-cast aluminum
bottom case

non-deformable

**waterproofing
IP66**

non-cracking

non-flammable



General Module
bottom case

deformable

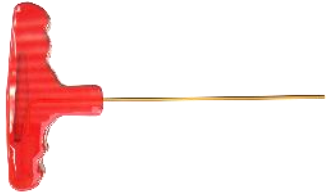
non-waterproof

Easily cracked

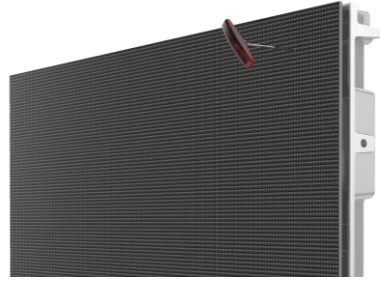
flammable

Die-cast aluminum bottom case have better protection and stability than traditional plastic bottom case. More suitable for use in harsh outdoor environments

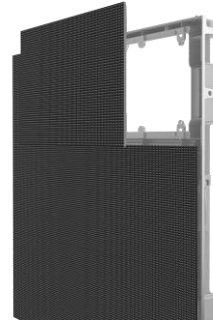
Front Maintenance



Professional
maintenance tool



Unlock modules
anticlockwise

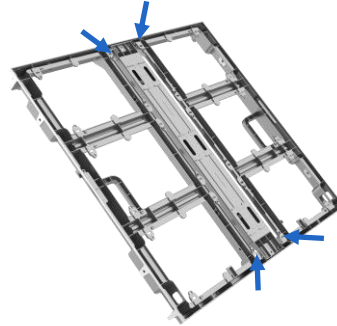


Remove modules

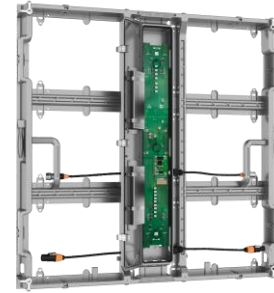
Front Maintenance



Remove modules



Loosen the set screws



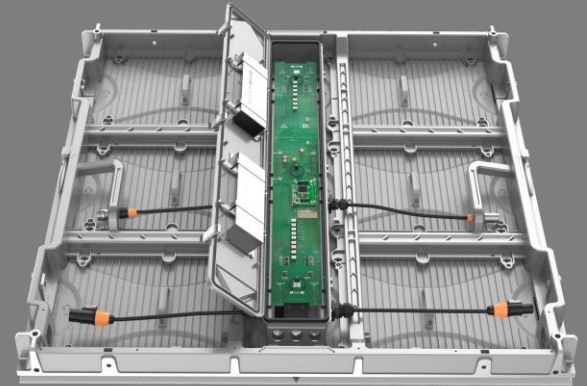
Open the latch and
maintain the control box

Rear Maintenance

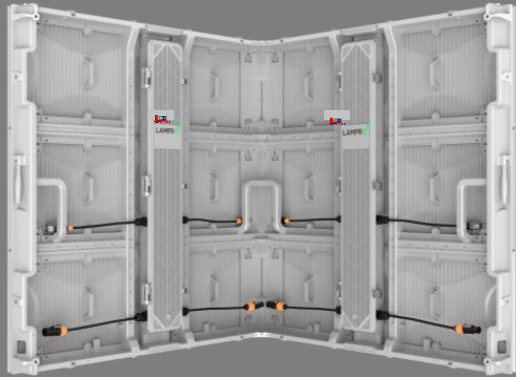
Unlock module back
with professional tool,
disassemble module
for back maintenance.



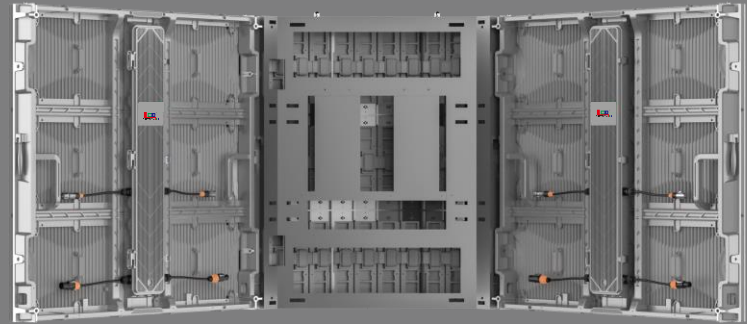
Disconnect power,
open locks on back
cover, to maintain
power supply,
receiver & hub



Right Angle Solution



Right Angle Solution



Right Angle Solution



Product Specification

L04

STABLIZE YOUR DOOH IN ALL WEATHER

Parameter	Value			
Model	Summer 4	Summer 6	Summer 8	Summer 10
Pixel Configuration	SDM1921	SMD2727	SMD2727	SMD2727
Pixel Pitch (mm)	4	6.67	8	10
Pixel matrix per panel	240*240	144*144	120*120	96*96
Pixel density (pixels/sq.m.)	57600	22500	15625	10000
Cabinet Dimensions (WxHxD)/(mm)	960x960x91			
Module Dimensions (WxH)/(mm)	480X320			
Cabinet weight (kg/panel)	25			
Color Grayscale (Bit)	14bit			
Gray Scale per Color (level)	16384			
Refresh Rate (Hz)	3840-7680			
Brightness (nits)	7500-8500	8500-10000	10000-11000	10000-12000
Optimal Horizontal Viewing Angle (°)	140	160	140	150
Optimal Vertical Viewing Angle (°)	Up60/Down60	Up50/Down60	Up50/Down60	Up50/Down60
Contrast ratio	5000-6500:1	5500-10000:1	5500-10000:1	8400-14000:1
AC Input Power Maximum Value (W/m²)	650-700	640-750	600-710	600-710
AC InputPower Typical Value (W/m²)	217-233	213-250	200-240	200-240
Storage Temperature (°C)	-40-80			
Working Temperature (°C)	-20-50			
IPrating (Front/Rear)	IP66			
Storage Humidity (RH)	10%~90%non-condensing			
Working Humidity (RH)	10%~90%non-condensing			
Lifetime Typical Value (hrs)	100000			

DUBAI

04A, Farkrrudingproperty Complex, DIP2,

Dubai, UAE

Tel: +971 50 689 2718 | +971 58 281 5031

