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Product Specification

BKY025A1

Rev. 1

BOE MLED Technology Co., Ltd.

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1. Product Features

1.1 Scope of Application

This product specification applies to P2.5 standard panels.

1.2 Product Description

- The product has a unique competitive advantage, the module is hard-wired, and can be quickly installed regardless of the left or right.
- Extremely convenient full front and rear maintenance way, support free steel structure wall mounted before installation, right angle installation, whole box magnetic suction installation and other installation methods.
- The back of the box comes with a hidden connector hole design, simple and beautiful, solving the problem of needing to open a hole when the back of the oversized screen is fed with network and power cables, so that the product can maximize the customer's experience in different application scenarios.

2. Product Image



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3. Main Technical Parameters

	Item	Technical Parameters
Module Parameters	Pixel Pitch(mm)	2.5
	LED Model	SMD2020
	LED Type	Copper Wire
	Module Resolution	120*135
	Scan Number	1 / 45
	Module Size (mm × mm × mm)	300(H) *337.5 (V) *2.96 (D)
	Module Weight (kg)	0.7
	Module Flatness	<0.1 mm
	Pixel Density (dots/m ²)	160000
	Module Voltage (V)	DC4.2V
Panel Parameters	Composition of the Display Modules	2*1
	Panel Resolution	240*135
	Panel Dimension (mm × mm × mm)	600(H) * 337.5 (V) * 39.6 (D)
	Panel Weight (kg)	3.5
	Maintenance Method	Front/Rear Maintenance
	Panel Material	Die-casting Aluminum
	Panel Flatness (mm)	≤0.1
	Grayscale(Bit)	14Bit
	Maximum Power Consumption(W)	370

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	Average Power Consumption(W/m ²)	125
	Panel Voltage (V)	AC100~240V , 50/60Hz
Optical Parameters	White Balance Brightness(cd/m2)	400-450 (±10%)
	Color Temperature	3200K~12000K (Adjustable)
	Horizontal Viewing Angle	≥160°
	Vertical Viewing Angle	≥140°
	Brightness Uniformity	≥95%
	View Distance(m)	≥5
Operating Parameters	Continuous Operation Time	≥ 7*24hrs (Support uninterrupted display)
	Average Trouble-free Working Time	≥ 10000hrs
	Discrete Runaway Point	Preset at0, 1000hrs < 3PPM
	Continuous Runaway Point	Preset at0
	Blind Spot Rate	Preset at0, 1000hrs < 3PPM
	Screen temperature increase (operating status)	≤ 50℃
Utilization Parameters	Typical Life Value(hrs)	100000
	Operating Temperature(℃)	-10~+40
	Storage Temperature(℃)	-20~+60
	Operating Humidity(RH)	10%~90%PH
	Storage Humidity(RH)	10%~60%PH

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Protection Grade	Protection Grade	IP30
Certifications	CCC	

Note: Power will fluctuate within $\pm 15\%$, based on actual measurement.

4. Plane Structure of the Product

