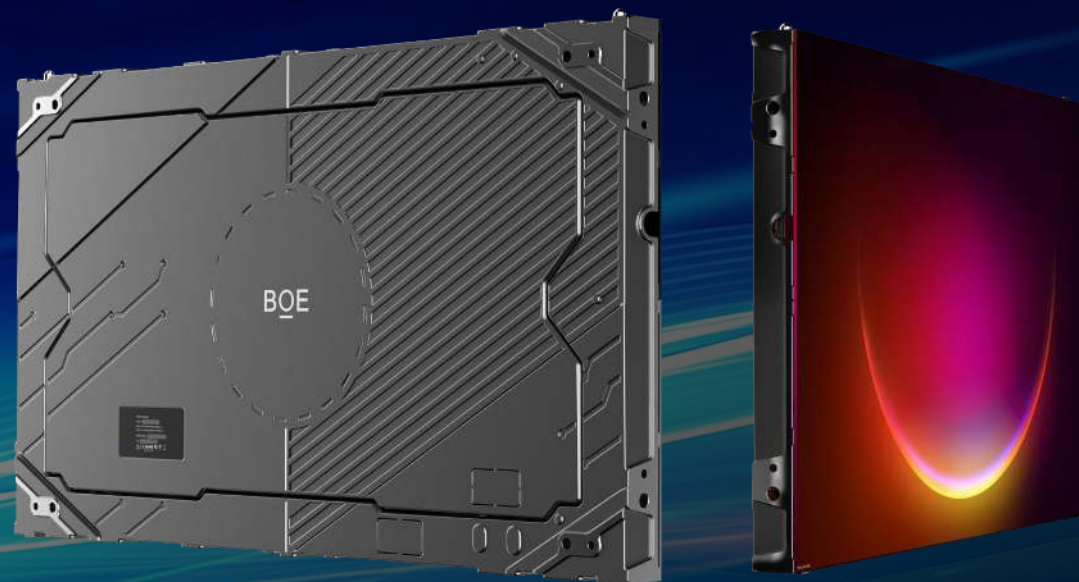


BOE MLED COB

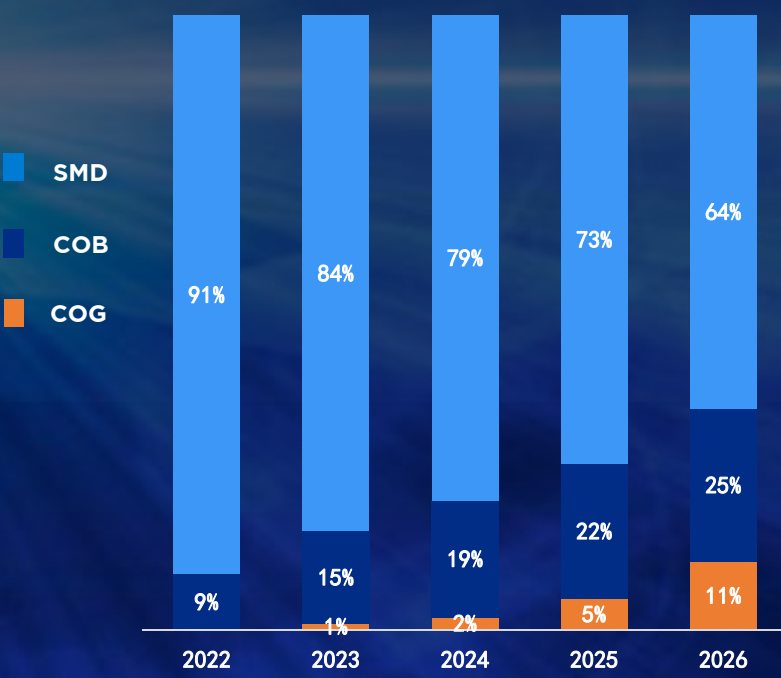
BYH V1 Series Introduction



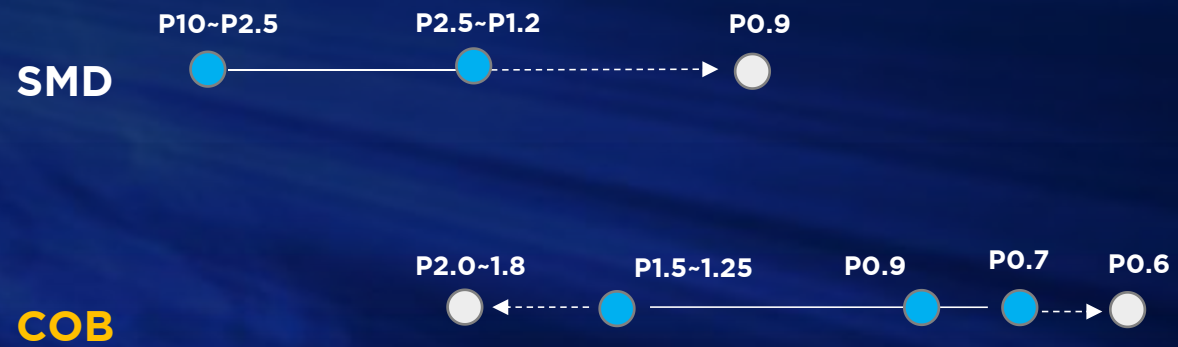
COB Marketing Analyse

In the field of commercial display, Mini LED direct display will grow rapidly both domestically and overseas in the next 3 years
 COB market share will gradually increase, and it is predicted to reach 25% in 2026.

MLED display in the field of commercial display proportion



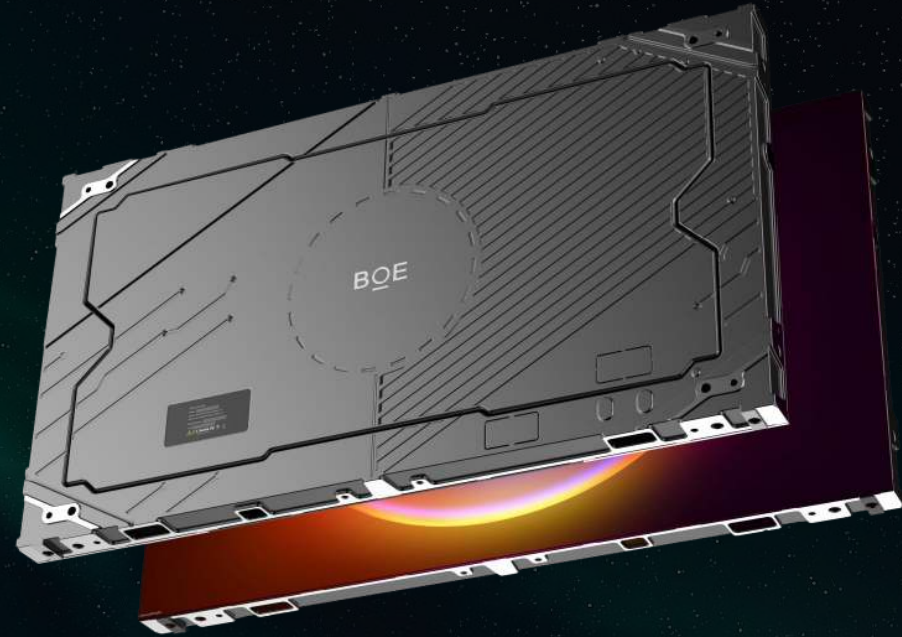
* BOE Analyse



BYH V1 Series Product Introduction

BOE

Pixel Pitch (mm):	P0.9375&1.25&1.5625
Module size (mm):	150*168.75
Cabinet size (mm):	600*337.5*32.5
Brightness (nit):	Typ. 600, 0-800 adjustable
ACR (@10Lux):	10000:1
Refresh rate (Hz):	3840



Perfect Image

Easy maintenance

Energy Saving

Highly Integrated

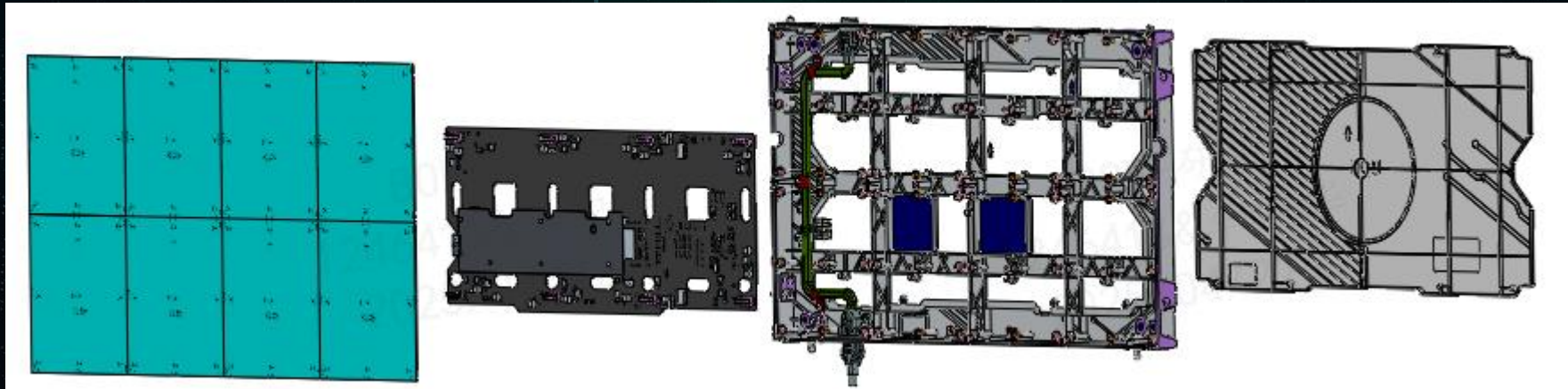
Product Composed

Module

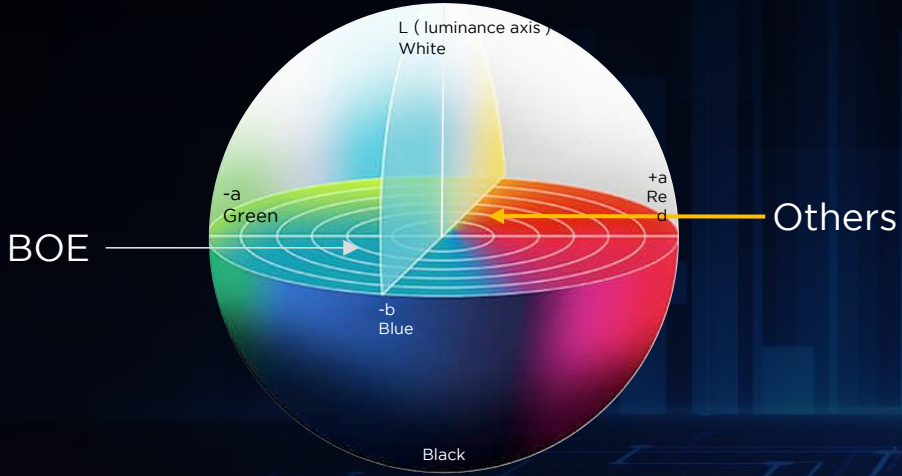
Cabinet

Back Cover

3 in 1
HUB



Perfect Image



Product ink color test data

Dark state excellent uniformity



Others COB Display



BOE MLED COB Display



Ink color uniformity

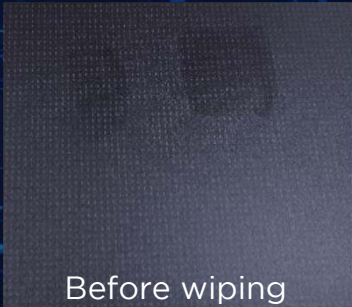
$\Delta L < 0.23$ (small ink color differences)

Easy maintenance

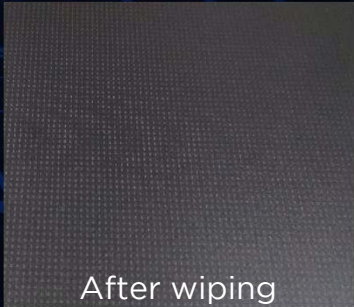
Dirt-resistant and easy to wipe

Visually superior

Black Blue (Difficult to see the difference)



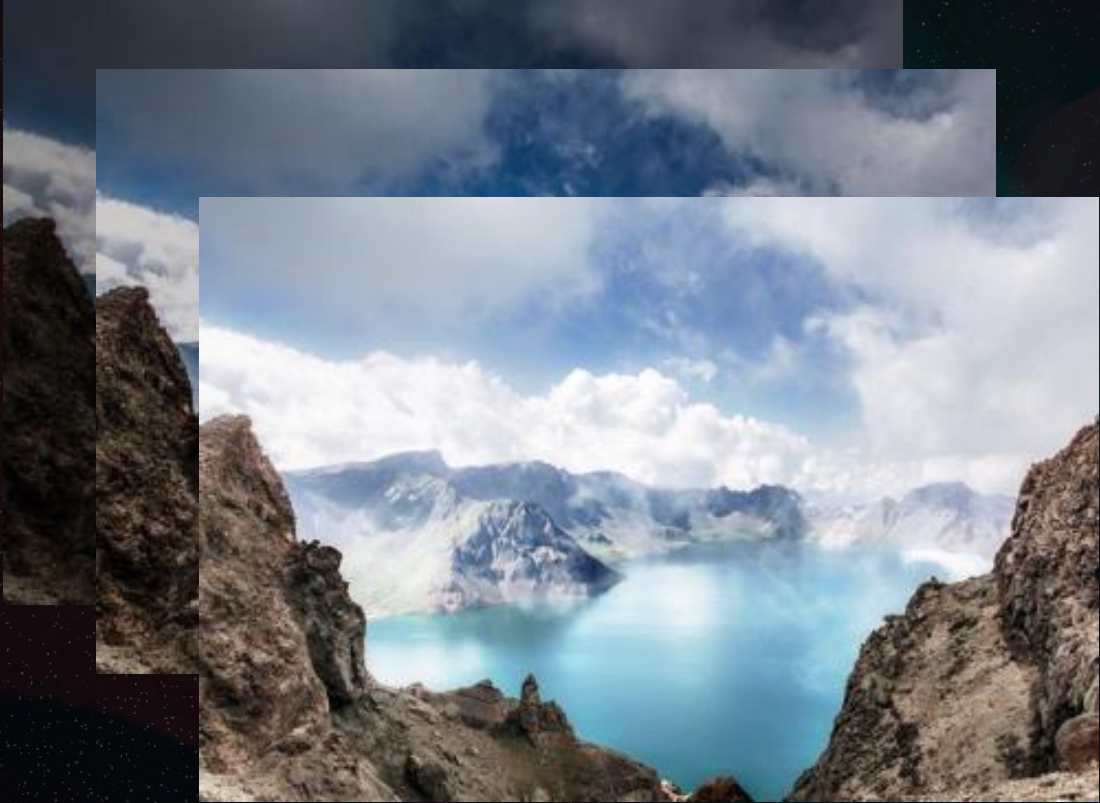
Before wiping



After wiping

Perfect Image

Obvious contrast between bright and dark
Restoring the real scene

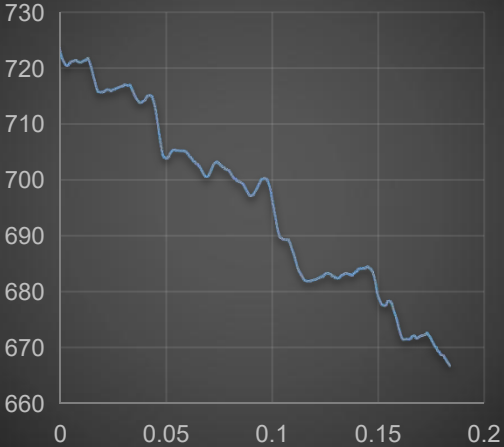


High ACR (Ambient Contrast Ratio) **10000:1(10lux)**
High color gamut **93% DCI-P3**

Perfect Image

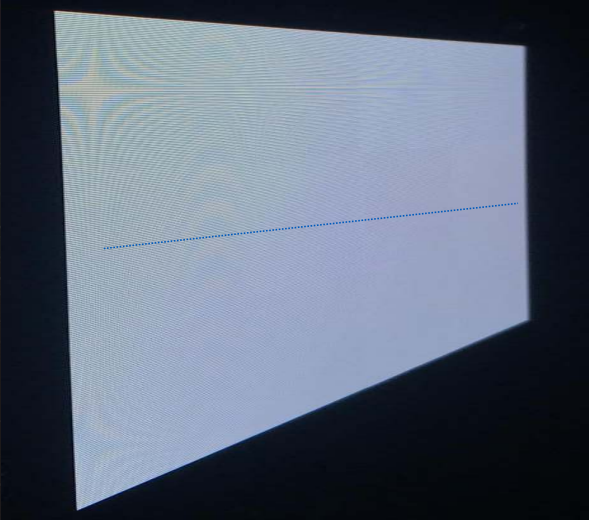
Good uniformity of large viewing angle
Module-to-module brightness variation <1%
No Module Display Issues

Brightness Variation

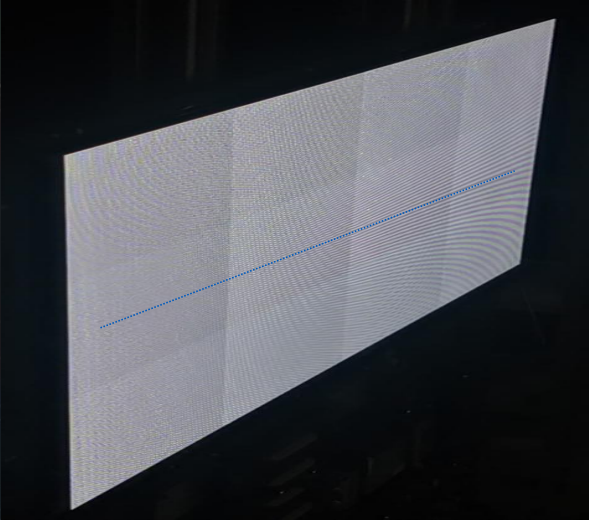


No continuous regular change in brightness < 1%

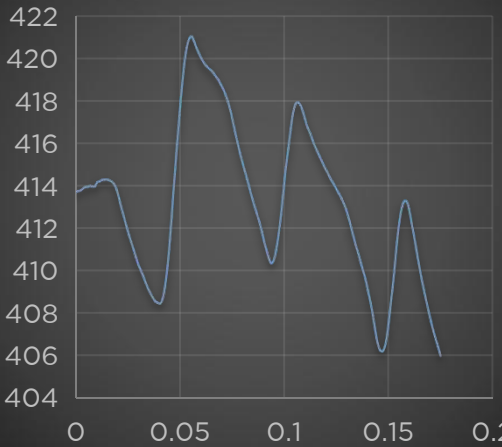
BOE COB



Other COB



Brightness Variation



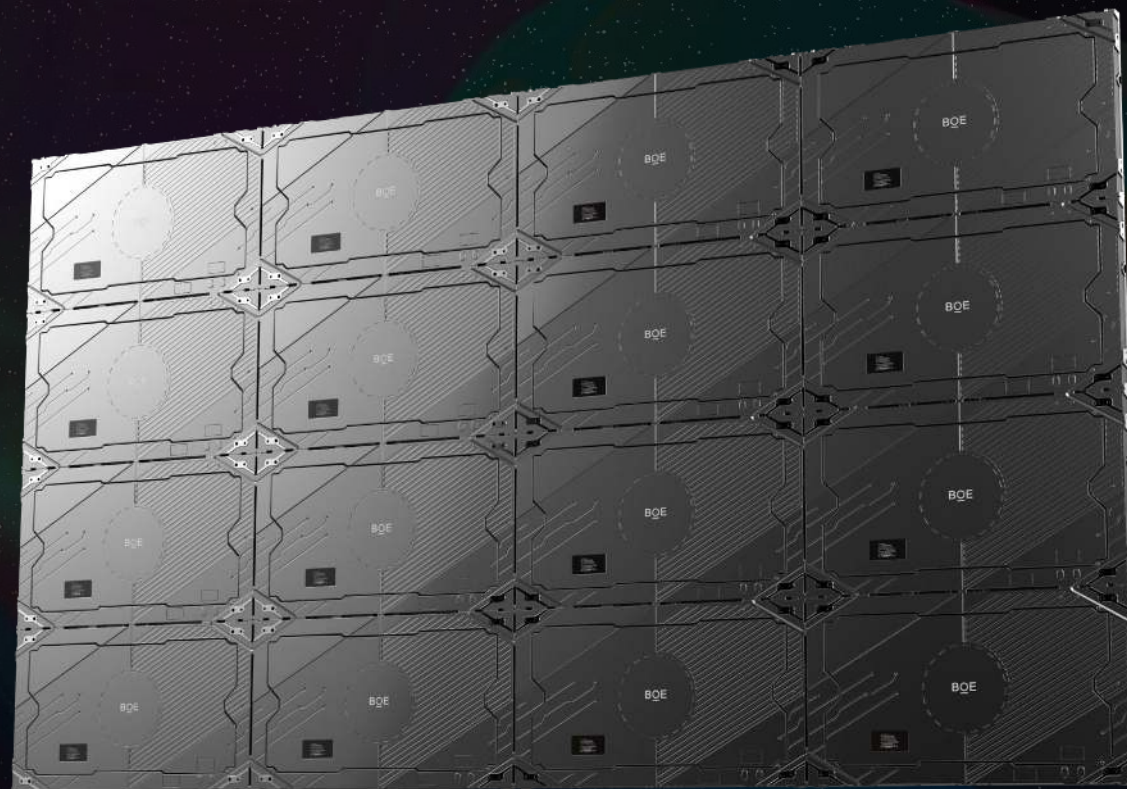
Continuous Regular Brightness Changes > 2%

Perfect Image

BOE

High Flatness

- ✓ Large-screen splicing seam & segment difference ≤ 50 μm
- ✓ High consistency of dark state visual effect
- ✓ No splicing bump feeling



Perfect Image

None Reflective

- ✓ Non-reflective and anti-glare
- ✓ Encapsulation film microstructure design, the surface presents a matte state.

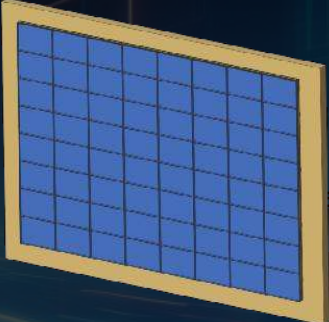
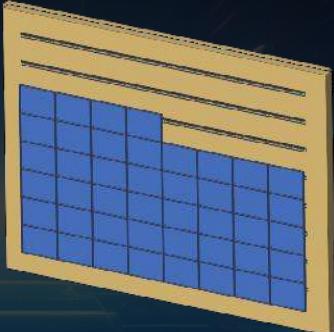
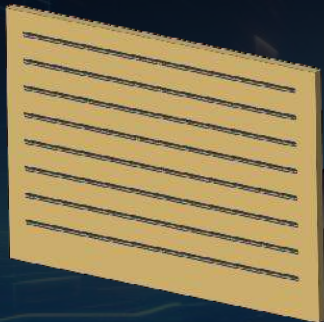


Flexible Installation

More convenient, fast, and secure installation



Conventional steel structure



Standard installation structure

Thickness (MDL to Wall)

< 60mm

Quick installation

↑ 40% efficiency

Lower cost

↓ 150+\$/sqm



Flexible Installation

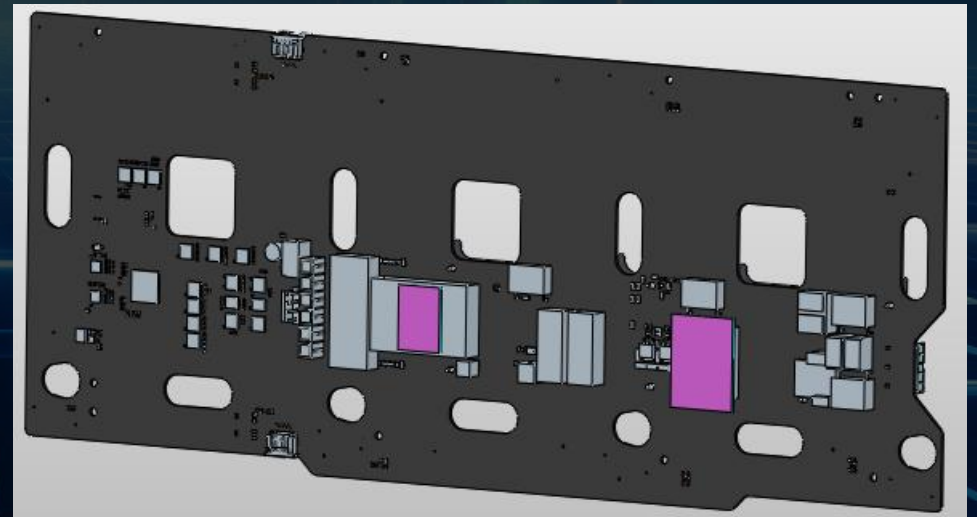
Ultra Slim Design

Single case **3.4Kg**, thicknesses **32.5mm**, easy to carry and install



Highly integrated

Integrated board design,
more stable, convenient and efficient



Energy Saving

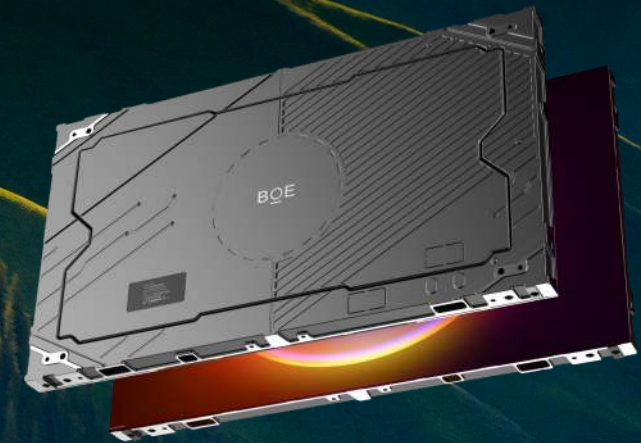
Ultra-cold screen display, Energy-efficient and Emission-reducing

Full Flip-Chip

PM Common Cathode design (*Optional)

Peak power consumption less than 300 per square meter

Temperature in front of the screen $\leq 40^{\circ}\text{C}$



Certification

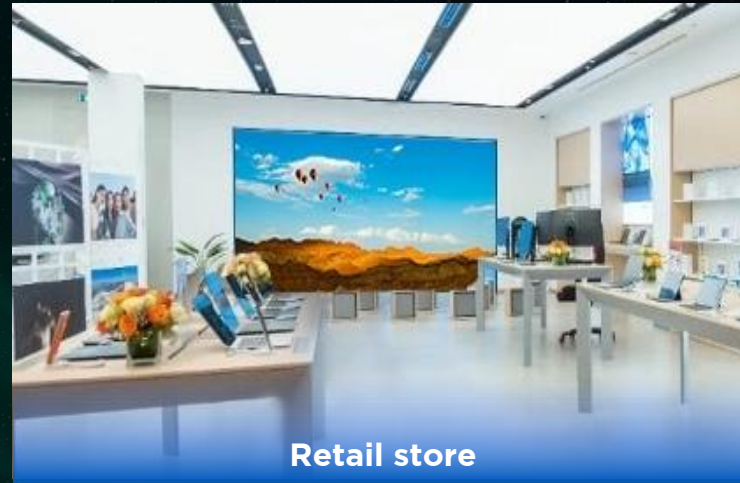
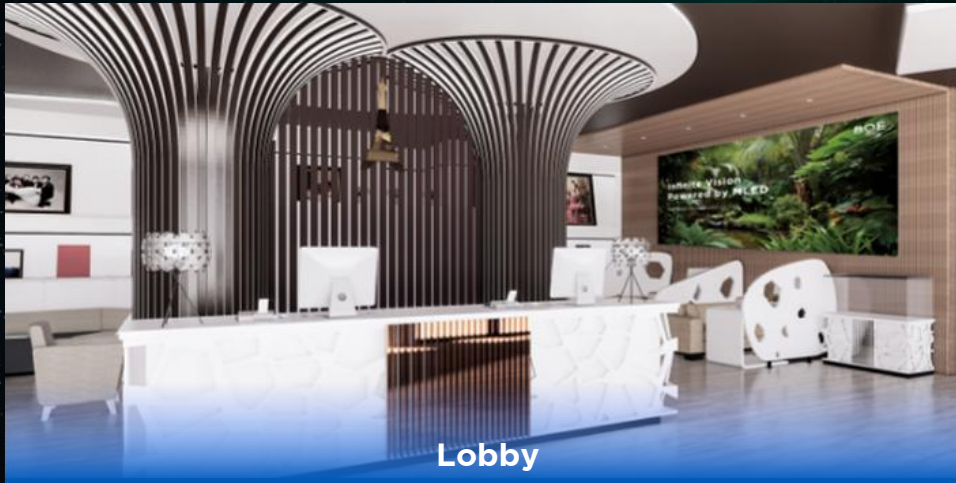


Main parameters

Technical Parameters					Remark
MDL	Pitch(mm)	0.9375	1.25	1.5625	
	MDL resolution(dot)	160*180	120*135	96*108	
	MDL size(mm*mm)	150*168.75			
	Ingress Protection	IP65 for MDL surface side			
Cabinet	Cabinet resolution(dot)	640*360	480*270	384*216	
	Cabinet dimension(mm*mm*mm)	600*337.5*32.5			
	Complete set weight(kg)	3.4kg			
	Maintenance mode	Front			
	Cabinet flatness(mm)	≤0.1			
Electrical	Ave. power consumption(W/sqm)	117	95	100	@600nit
	Max. power consumption(W/sqm)	350	285	300	@600nit
	Input voltage(V)	AC 100-240			
Optical	White balance brightness(cd/m2)	Typ 600, 0~800 Adjustable			
	Ambient contrast ratio	≥10000:1			@10Lux
	Horizontal/Vertical viewing angle(°)	160 ± 10/160 ± 10			
Systematic	Refresh rate(Hz)	≥3840			
Installation	Installation mode	Stacking&Wall mounting			

Application Scenario

BOE



BOE MLED COB project cases

BOE



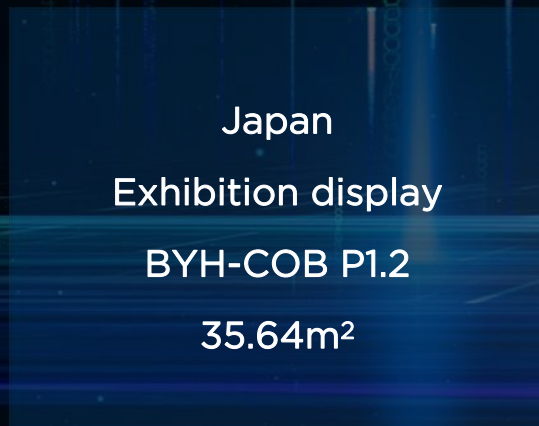
Egypt
BYH-COB P1.2
600m²



HongKong
Conference room
BYH-COB P1.2
60m²



Thailand
BYH-COB P1.2
136m²



Japan
Exhibition display
BYH-COB P1.2
35.64m²



Australia
Supermarket
BYH-COB P1.2
8.91m²



Global COB display Cases



Exhibition display in Japan

BYH-COB P1.2

35.64m²

Global COB display Cases

Supermarket in
Australia
BYH-COB P1.2
8.91m²



BOE MLED COB project cases



Ratio & Television
Data Center display

BYH-COB

P1.2

45m²



Government bureau
Data Center display

BYH-COB

P1.2

82m²



Data Center display

BYH-COB

P1.2

82m²



Automotive Testing
Data Center display

BYH-COB

P1.2

72.6m²

BOE MLED COB project cases

BOE



Conference display in University

BYH-COB

P1.2



Laboratory display of University

BYH-COB

P0.9



Laboratory display of College

BYH-COB

P0.9

BOE MLED COB project cases

BOE



Conference display

BYH-COB

P1.5



Conference display

BYH-COB

P1.2



Conference display

BYH-COB

P1.2



Conference display

BYH-COB

P1.2

Thanks