Mooncell

B600S Sphere LED Controller

Specification V3.3

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1 Product Overview

Product Introduction

B600S is a recently developed independent master controller that is specially designed for special-shaped led displays with 6 Gigabit Ethernet Ports for Output;its loading capacity could reach up to 2.6 million pixels and with an excellent processing performance which could highly enhance the loading utility,it could perfectly supports any 2K resolutions;Overall, its a product with a strong processing ability, super stability as well as is high price competitive.

Product Features

➢ **Varieties of input interface: 1X DVI Input; 1X HDMI2.0 Input;1X Audio Input**

➢ **Varieties of Output Interface: 6 X Gigabyte Ethernet Port Output, supports arbitrary splicing.**

➢ **1x USB Port Communication,multiple sending cards could be connected to one computer.**

➢ **It supports Ethernet Port Loop Dual Backup, Dual Master Controller Backup.**

➢ **It supports to have multiple preset resolutions:1024×768 、1280×1024、1366×768、1600**

- ×1200 、1920×1080 、2048×1152 、2560×960 and the user defined resolution is supported.

- It is compatible with 30HZ,50HZ,60HZ,120HZ and other Frame Rate Input.

- Supports ST_EXT expansion board to realize cascade brightness control and automatic brightness adjustment.

- It supports the upper computer software to detect the operating parameters and status of sending card.

- It supports to read the configurations back from where it was stored

- It supports to detect the error rates of the gigabyte network.

Application Scenarios

Mooncell B600S could be widely used for sphere led display, Circle Led Display and a variety of displays that are special-shaped designed.

2 Product Parameters

Basic Parameters

Loading Capacity	1 Network Port	650 Thousand Pixels
	Entire Unit	2.6 Million Pixels
Loading Range	Width	128—4096 Pixels
	Height	64—2048 Pixels
Shift Range	Width	0—4095 Pixels
	Height	0—4095 Pixels

Hardware Introduction

Front Panel

Front Panel Illustration		
#	Name	Illustration
1	ON/OFF	Power ON/OFF
2	LCD	Used to display the current status of the device and to set menu item parameters
3	Knob	When in the main interface, press the knob to enter the menu operation interface menu operation interface, rotate the knob to select the menu, press the knob to select the current menu or enter the submenu
4	Back button	Exit the current menu or operation.

Backside Panel
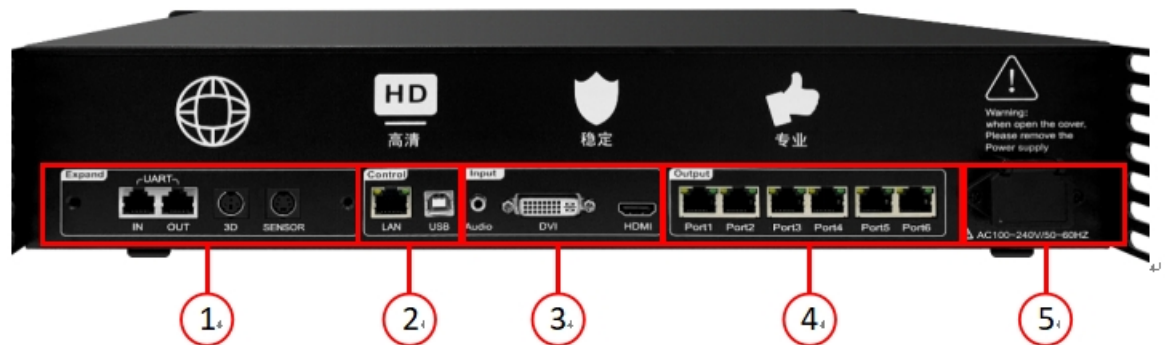
| Backside Panel Illustration		
Input Interface		
#	Name	Illustration
3	AUDIO	3.5mm AUDIO INPUT Port
	DVI	DVI Video Signal Input Port
	HDMI	HDMI Video Signal Input Port
Output Interface		
#	Name	Illustration
4	Gigabyte Ethernet Port	OUT1-OUT6: Output Ethernet Ports1-6 650 thousand pixels for 1 network port it supports network port loop backup Only support port 1 audio transmission.
Control Interface		
1	IN	RS232 communication input
	OUT	RS232 communication output
	3D	3D transceiver interface (reserved)
	SENSOR	Light sensor interface
#	Name	Illustration
2	USB - B TYPE	connected to the software on the PC to communicate.
	LAN	Gigabit network interface; can log in to the cloud platform to view the device status.
Power Interface		
#	Name	Illustration
5	AC Power Port	AC-100-240V-50/60HZ AC Power Port

Dimensions
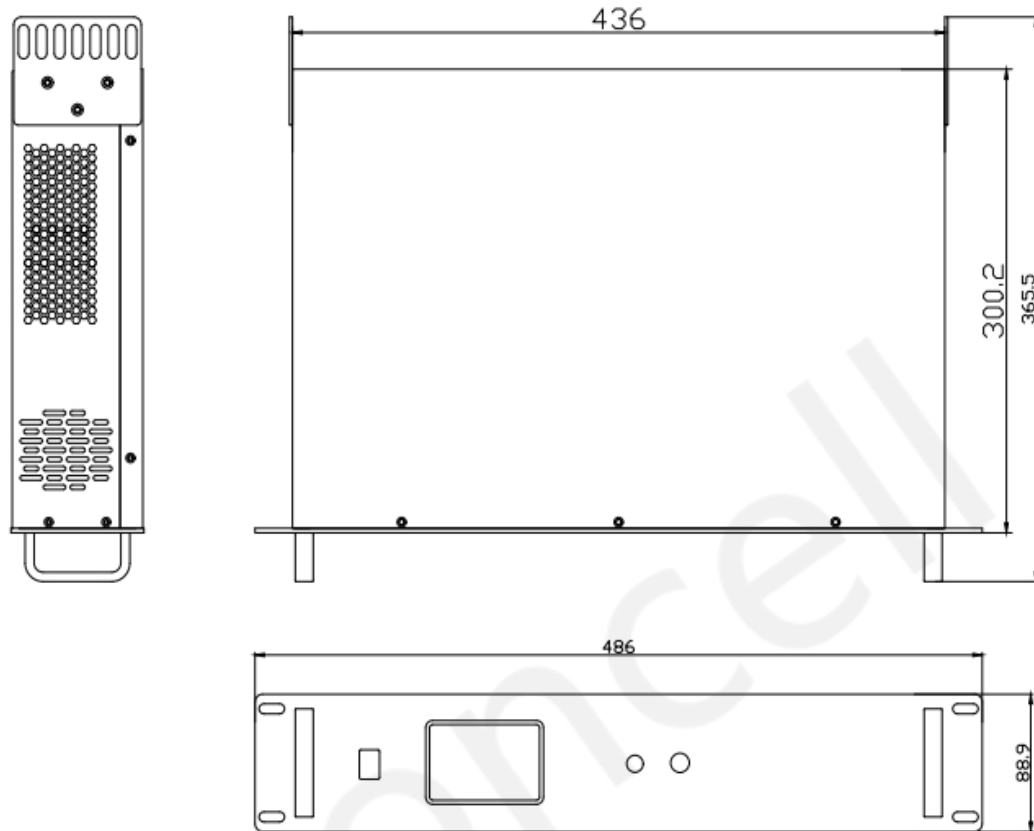
3 Application Schemes
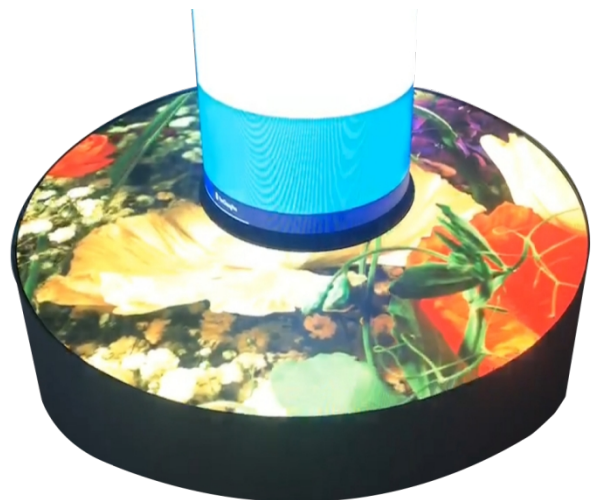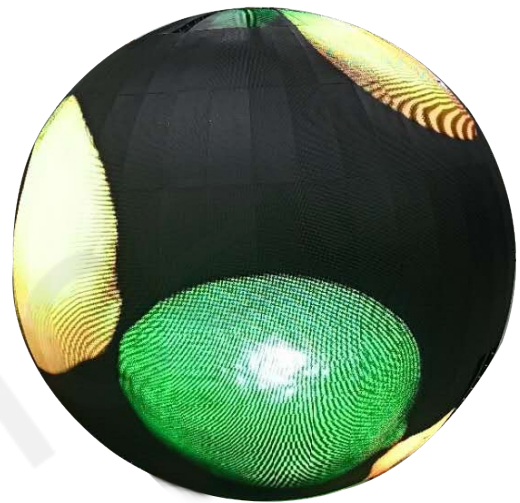
4 Product Specifications

Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	20W
Operating Environment	Operating Temperature	-20℃ - 70℃
	Operating Humidity	10%RH-90%RH No Solidification
Board Size	With mounting iron sheet: 486mmX365.5mmX88.9mm (LxWxH)	
	Without mounting plate: 436mmX300.2mmX88.9mm (LxWxH)	
Net Weight	4.35Kg	
Packing Information	Outer box	560*455*190mm
	Gross weight per unit	5.75 kg
	Packing method	1 pcs/ box

Precautions

1. High voltage danger: The working voltage of this product is AC - 100V ~ 240V.

2. It is forbidden to immerse conductive objects such as liquids and metal fragments into the equipment to avoid safety accidents.

3. Please use the equipment in a dry and clean environment.