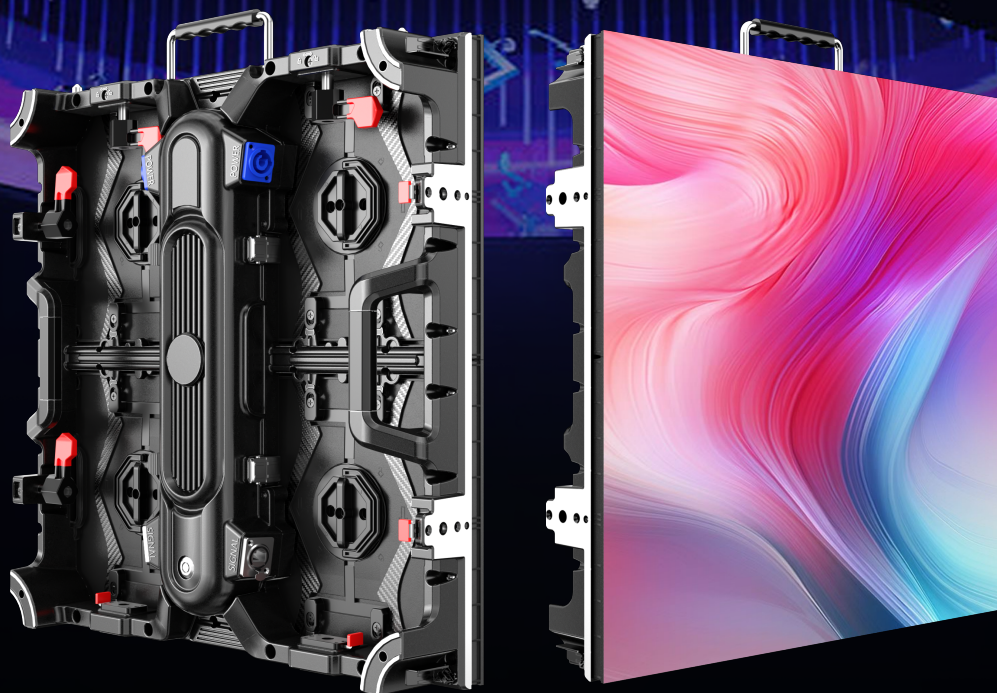




# BTIR50-2.5

**(Indoor)**

BTIR50 Rental Series – Indoor LED Straight-Edged  
Display Technical Parameters



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## ■ Features

### 01 /Front Maintenance, Lightweight & Ultra-Thin, Supports Arc-Angle Lock

- Ultra-Light Ultra-Thin Cabinets; Cabinet weight only 7.5kg, thickness only 85mm.
- Supports Arc-Angle Lock: Optional Arc-Angle Adjustment Tool allows for freely achieving curved cabinet splicing and dynamic angle adjustment.

### 02 /Professional protective mask

- Protect the module, improve the display effect, resist impact and wear, easy to maintain and clean,
- With functions such as waterproof and dustproof, anti-ultraviolet, anti-bump, anti-corrosion, anti-salt spray, and anti-static;

### 03 /High-definition display, excellent visual experience

- Standard Models: P1.56, P1.95, P2.5, P2.6, P2.97, P3.91, P4.81; supporting HDR display technology.
- High Definition, High Brightness, High Contrast, delivering realistic display effects and perfectly presenting true-to-life colors.

### 04 /Modular design, easy maintenance

- Standard modularization: module + cabinet + power supply and controller,
- Independent controller, highly centralized modularization, fast and convenient maintenance and replacement;

### 05 /Single-person quick installation

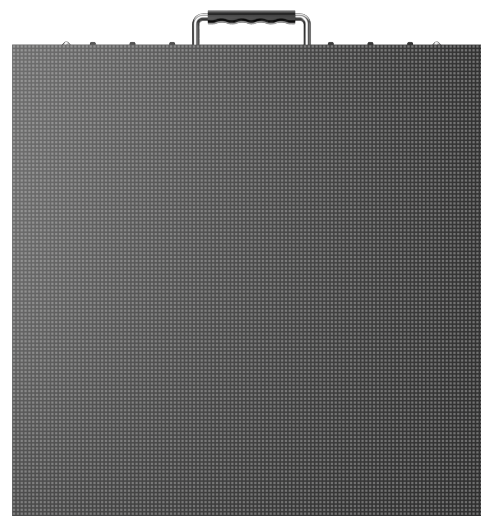
- Using positioning pins and quick lock structure, it is easy to lock by touching the upper and lower modules of the cabinet,
- supports single-person hanging quick installation, and the excellent design effectively reduces the gaps during assembly;

### 06 /Creative splicing, unlimited possibilities

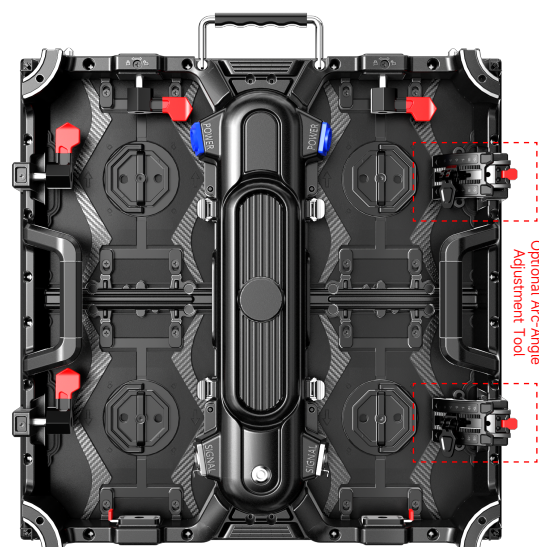
- AH Rental Series supports flexible mixed splicing of different screen types(Straight-Edged/Flexible Curved/45° Beveled Screens).
- It enables 90° sharp corners, 90° rounded corners, cuboid shapes, and curved/wave-like functions, capable of creating unique and creative LED screen configurations.

### 07 /Screen and cabinet protection design

- The screen and cabinet are designed with anti-collision and anti-scratch technology to prevent accidental collisions during transportation and installation, reducing the risk of damage.



Product front view

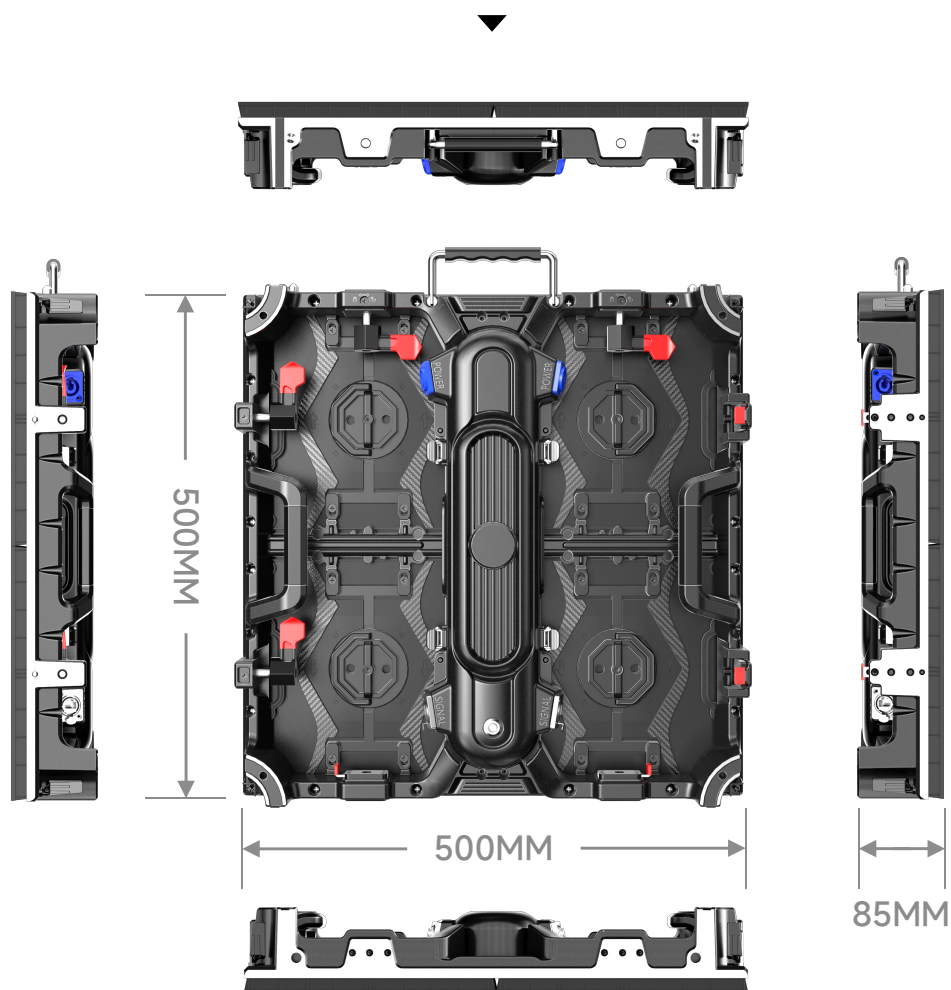


Product back view

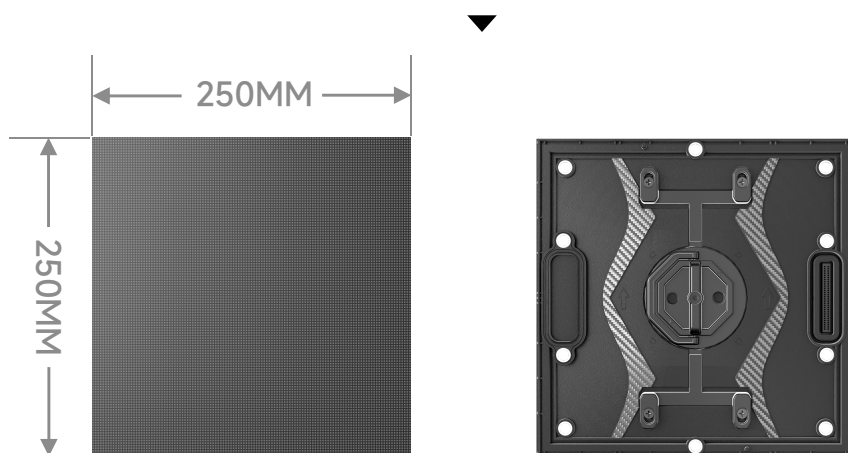




## 500\*500\*85MM Cabinet



## 250\*250MM Module

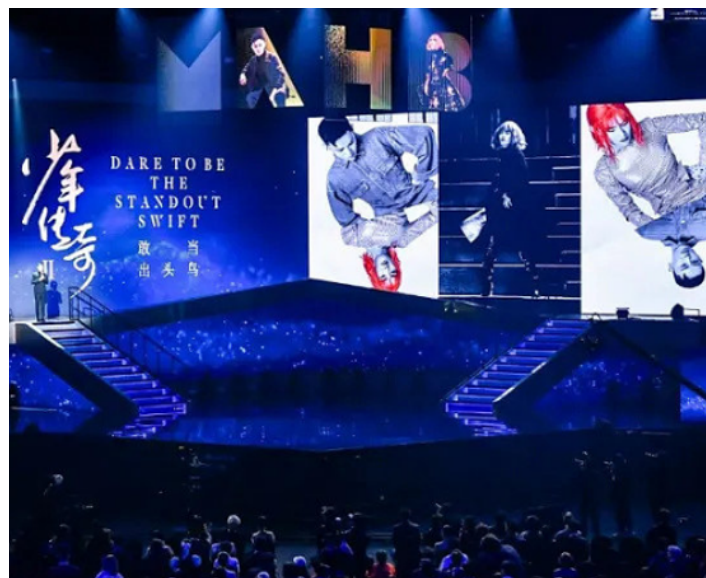
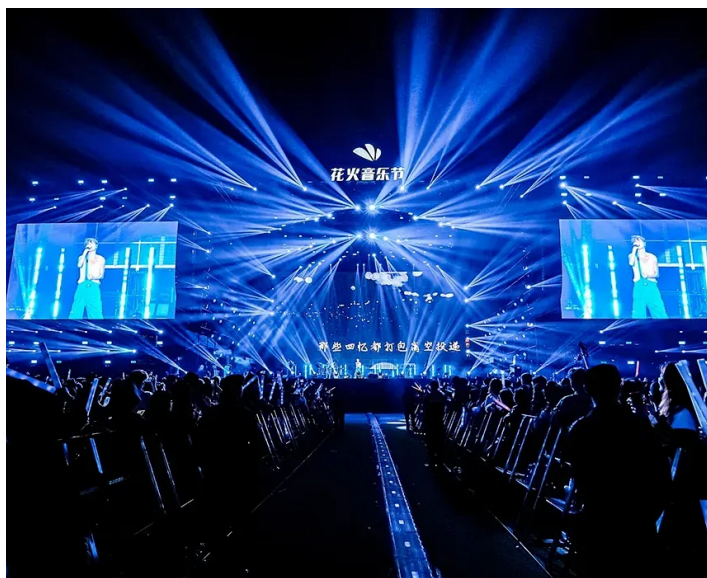


Module front view

Module bottom case

## Application

Multi-assembly • Widely application • Design for rental

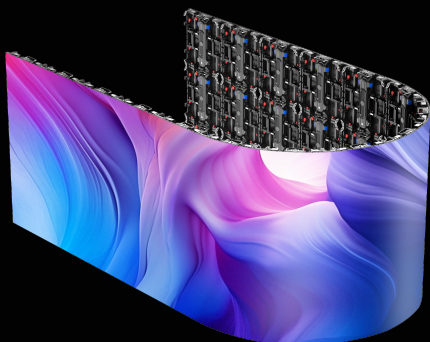


## Application range

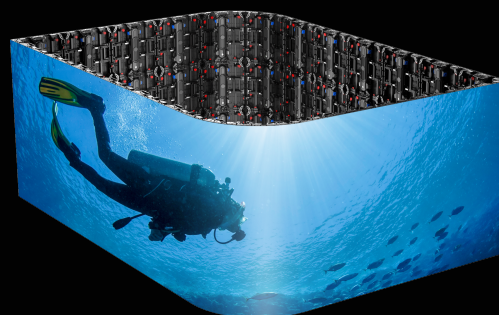
High-end conferences, summits/stage events  
TV stations, studios/exhibitions, trade shows



## ■ Creative Splicing

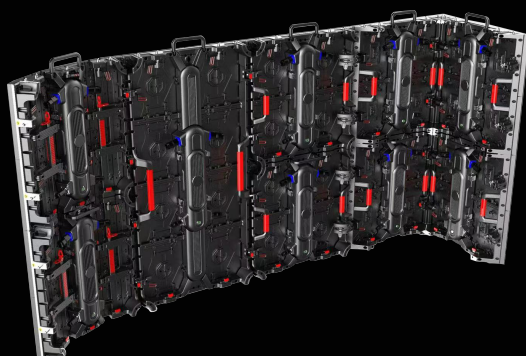


U shape or S shape splicing

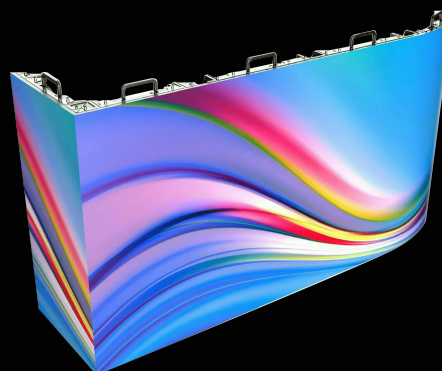


Creative splicing

AH Rental Series supports flexible mixed splicing of different screen types (Straight-Edged / Flexible Curved / 45° Beveled Screens), enabling 90° sharp corners, 90° rounded corners, cuboid shapes, and curved/wave-like functions.

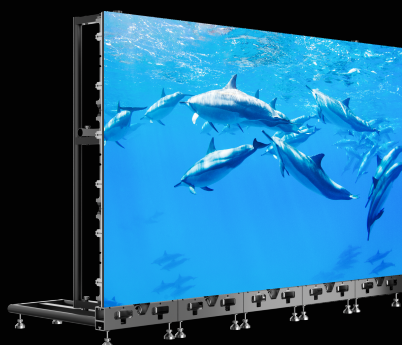


(Conventional straight screen/flexible curved screen/right angle screen) mixed

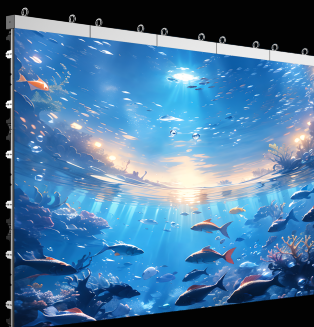


AH Rental Series supports flexible mixed splicing of different screen types (Straight-Edged / Flexible Curved / 45° Beveled Screens), capable of creating unique and creative LED screen shapes.

## ■ Multiple Installation Methods



Stacking Installation



Hanging Installation



Cylindrical/ Wave Installation

Supporting hanging and stacking (Stacking rack/shape rack/Raya rack), the screen erection and disassembly work can be completed quickly and efficiently in a short time.

## ■ Main technical specifications

Category	Indoor
<b>Model</b>	<b>AH-P2.5</b>
<b>1.1 Module composition</b>	
Pixel composition	SMD LED 1R, 1G, 1B
Pixel pitch (W*H)mm	2.5(W)×2.5(H)
Module resolution (W*H)	100*100
Module size (W*H*D)mm	250(W)×250(H)×15(D)
Module weight (KG)	0.62
<b>1.2 Unit composition</b>	
Cabinet composition (W*H)	2(W)×2(H)
Cabinet size (W*H*D)mm	500*500*85
Cabinet weight (kg)	500*500*85mm: 7.5kg
Cabinet area (m²)	0.5/0.25
Pixel density (dot/m²)	160000
Protection level	IP54
Cabinet flatness(mm)	≤1
White balance brightness (nits)	Indoor≥600
Color temperature (K)	6000—9300 adjustable
Luminous point center distance deviation	<3%
<b>1.3 Cabinet and outer packaging</b>	
Total weight (KG/Cabinet+carton)	500*500mm: 8 in 1 flight case, 100KG
Outer packing size (L*W*H )	500*500mm: 960*580*740mm
<b>1.4 Electrical parameters</b>	
Peak power consumption (W/m²)	700
Average power consumption (W/m²)	235
Power requirements	AC100-240V
<b>1.5 Processing performance</b>	
Drive mode	Constant current drive
Frame rate (Hz)	50&60
Refresh rate(Hz)@60Hz	≥3840/≥7680
<b>1.6 Screen parameters</b>	
Lifespan(hrs)	≥100,000 hours
Working temperature(°C)	- 30°C~60°C
Storage temperature (°C)	- 30°C~60°C
Working humidity (RH) no condensation	10 - 80%
Storage humidity (RH) no condensation	10 - 80%
Screen thickness (mm)	Module+cabinet: 85mm
Unit module splicing gap(mm)	Uniformity and ≤1
Best view distance (m)	> 3m
View angle ( ° )	H: 140° +/-5° V: 140° +/-5°
Surface flatness(mm)	Max tolerance≤1
Uniformity	The brightness uniformity of the screen reaches 95%
	≤4/100000

Note:

1. Product images are for reference only. There may be minor adjustments in production batches (including but not limited to appearance, color, and size). Please refer to the actual product.
2. Specification parameters are reference values. In actual use, due to product batches, software versions, usage conditions, and environmental factors, there may be slight differences. The actual use shall prevail.
3. Customized services are provided. Different configurations can achieve different refresh rates, brightness, and contrast.



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