BOE

BKY012B
Pre-Spec

Rev. 1

BOE MLED Technology Co., Ltd.

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)	1.25
	Pixel composition(RGB)	1
	Panel resolution(dots)	480*270
	Panel dimension(W×H×D)/(mm)	600*337.5*58
	Pixel density(dots/m^2)	640000

Category	Parameters	Specification
	Panel diagonal	27″
	Panel ratio	16:9
	Panel weight(Kg)	8
	Panel material	Die-casting Aluminum
Optical Parameters	Brightness(cd/m^2)	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^2)	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(℃)/Humidity(RH)	-10℃—+55℃/10—93%RH
	Storage temperature (℃)/Humidity(RH)	0℃—+45℃/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