

AN INNOVATIVE FINE PITCH LED DISPLAY MODULE SERIES

MiniBox II

Integrated | Intelligent | Type-C



TWO SIZES

320×160mm / 320×180mm

Available



NEW CONNECTION TYPE-C CONNECTOR

2 in 1 (Power & Signal)

Stronger Stability

Easier to install



DTL PROTOCOL

Smart and fast



High refresh rate

4800 Hz



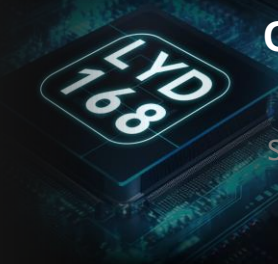
0° FLATNESS

Excellent
flatness



SELF-DEVELOPED CHIP - LYD168

Strong anti-EMI ability

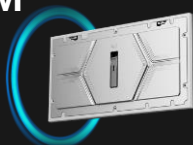


SEAMLESS SPLICING

Customizable for any splicing



COOLING SYSTEM

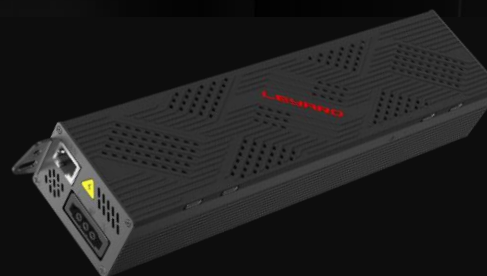


Aluminum bracket

Thermal conductive adhesive

INTELLIGENT CONTROLLER M18

Highly integrated



HDR DISPLAY DCI-P3 LEVEL (OPTIONAL)



MiniBox II Series

PROFESSIONAL LED DISPLAY KIT

MAKE INSTALLATION EASIER

- MiniBox II LED Modules
- Intelligent Control Box M18
- Type-C Cable (Power&Data All in 1)



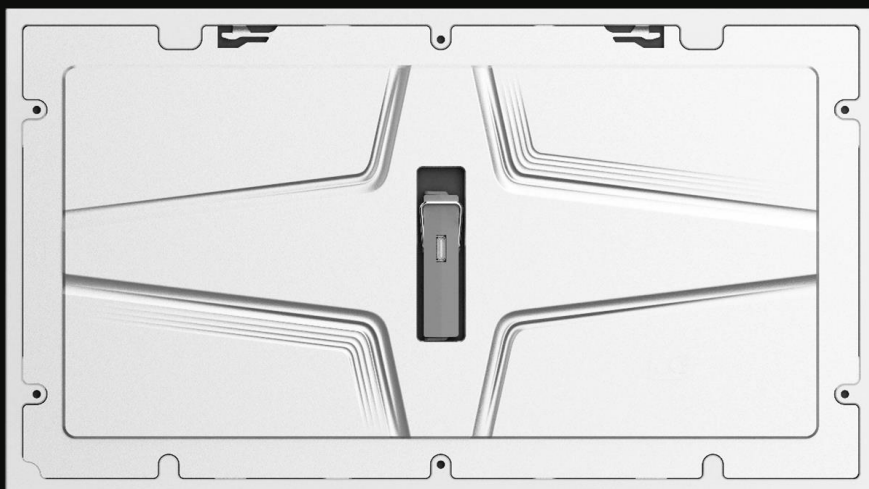
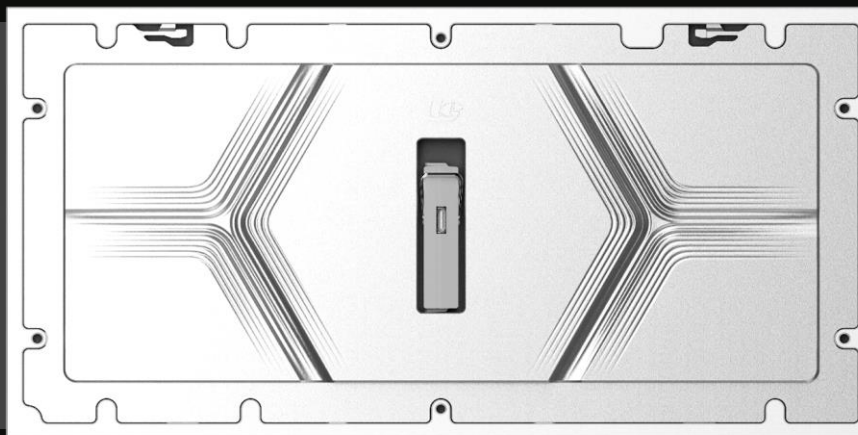
TWO SIZES AVAILABLE

320×160mm / 320×180mm LED module sizes

320×160mm

LCH II

GENERAL MAINSTREAM SIZE



320×180mm

LCH II Plus

16:9 STANDARD SIZE

Type-C

TYPE-C CONNECTOR

HIGHLY
INTEGRATED



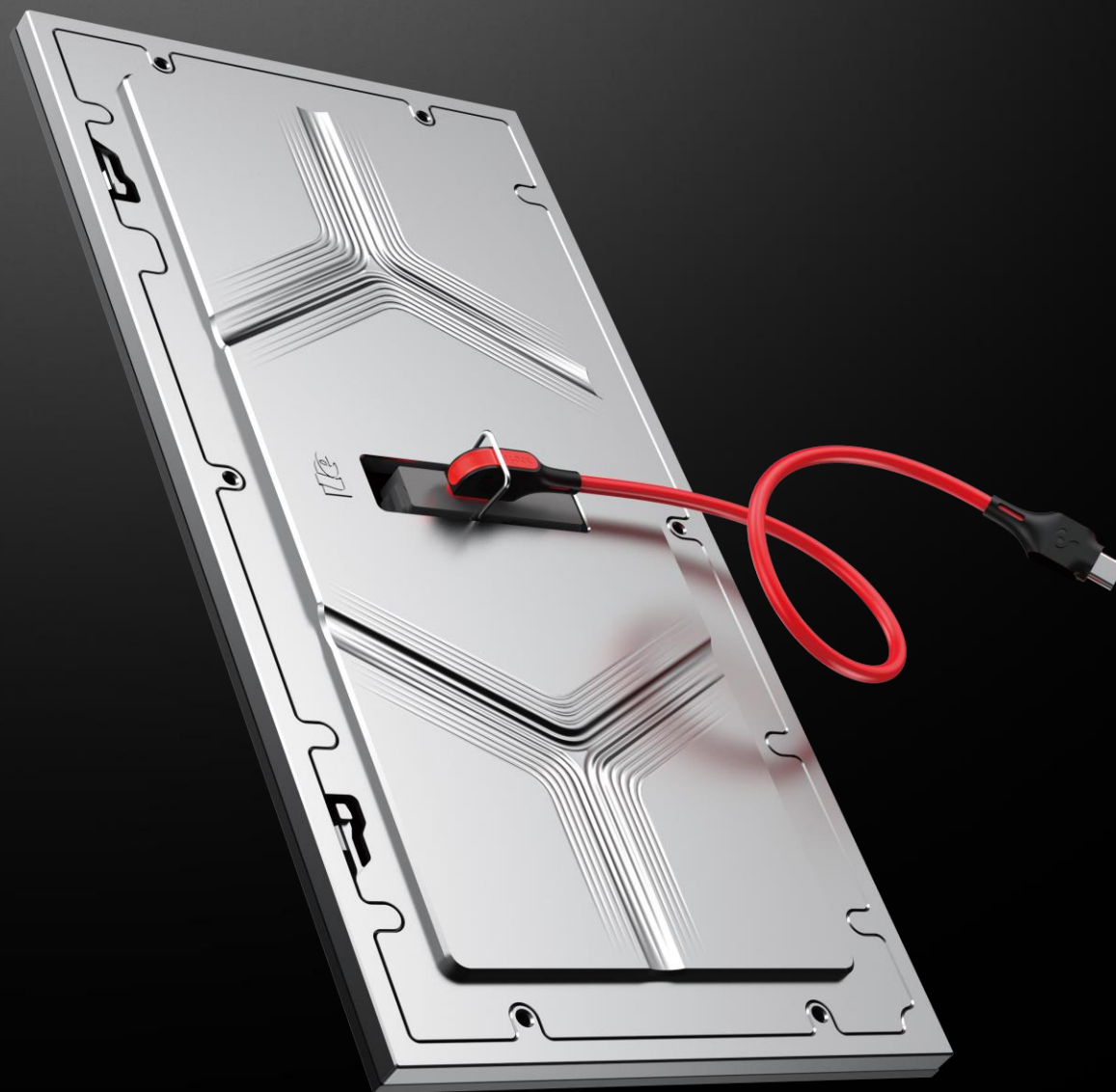
HIGH SPEED
TRANSMISSION



EASY
INSTALLATION
MAINTENANCE



MORE
STABLE



Type-C

HIGHLY INTEGRATED

Power and data in one cable



TYPE-C

Type-C

EASY INSTALLATION AND MAINTENANCE

- More convenient connection
- More efficient installation

It is more convenient to plug the cable's connector into the interface of LED module without distinguishing the direction



Type-C

SAFETY BUCKLE DESIGN

Safety buckle

Ensure that the cables are secure



SELF-DEVELOPED

DTL TRANSMISSION PROTOCOL



INTELLIGENT DATA TRANSMISSION

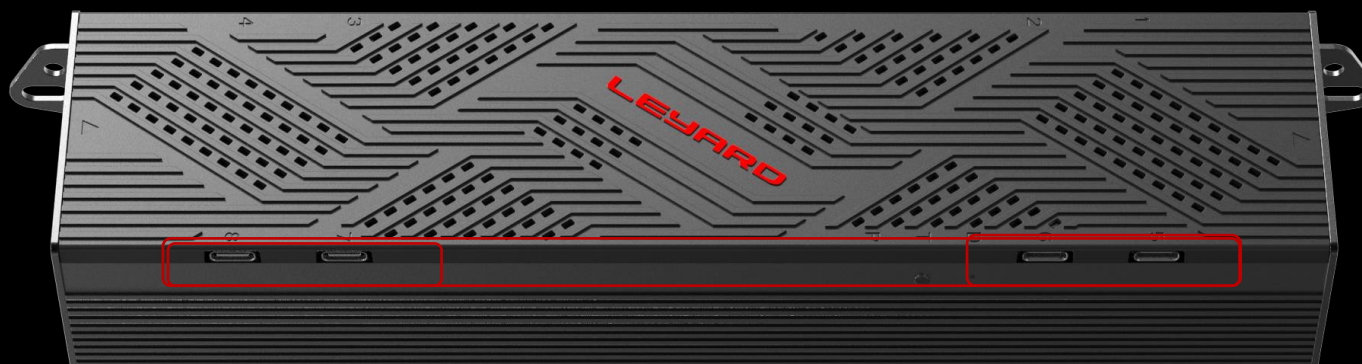
Meets USB3.1 transmission standard, more efficient
and stable

HARDWARE INTEGRATED

INNOVATIVE INTEGRATION



POWER SUPPLY + HUB BOARD + RECEIVING CARD

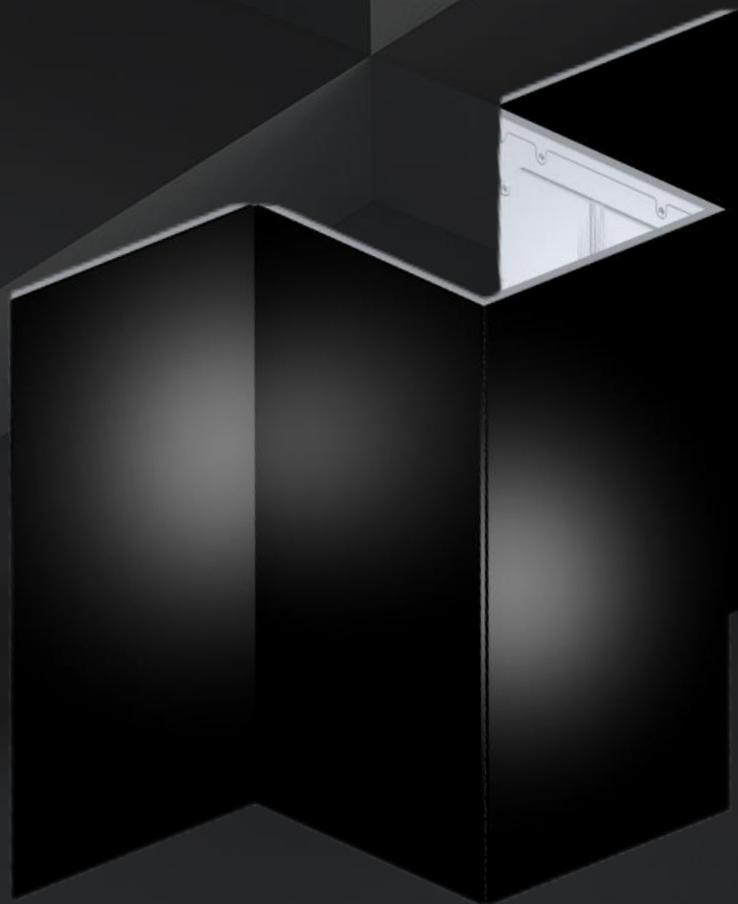


**INTEGRATED OUTPUT
(POWER & SIGNAL IN 1)**

SEAMLESS SPLICING

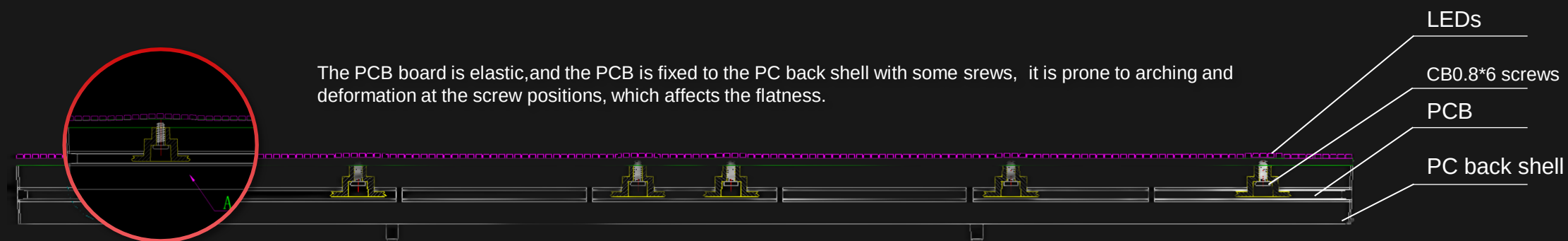
FOR ANY CUSTOMIZABLE SOLUTION

- Installation without cabinet
- Customizable Right-angle Splicing

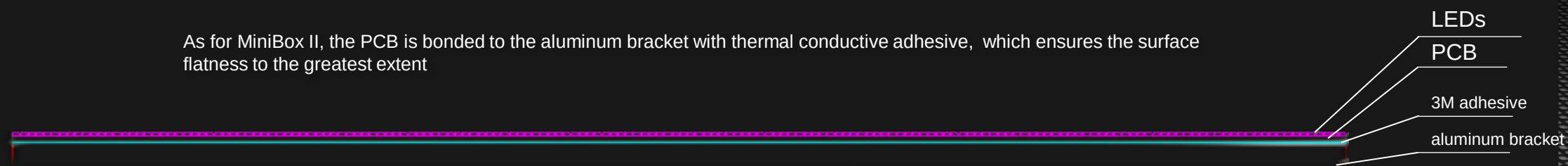


0° FLATNESS

THERMALLY CONDUCTIVE 3M ADHESIVE



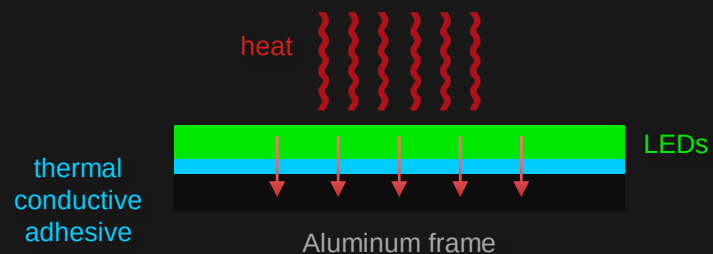
As for MiniBox II, the PCB is bonded to the aluminum bracket with thermal conductive adhesive, which ensures the surface flatness to the greatest extent



COOLING SYSTEM

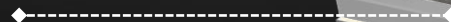
MiniBox II adopts Cooling system heat dissipation, which greatly improves the physical heat dissipation intensity

ALUMINUM FRAME
+
THERMAL CONDUCTIVE ADHESIVE

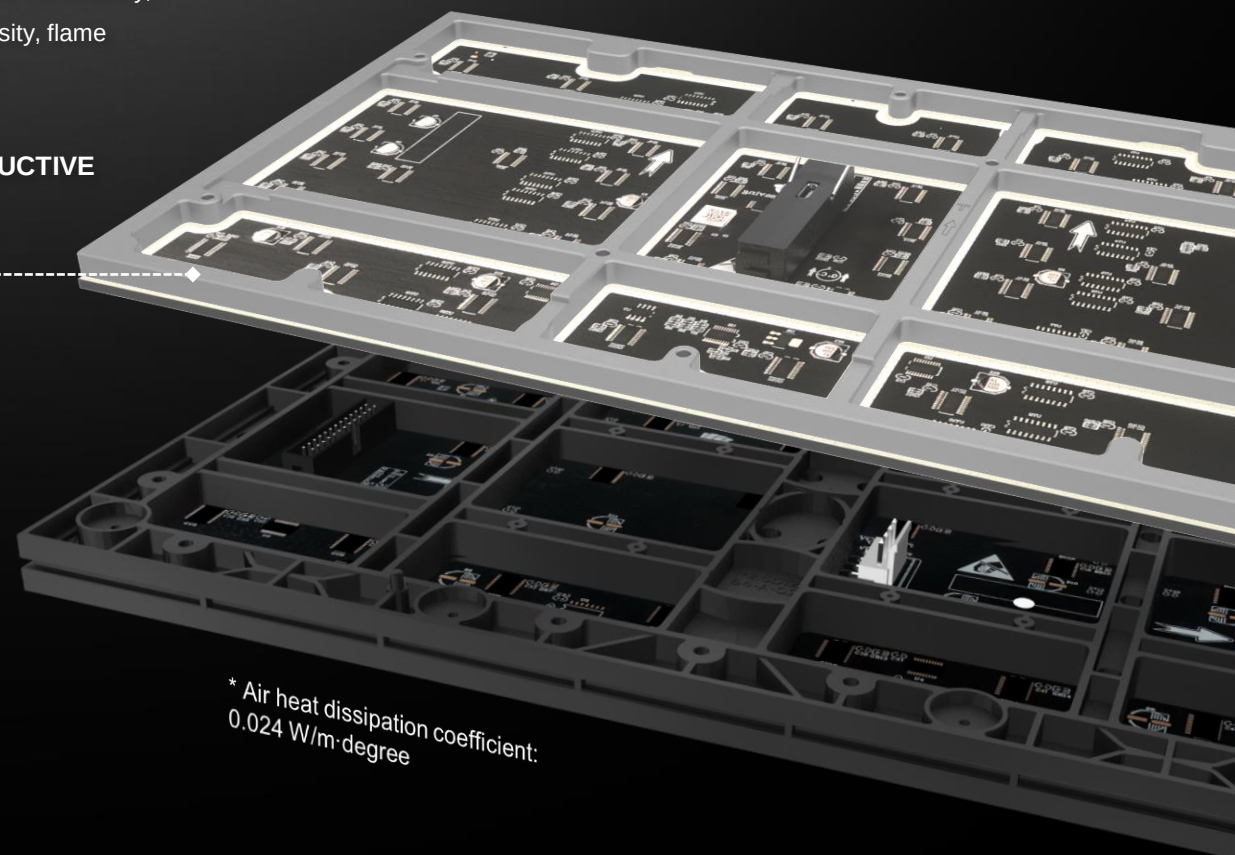


- Excellent thermal conductivity, insulation, viscosity, flame retardancy

THERMAL CONDUCTIVE ADHESIVE



* Aluminum heat dissipation coefficient:
200 W/m·degree



* Air heat dissipation coefficient:
0.024 W/m·degree

ULTRA HIGH REFRESH RATE: 4800HZ



LOW REFRESH RATE



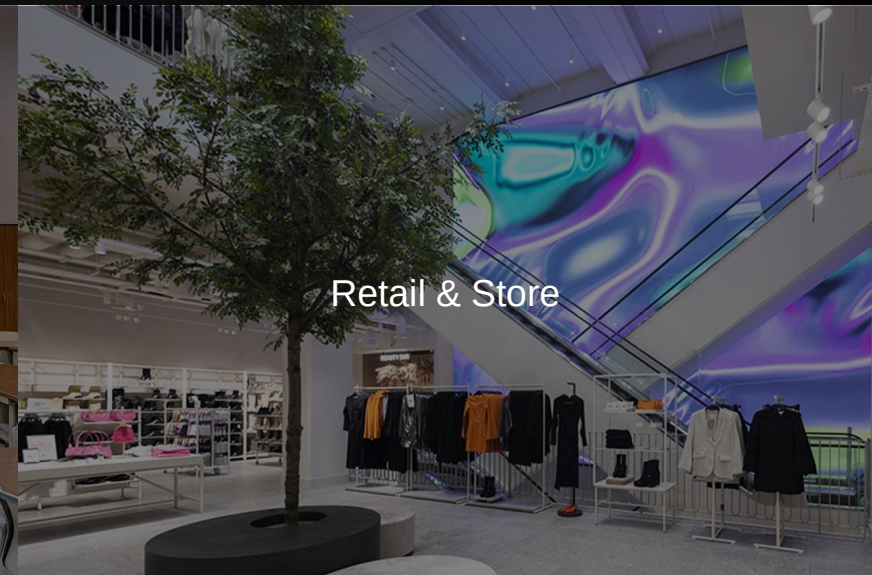
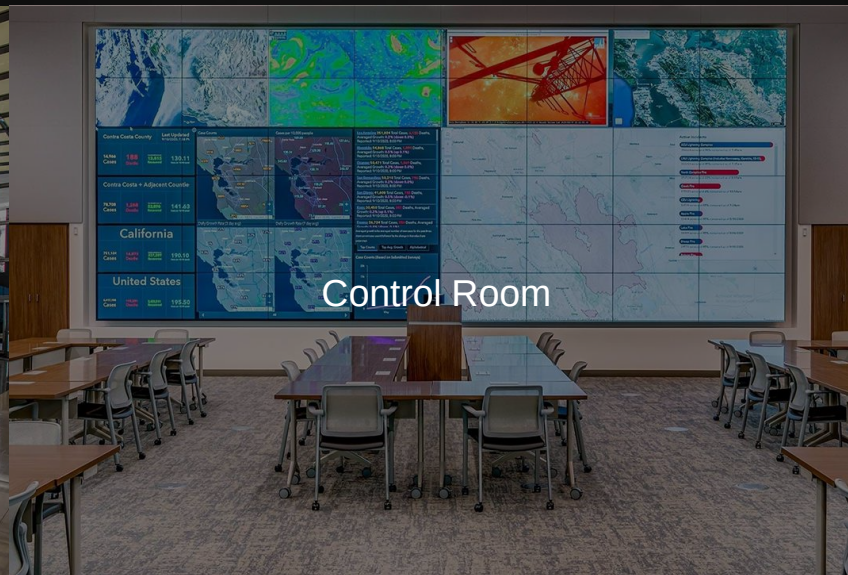
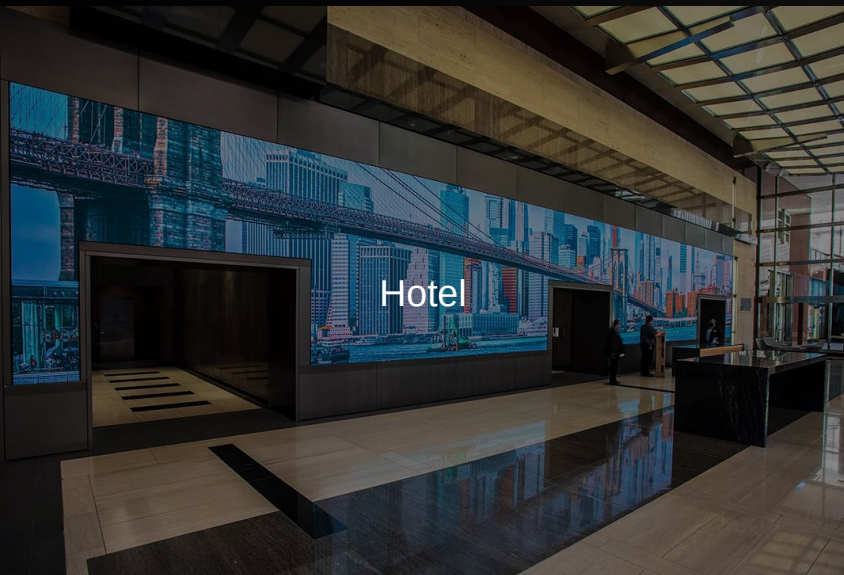
HIGH REFRESH RATE

* High refresh rate display brings smoother video playback and also can avoid problems such as unclear display, flickering or moire pattern when using a mobile phone or camera to record or photograph the LED screen.



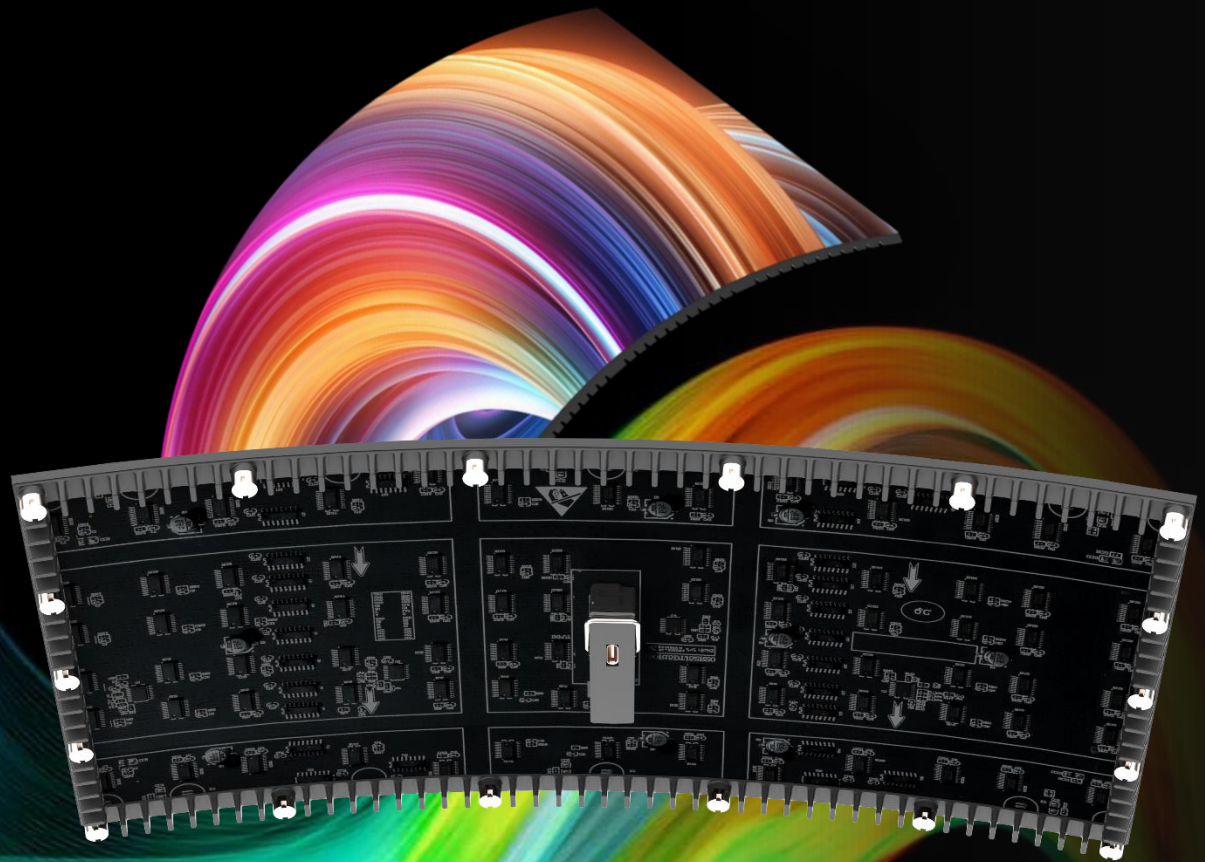
EXTENSIVE APPLICATIONS

VERTICAL MARKETS & PROJECTS REFERENCE



LCH II Flex Introduction

LCH1 II Flex / LCH1.2 II Flex / LCH1.5 II Flex
LCH1.8 II Flex / LCH2 II Flex / LCH2.5 II Flex



Innovative Flexible Module

LCH II Flex Series

Great Performance

$\geq 4800\text{Hz}$

Refresh Rate

8000: 1

Contrast Ratio

100000hrs

Lifespan

Unique Design

Soft

Suitable for Concave and Convex Shapes

1m Diameter

Minimum Diameter of Concave and Convex Curvature

Innovative Interface

Integrated Power & Data Connection

Module Spec

160° Horizontal **140°** Vertical

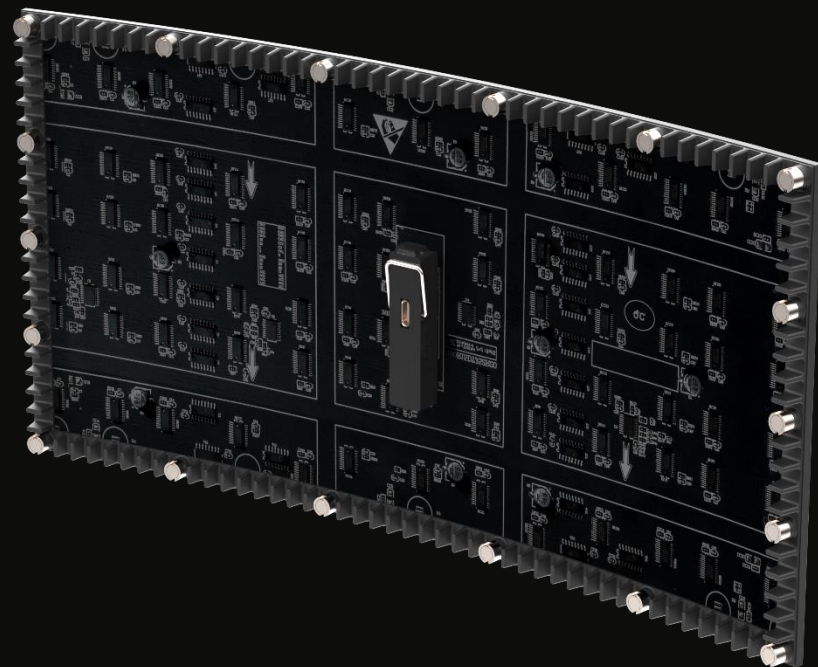
Large Viewing Angle

3000—38000K

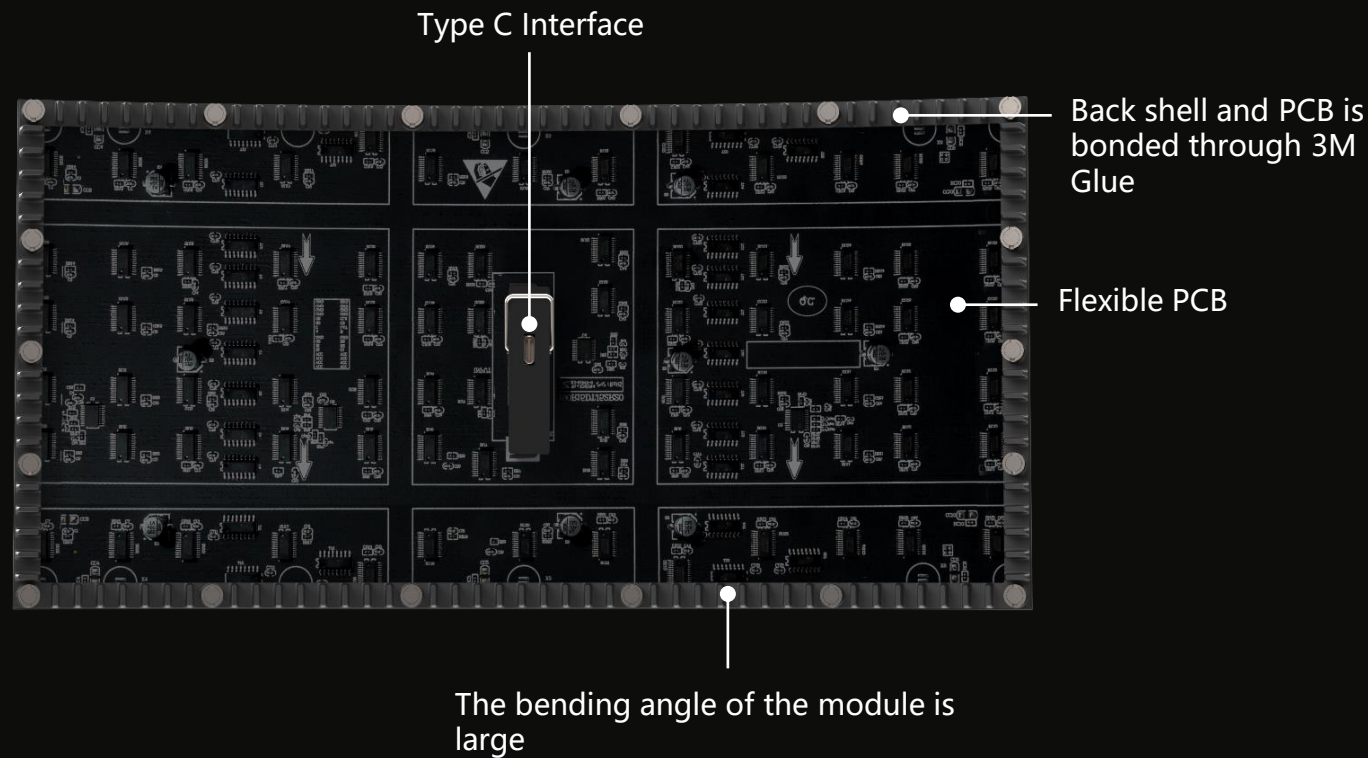
Color Temperature Adjustable

320×160×9.5_{mm}

Common Back Shell
Standard Size

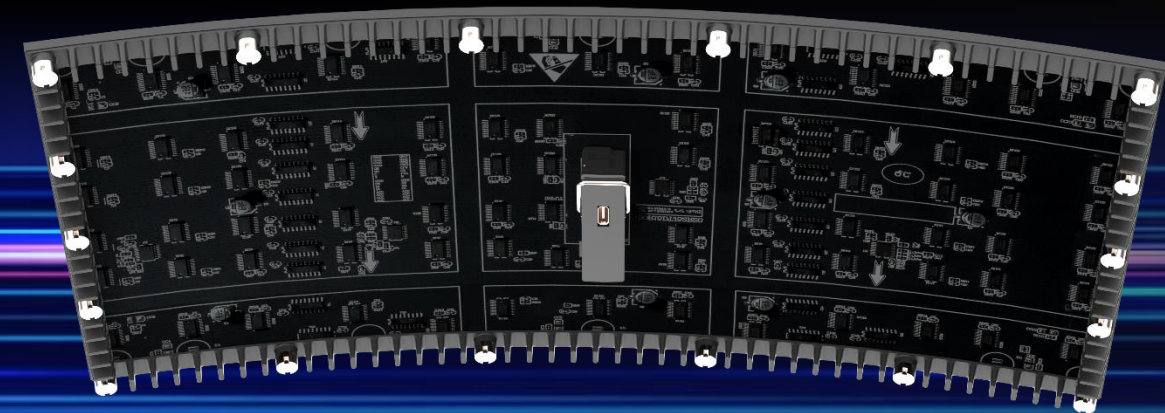


Stereoscopic
Diagram



Module Power & Data Integration

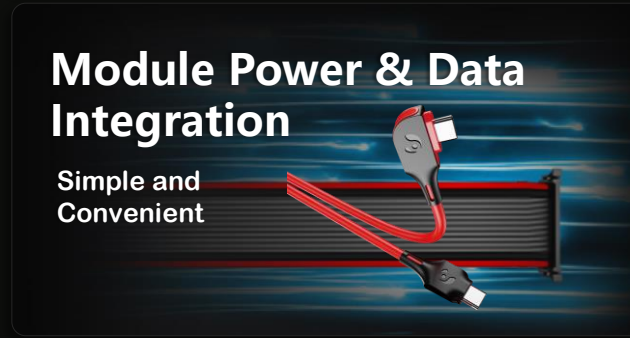
Module Power & Data Integration into one single cable, allowing for easy installation and neat wiring, improving safety.



LCH II Flex Series Cabinet (Example)



Product Introduction



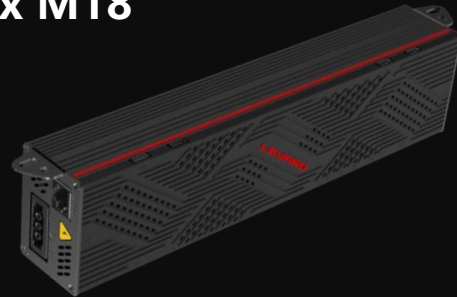
Industry's First Type-C Interface



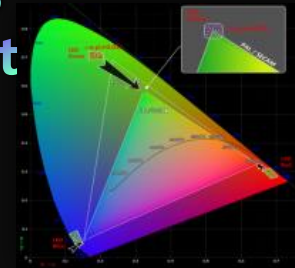
Integration of Power & Data
Better Stability
More Convenient Installation

Intelligent Control Box M18

Innovation
Integration
Safe and Reliable

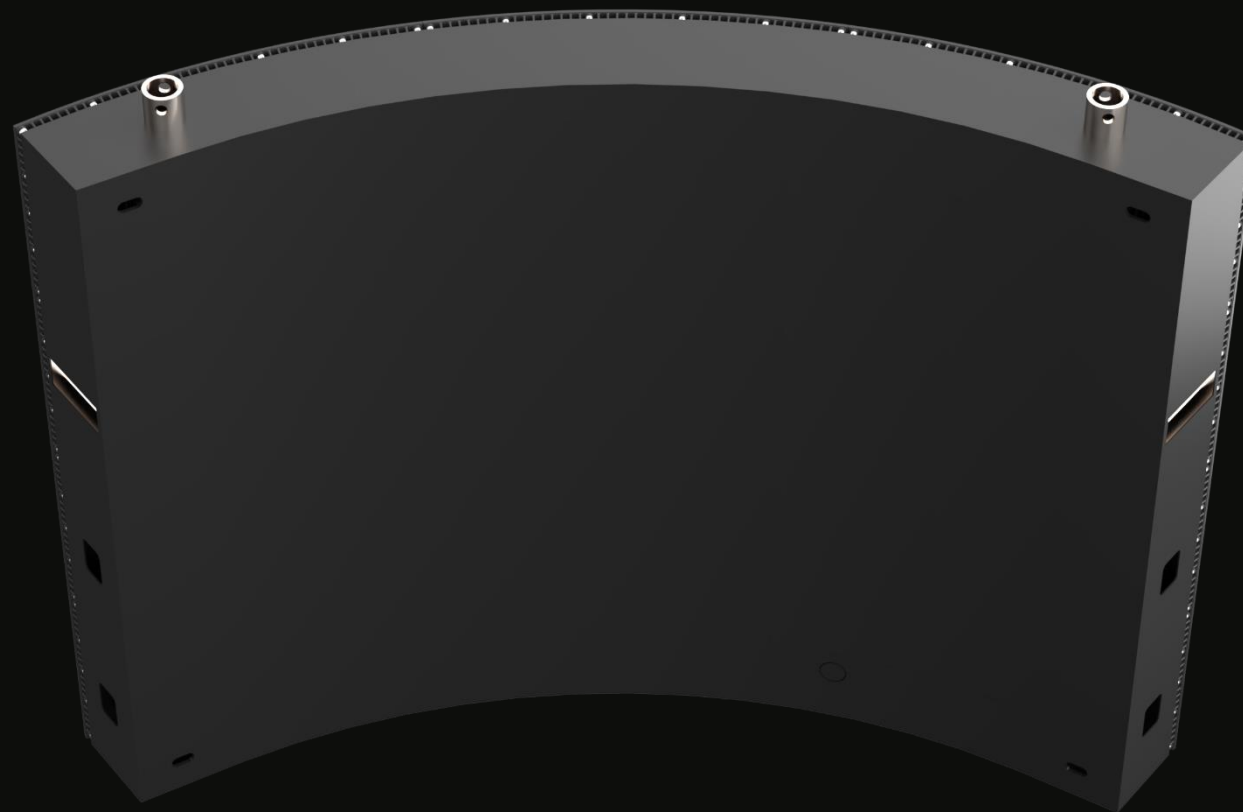


HDR DCI-P3
Color Gamut
Optional



Cabinet Rear View

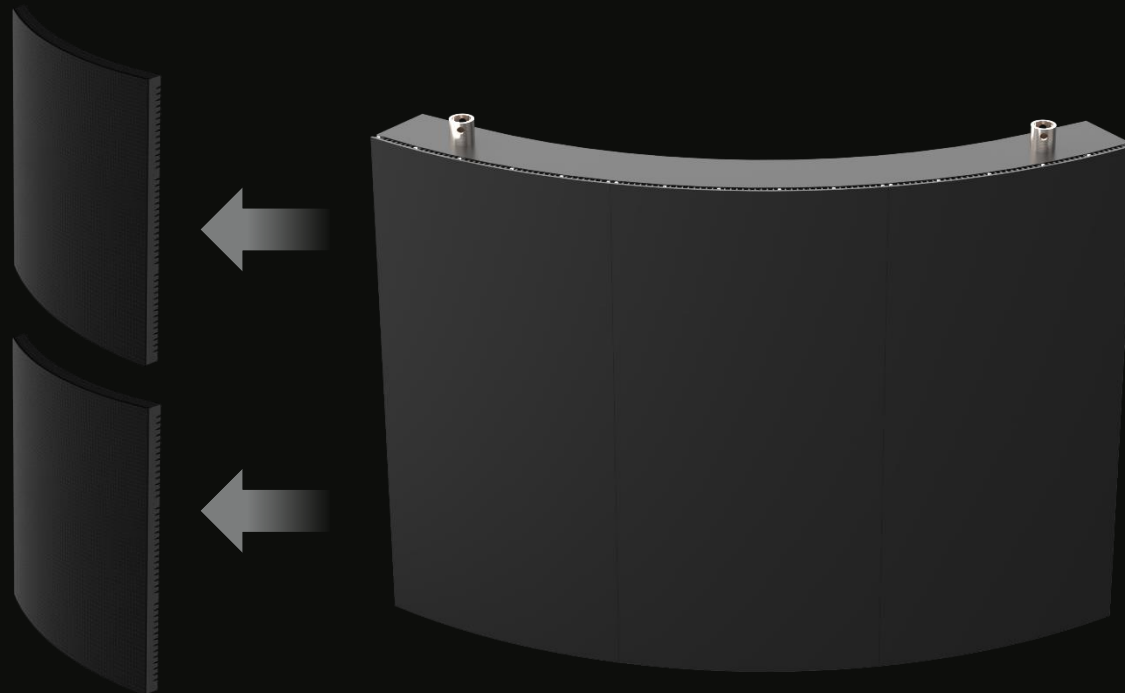
Simple indoor sheet metal cabinet.
The modules touch the cabinet directly.

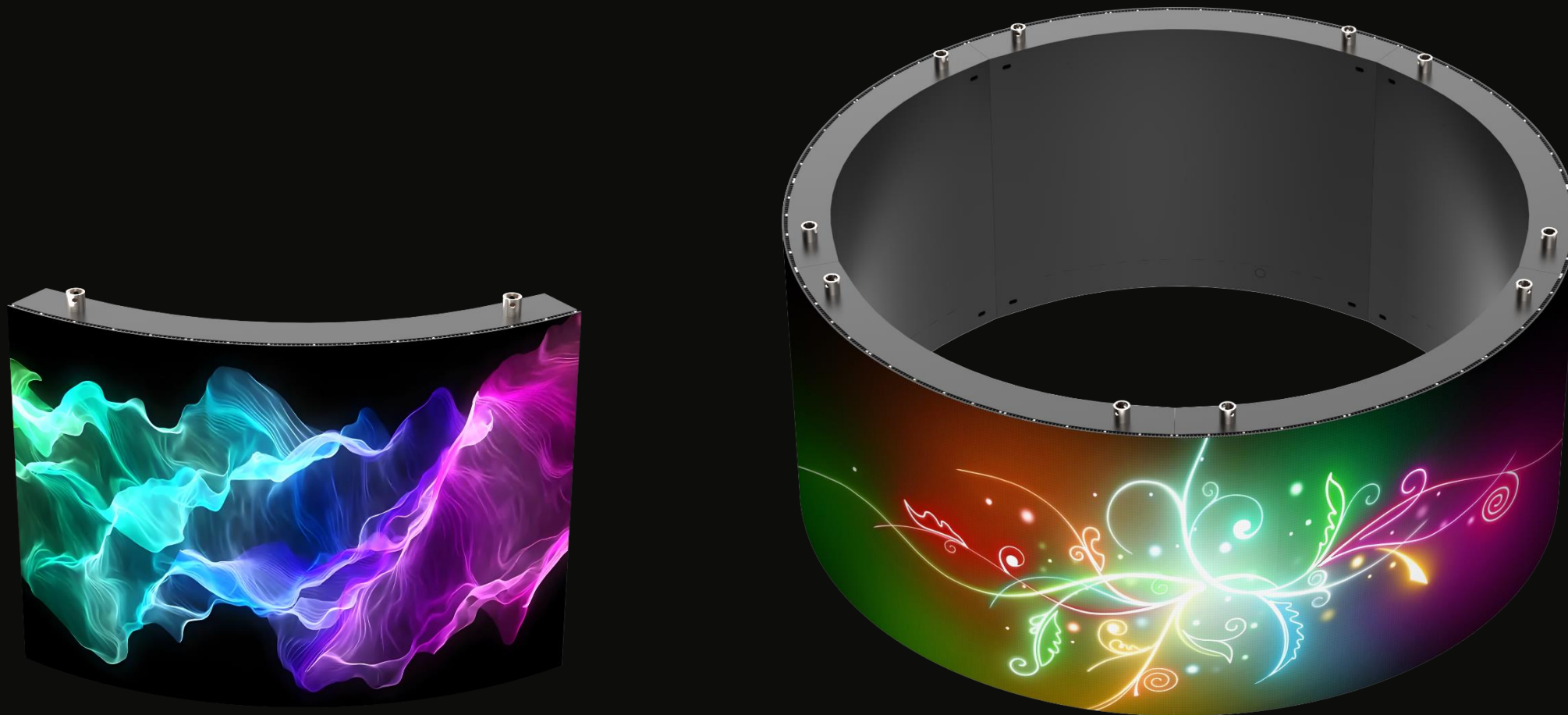


Cabinet Front View

Module size: 320x160mm

Cabinet curvature and size(length and height) can be customized according to the actual requirements

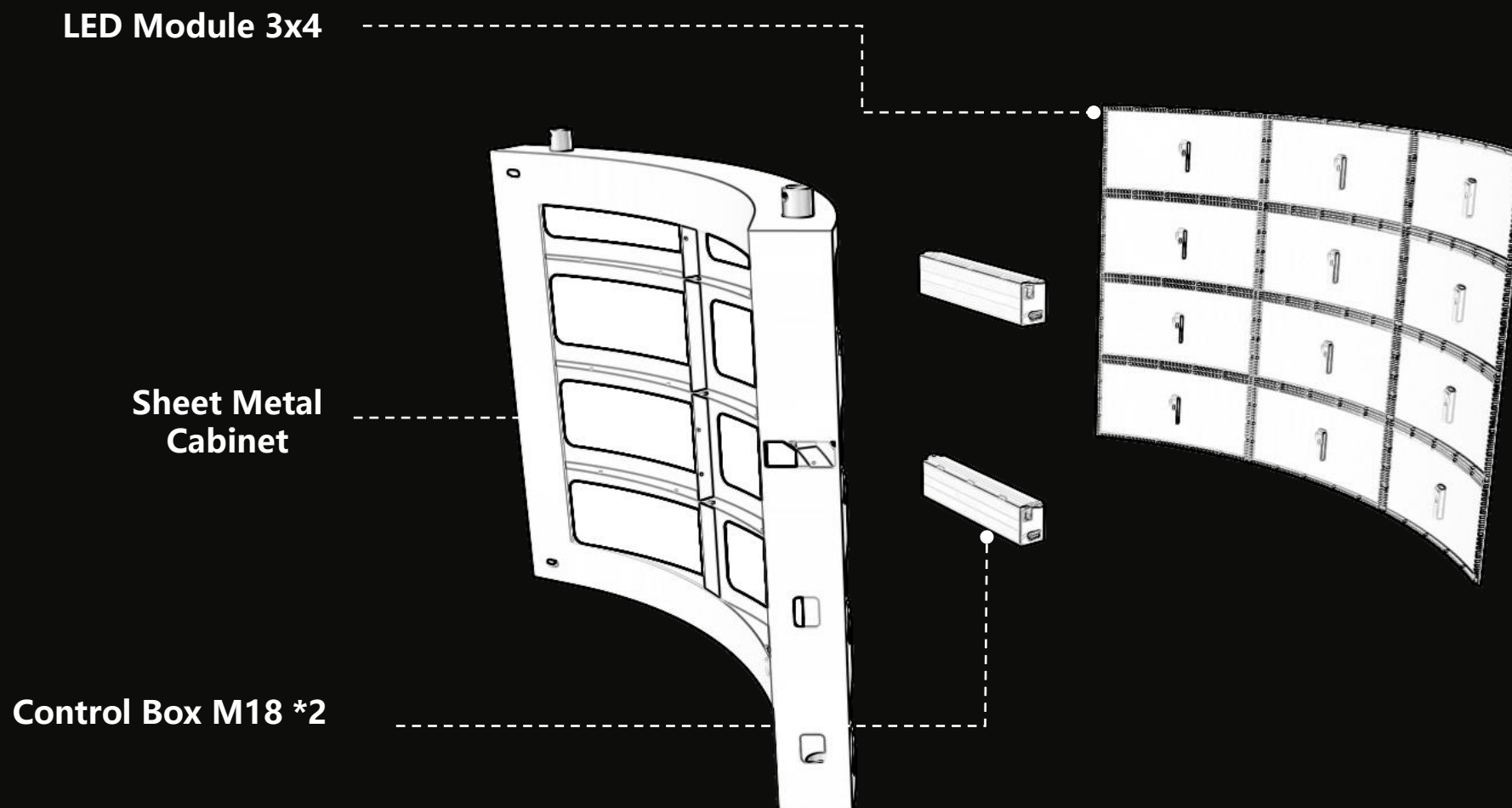




Cylindrical Screen

Min Diameter: 1M

Typical Example





MAKE THE WORLD SEE

INNOVATIVE LED DISPLAY | Minibox II



LEYARD HONG KONG INTERNATIONAL CO., LIMITED