



MTB200S Master Controller

Specification V3.2

Shenzhen Mooncell Electronics Co., Ltd

1 Product Overview

Product Introduction

MTB200S is the Big Sending Enclosure that produced by Moonell, with a built-in V30 Pro sending card, and with 2 Network Ports Outputs. The maximum loading capacity could reach up to 1.3 million pixels.

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

Application Scenarios

Mooncell MTB200S with powerful video processing and sending ability which has been widely used in various application scenarios , such as hotel stages, bars, live TV broadcasts, and out-of-home advertising projects.

2 Product Parameters

Basic Parameters

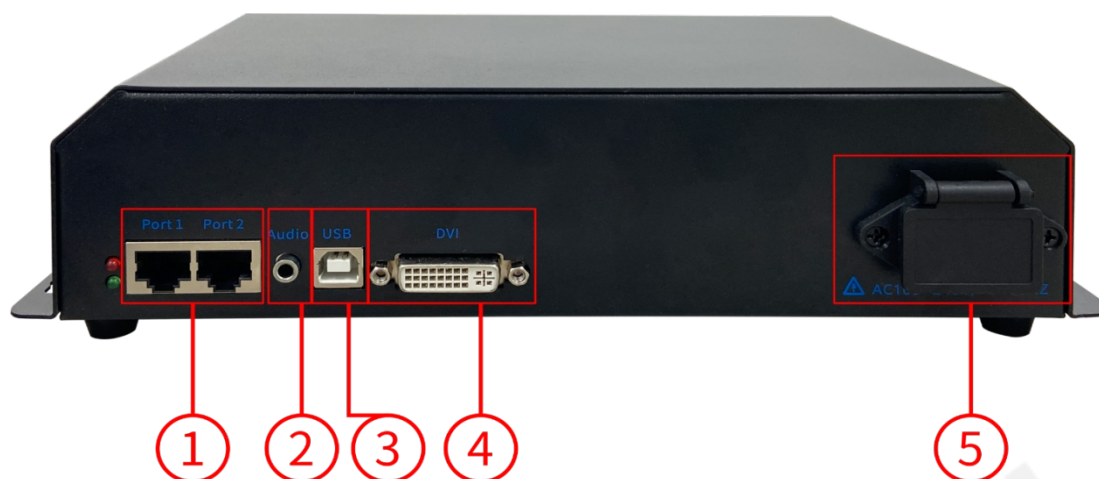
Loading Capacity	1 Network Port	650 Thousand Pixels
	Entire Unit	1.3 Million Pixels
Loading Range	Width	128—4096 Pixels
	Height	64—2048 Pixels
Shift Range	Width	0—4095 Pixels
	Height	0—2047 Pixels

Hardware Introduction

Front Panel



Front Panel Illustration		
#	Name	Illustration
1	ON/OFF	Power ON/OFF
2	Brightness Display	Displays the current brightness value
3	Indicator	The operating status indicator of the controller
4	Gigabit Ethernet port	Debug network port
5	Key -	Button to Reduce brightness
6	Key +	Button to Increase brightness



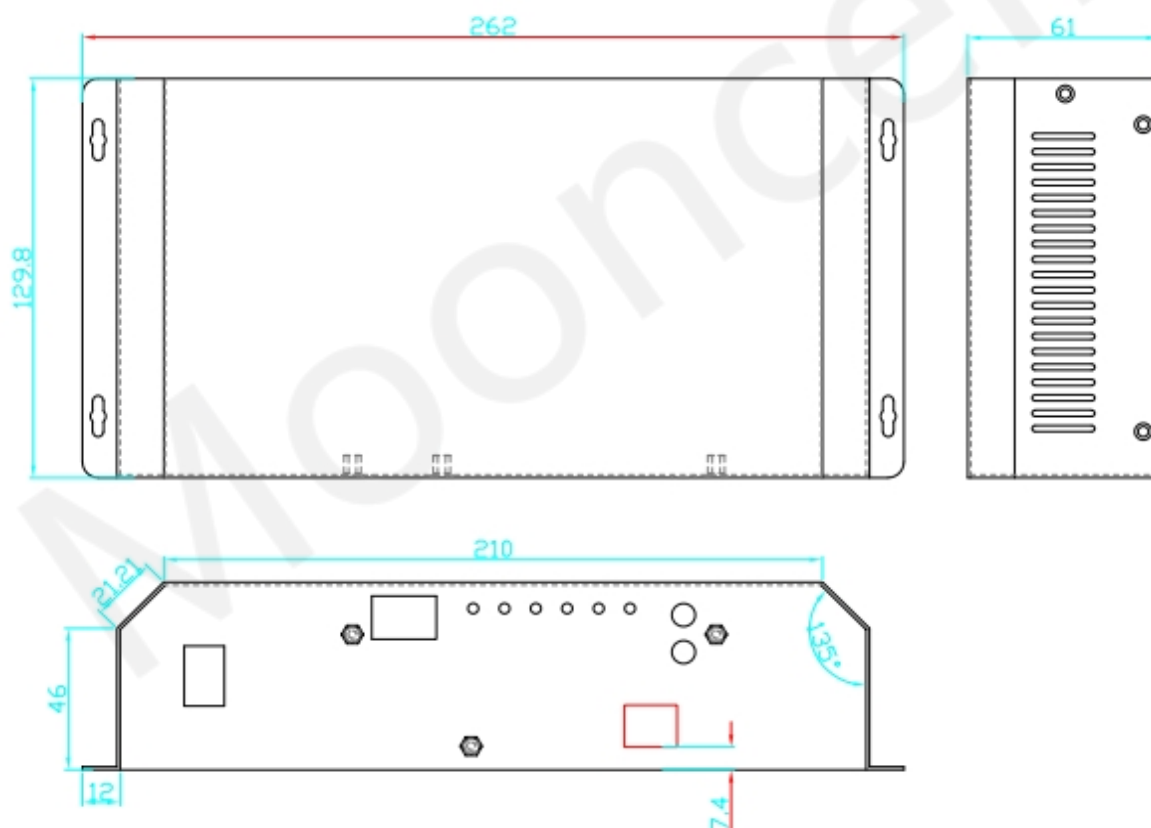
Backside Panel

Backside Panel Illustration		
Input Interface		
#	Name	Illustration
2	AUDIO	3.5mm AUDIO INPUT Port
4	DVI	DVI Video Signal Input Port
Output Interface		
#	Name	Illustration
1	Gigabyte Ethernet Port	OUT1-OUT4: Output Ethernet Ports1-2 650 thousand pixels for 1 network port□ it supports network port loop backup.
Control Interface		
#	Name	Illustration
3	USB (B TYPE)	connected to the software on the PC to communicate.
Power Interface		
#	Name	Illustration
5	AC Power Port	AC-100-240V-50/60HZ AC Power Port

Indicator Illustration

Indicator	Illustration	
OUT1-OUT2	flickering at a constant speed	Gigabyte signal communicates well
	Long-lasting on	No gigabytes signal
DVI	Long-lasting on	DVI signal input well
	Long off	NO DVI SIGNAL INPUT
USB	LONG ON	USB Cable Connected
	Long off	No USB Cable connected

Dimensions



3 Product Specifications

Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	10W
Operating Environment	Operating Temperature	-20°C - 70°C
	Operating Humidity	10%RH-90%RH No Solidification
Dimensions	262mmX129.8mmX61mm	
Net Weight	1.1 Kg	
Packing Information	Accessory	1×Power cable, 1×DVI cable, 1×HDMI to DVI cable, 1×USB cable, 1×Certificate of Conformity
	Outer Box	300mmX200mmX85mm
	Gross Weight	1.9 KG

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.**