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BRY-E Pre-Spec

Rev. 0

BOE MLED Technology Co., Ltd.

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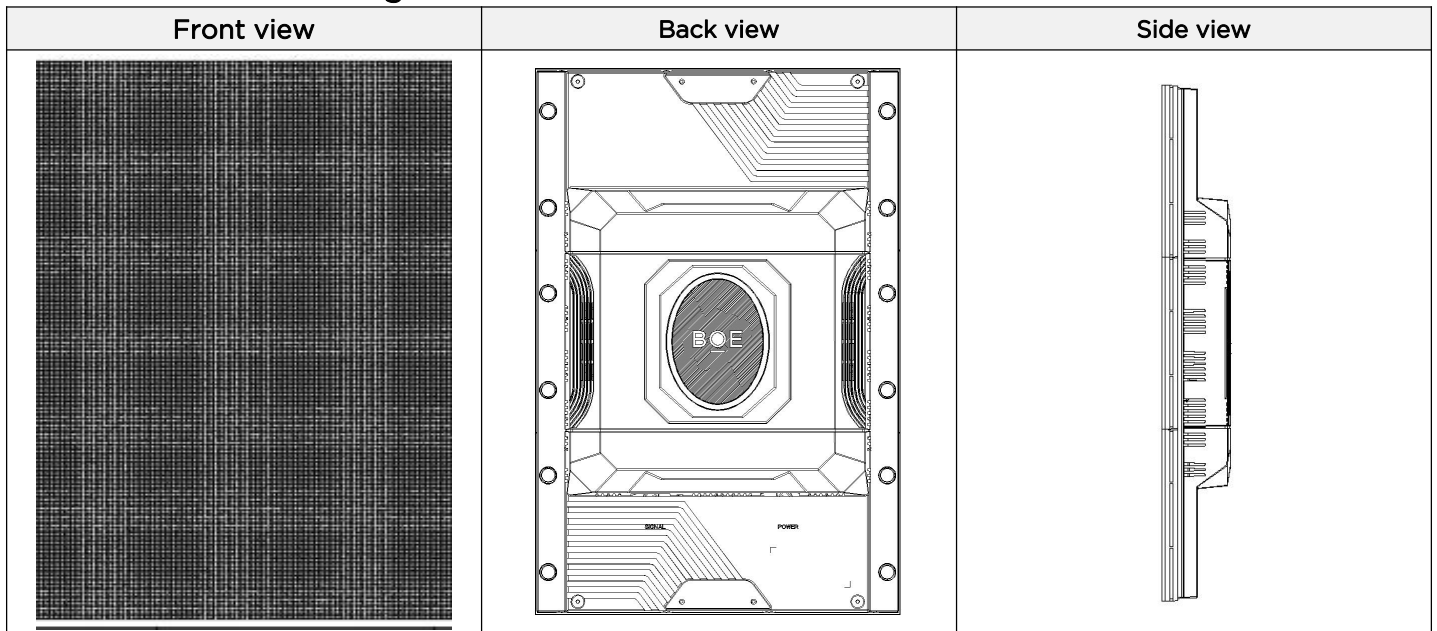
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1. Product introduction

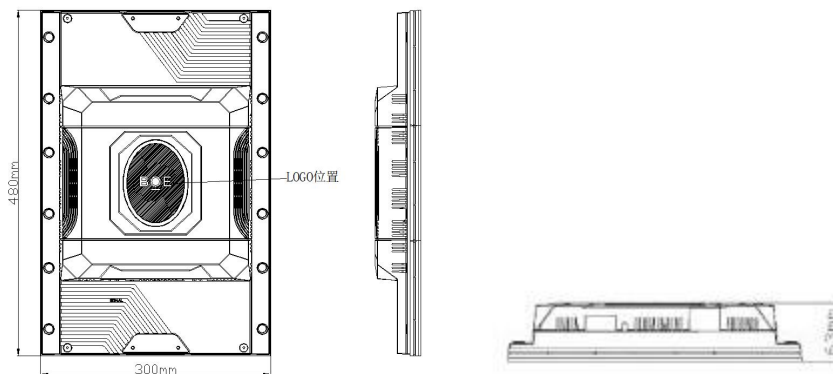
1.1 Product features

- This specification applies to P1.86, P2.0, P2.5 standard panel.
- Applicable module magnet project, suitable for high-end commercial display scenarios.
- Quick installation, easy disassembly, ultimate simplicity, energy-saving design.
- Simplified and highly integrated.

1.2 Product images



1.3 LOGO location map



1.4 Nameplate drawing

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2. Product specifications

Category	Parameter	Specification		
Module	Pitch(mm)	1.86	2.0	2.5
	LED model	SMD1515	SMD1515	SMD2020
	LED type	Copper wire		
	Module resolution	172*86	160*80	128*64
	Module size ± tolerance (mm × mm)	319.9(+0.1/-0.05)(H)* 159.9(+0.1/-0.05)(V)		
	Pixel density (dots/m ²)	288906	250000	160000
Overall box parameters	Whole Chassis Module Components (Pcs)	1*3=3		
	Resolution of complete machine box	172*258	160*240	128*192
	Box size of the whole machine ± tolerance (mm × mm × mm)	319.9(+0.1/-0.05)(H)*479.85 (+0.1/-0.2) (V)* 63(30.5)(D)		
	Box weight of complete machine ± tolerance (Kg)	≤2.5		
	Maintenance mode	Front maintenance		
	Flatness of complete machine box (mm)	≤0.5		
	Segment difference of single box module (mm)	≤0.15		
	Module segment difference between boxes (mm)	≤0.2		
	Joint (mm)	≤0.18		
Optical parameters	Single-point brightness correction	Support		
	Single-point chromaticity correction	Support		
	White balance brightness (CD/m ²)	≥450nits		
	Color temperature	3000-15000K		
	Horizontal viewing angle	≥150°		
	Vertical viewing angle	≥130°		

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Category	Parameter	Specification		
	Visual distance (m) (= PITCH * 1)	≥1.8	≥2.0	≥2.5
Electrical parameters	Maximum power consumption of cabinet (W)	≤50		
	Average active power consumption (W/m ²)	≤108		
	Maximum active power consumption (W/m ²)	≤325		
	Power supply requirement (V)	100-240VAC		
Processing performance	Scanning mode	1/43	1/40	1/32
	Frame change frequency (Hz)	50/60		
	Refresh Frequency (Hz)	≥3840		
	Drive mode	Constant current drive		
	Grayscale (Bit)	≥13		
System control	Control mode	Network port		
	Control distance	Category 5e twisted-pair cable, over 100 meters using optical fiber transmission		
	Signal input	HDMI、DVI		
	Brightness adjustment	Manual/automatic/programmed control		
Operating parameters	Continuous working time	≥7X24hrs, supporting continuous and uninterrupted display		
	Mean time between failures (MTBF)	≥ 5000 hours		
	Discrete out-of-control point	≤0.0001, Factory 0		
	Continuous out-of-control point	0		
	Blind spot rate	≤0.0001, Factory 0		
	Temperature rise of the screen (using the operating state)	≤60℃		
Use parameters	Typical life value (hrs)	30000		
	Operating temperature range (℃)	-10°-40°		
	Storage temperature range (℃)	-20°-50°		
	Operating Humidity Range (RH)	10-60RH% non-frosting		
	Storage Humidity Range (RH)	10-65RH% non-frosting		
Degree of protection	Degree of protection	IP30		
Certification	CCC	Meet CCC certification requirements		
	Energy saving	Meet the requirements of energy-saving certification		

3. Mounting hole position

3.1 Module mounting hole location map (unit: mm)

