

# EBONY SERIES

## Ultra HD Display Solution

**Shopping-mall**  
**Boutique & Brand store**  
**Exhibitions & Museum**  
**Broadcasting & TV Studio**  
**Auditoriums & House of worship**  
**Airport & Traffic station**



Ebony	P0.9	P1.2	P1.5	P1.8
COB type	Flip Chip COB			
Pixel Pitch ( mm )	0.9	1.25	1.5	1.875
Pixel Density (dots/m <sup>2</sup> )	1137778	640000	409600	284444
Module Size ( mm )	150 × 168.75			150 × 168.75
Module Resolution (dot)	160 × 180	120 × 135	96 × 108	80 × 90
Panel Size ( mm )	600 × 337.5 × 29			
Panel Resolution	640 × 360	480 × 270	384 × 216	320 × 180
Material	Die-casting Aluminum			
Weight (kg/pcs)	4.5			
Brightness (cd/m <sup>2</sup> )	1000 / 2000		1000 / 1500	
Viewing Angle (H)	160°			
Viewing Angle (V)	160°			
Max Power (W/pcs)	330 / 650	300 / 650	300 / 550	300 / 550
Avg Power (W/pcs)	110 / 217	100 / 217	100 / 183	100 / 183
Refresh Rate (Hz)	3840			
IP rate	IP 50/20			
Contrast Ratio	20000:1			
Customizat on available	300 × 337.5 / 600 × 168.75 / 300 × 168.75			300 × 337.5 / 600 × 168.75
Operating T&H	-10 ~ 40℃ & 10 %~80 % RH			
Stroage T&H	-20 ~ 60℃ & 10 %~85 % RH			
Installation Method	Front & Rear			
Maintenance method	Front			

# EBONY S

## Ultra HD Curved Display Solution

*HD curved display screen setups  
Immersive display solutions  
Curved splicing*

### Ebony S

### P1.2

### P1.5

COB type

Flip Chip COB

Pixel Pitch (mm)

1.25

1.5

Pixel Density (dots/m<sup>2</sup>)

640000

409600

Module Size (mm)

300 × 168.75

Module Resolution (dot)

240 × 135

192 × 108

Panel Size (mm)

Customized

Panel Resolution

TBD

Material

Steel

Weight (kg/pcs)

TBD

Brightness (cd/m<sup>2</sup>)

1000 / 2000

1000 / 1500

Viewing Angle (H)

160°

Viewing Angle (V)

160°

Max Power (W/pcs)

300 / 650

300 / 550

Avg Power (W/pcs)

100 / 217

100 / 183

Refresh Rate (Hz)

3840

IP rate

Indoor use only

Contrast Ratio

20000:1

Operating T&H

-10 ~ 40°C & 10 %~80 % RH

Storage T&H

-20 ~ 60°C & 10 %~85 % RH

Installation Method

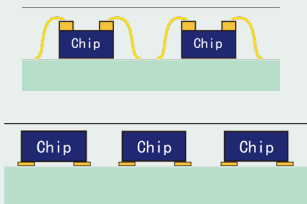
Front & Rear

Maintenance method

Front

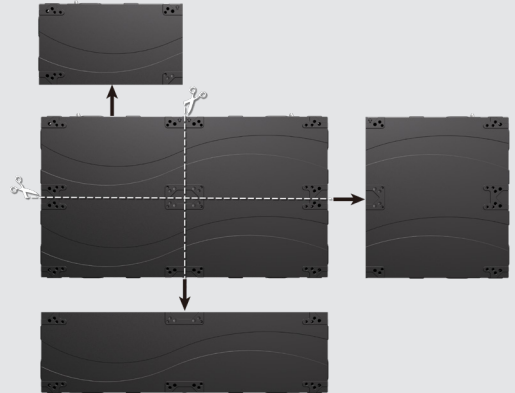
## Flip Chip COB

Ebony series are supported by flip - chip COB, ensuring lower power dissipation and more stable qualities.



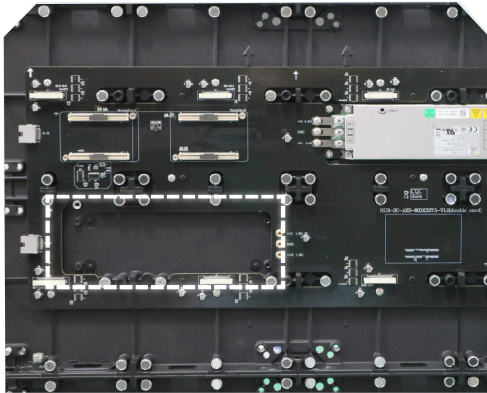
## Multi Cutting for multi Splicing

Various dimensions have been meticulously tailored to accommodate more aspect ratios for multifarious scenarios.



## Power & Data Redundancy

Space is reserved for redundancy system in case of any high standard situations.

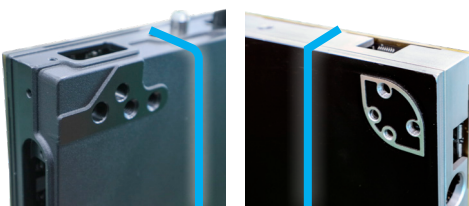


## Extraordinary Versatility

1. Magnetic module allows fully front maintenance .
2. Front installation is available due to the reserved screw hole.



3. Ultra thin and light-weight cabinet match up with more application scenarios.
4. Aiming to protect the operator from cut and improve the appearance, the Ebony panel is processed with edge-rounding and electrophoresis.



## Soft COB for Options

We have multitudinous solution of COB family. Soft COB module helps us to achieve more shapes of the display like concave, convex, multi-shape connection, etc. And the key point is we could use them all with the same COB stuff to avoid the discrepancy of visual sense.



## High Brightness for Options

- 1.The larger chip was utilized in Ebony.
- 2.There is a layer of film on the surface of COB, which is removed with new process. But it still can be assured the fidelity to original color.

