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# **BKY018B**

# **Pre-Spec**

**Rev. 1**

**BOE MLED Technology Co., Ltd.**

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## 1. Product Introduction

### 1.1 Product Features

- Unit size 27", standard 16:9 display, can achieve 2K, 4K, 8K and above point-to-point splicing
- Adopt independent intelligent integrated control motherboard, no transmission design
- 2-channel HDMI input, support 2K@60HZ signal within the custom resolution, automatic positioning, no need to set up the alignment map
- 2-way HDMI output, support 2K@60HZ signal cascade
- Fine grayscale function, calibrate the grayscale step by step, optimize the grayscale jumping, colour deviation, pockmarks and other problems.
- 18/22bit, enhance the grey scale display effect, show more details
- Chroma space, support to adjust the display of standard colour gamut or custom colour gamut according to demand.
- Support brightness and chroma correction to ensure display consistency.
- Support FLASH management of light board
- Support fast seam repair
- Support RGB independent gamma adjustment
- Supports its own temperature and voltage monitoring function
- Support communication status real-time detection function
- Support Mapping function
- Support 3D effect display
- Support one key to read back all the configuration file information
- Unique colour change technology, make the human face skin tone more realistic
- Unique arbitrary frequency technology, mobile phone shooting without scan lines

## 2. Product Picture



## 3. Product Specification

Category	Parameters	Specification
Physical Parameters	Pixel pitch(mm)	1.875
	Pixel composition(RGB)	1
	Panel resolution(dots)	320*180
	Panel dimension(W × H × D)/(mm)	600*337.5*58
	Pixel density(dots/m <sup>2</sup> )	284444

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Category	Parameters	Specification
	Panel diagonal	27"
	Panel ratio	16:9
	Panel weight(Kg)	8
	Panel material	Die-casting Aluminum
Optical Parameters	Brightness(cd/m <sup>2</sup> )	0-650(Adjustable)
	Contrast ratio(Max.)	8000:1
	Color temperature(K)	2000-14000K
	Viewing angle horizontal/vertical	160° /160°
	Frame frequency(Hz)	50/60
	Refresh frequency(Hz)	3840
	Grayscale(bit)	16
	Driving mode	Constant drive
	AC operating voltage(V)	90-264
	Power maximum/average(W/m <sup>2</sup> )	450/140
	Input power frequency	50/60Hz
Application Parameters	Input signal	2-channel HDMI1.3(support conversion)
	Control system	Gridded four-way interconnection system with backup, standard HDMI interface, no need to set up, plug and play
	Storage temperature(°C)/Humidity(RH)	-10°C—+55°C/10—93%RH
	Storage temperature (°C)/Humidity(RH)	0°C—+45°C/10—93%
	Protection grade	IP50
	LED service time(H)	≥100,000
	Maintenance method	Front Maintenance

Note: The power is for reference only, the actual shall prevail.

#### 4. Plane Structure of the Product

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