



Shenzhen Mooncell Electronics Co., Ltd

Master Controller Series

B200S Sphere LED Display Product Specifications

1 Product Overview

Product Introduction

B200S is a recently developed independent master controller that is specially designed for special-shaped led displays with 2 Gigabit Ethernet Ports for Output;its loading capacity could reach up to 1.3 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

- *1x DVI video signal input, synchronous transmission via the network cable.*
- *1x AUDIO input,synchronous transmission via the network cable.*
- *2x gigabytes Ethernet output ports,it supports the arbitrary splicing.*
- *1x USB port communication, multiple sending cards could be cascading 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.*
- *It supports the upper computer software to detect the operating parameters and status of the sending card.*
- *It supports to read the configurations back from where it was stored (configuration read back)*
- *It supports to detect the error rates of the gigabyte network.*
- *It supports to offline adjust the brightness.*
- *It is suitable for those led displays with irregular sizes(sphere led, circle,special-shaped led,etc)*

Application Scenarios

Mooncell B200S 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	1.3 Million Pixels
Loading Range	Width	128—2048 Pixels
	Height	64—1024 Pixels
Shift Range	Width	0—2048 Pixels
	Height	0—1024 Pixels

Hardware Introduction



Front Panel

Front Panel Illustration		
#	Name	Illustration
1	ON/OFF	Power On/Off
2	Digital Display	To show the current brightness value
3	Indicator	Indicating The Operating Status of the Controller
4	Key +	Increase the brightness value
5	Key -	Reduce the brightness value



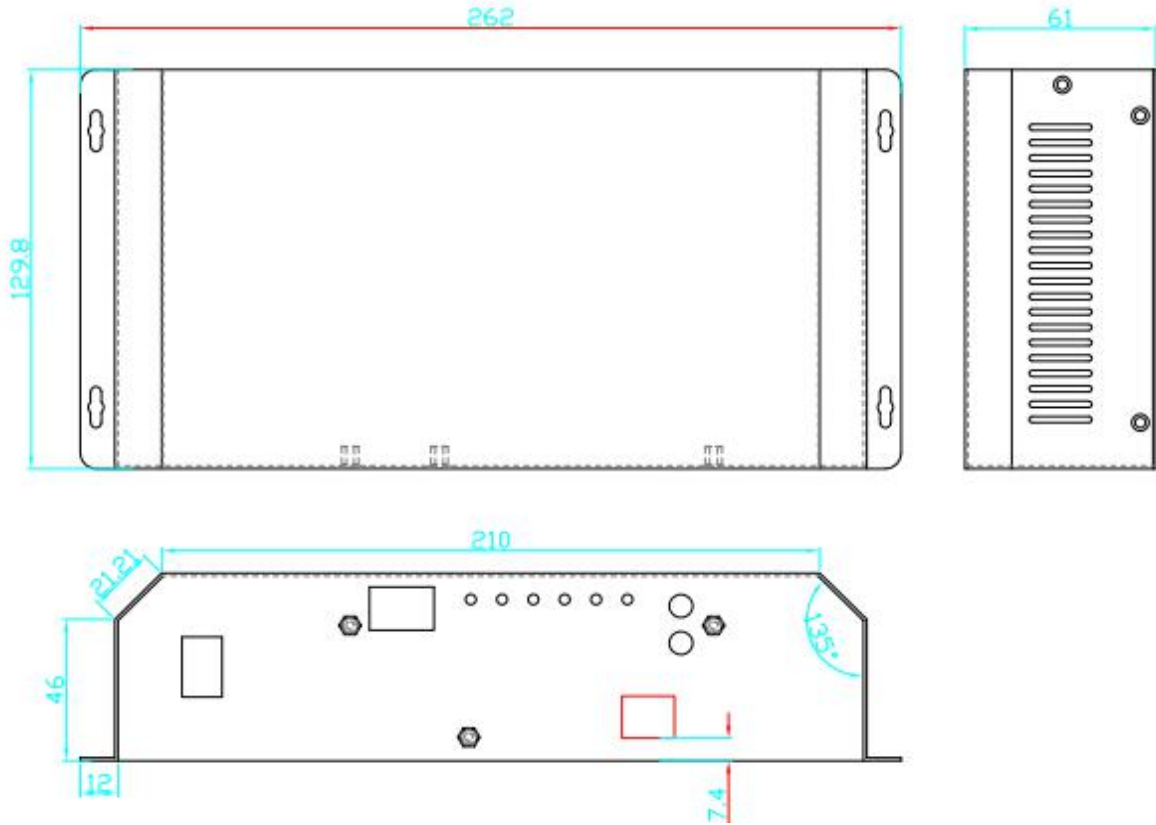
Backside Panel

<i>Backside Panel Illustration</i>		
<i>Input Interface</i>		
<i>#</i>	<i>Name</i>	<i>Illustration</i>
2	Audio	3.5mm Audio Input Port
4	DVI	DVI Video Signal Input Port
<i>Output Interface</i>		
<i>#</i>	<i>Name</i>	<i>Illustration</i>
1	Gigabyte Ethernet Port	<ul style="list-style-type: none"> ◆ OUT1-OUT2 Output Network Port: 1-2 ◆ Maximum 650 thousand pixels for 1 network port ◆ it supports the loop backup between the Ethernet ports
<i>Control Interface</i>		
<i>#</i>	<i>Name</i>	<i>Illustration</i>
3	USB (B Type)	To get it connected to the PC software to communicate
<i>Power Interface</i>		
<i>#</i>	<i>Name</i>	<i>Illustration</i>
5	AC Power Port	AC-100-240V-50/60HZ AC Power Port

Indicator Illustration

<i>Indicator</i>	<i>Illustration</i>	
<i>OUT1-OUT2</i>	<i>Flickering at a constant speed</i>	<i>The Gigabyte Ethernet Port Signal is normally communicated.</i>
	<i>Long lasting on</i>	<i>No Signal for Gigabyte Ethernet Port</i>
<i>DVI</i>	<i>Long On</i>	<i>DVI Signal Input is Normal</i>
	<i>LONG OFF</i>	<i>NO DVI Signal Input</i>
<i>USB</i>	<i>LONG ON</i>	<i>USB Cable is Connected</i>
	<i>LONG OFF</i>	<i>USB Cable is not connected</i>

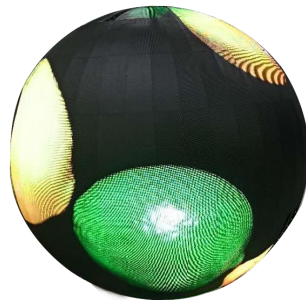
Dimensions



3 Product Specifications

Specifications

<i>Electric Parameters</i>	<i>Input Voltage</i>	<i>AC-100-240V-50/60HZ</i>
	<i>Rated Power</i>	<i>10W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>-20°C - 70°C</i>
	<i>Operating Humidity</i>	<i>10%RH-90%RH No Solidification</i>
<i>Dimensions</i>	<i>210mmX129.8mmX61mm(Length x Width x Height)</i>	
<i>Net Weight</i>	<i>2 Kg</i>	



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.*