



*Shenzhen Mooncell Electronics Co., Ltd*

## ***2IN1 Led Video Processor Series***

### ***MVB10 Product Specifications***

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# *1 Product Overview*

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## ***Product Introduction***

*MVB10 is a professional led display controller that has integrated the video splicing and the sending processing with powerful video signal receiving, splicing and processing abilities. The maximum loading capacity could reach up to 6.5 million pixels. It supports 3x HDMI and 1x DVI signal, a seamless switching between multiple signals could be easily realized; it supports arbitrarily splicing, and it could support maximum 8 images to be displayed simultaneously.*

*MVB10 has 10x Gigabyte Ethernet Output Ports and a series of rich & useful functions, it provides a flexible controlling of the display with high quality of the images, it is suitable for all kinds of displays with different standards.*

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## *2 Function Introduction*

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- ✧ *Full Digital HD Interfaces,DVIx1,HDMIx3*
- ✧ *It supports 4K@30HZ, Full Size(Pixel to Pixel) Display.*
- ✧ *It has 10x Gigabyte Ethernet Output Ports.*
- ✧ *The maximum loading capacity could reach up to 6.5 million pixels, one network port could load 3840 pixels (output) , the widest and highest could reach up to 3840 pixels.*
- ✧ *It supports to freely switch the video sources and get the scale of the led display.*
- ✧ *It supports to get 8 images on the screen, the images could be superimposed,roamed g and scaled.*
- ✧ *The images can be instantly switched, so as to make sure the screen won't be totally black.*
- ✧ *The video source could be freely cropped and partially enlarged.*
- ✧ *The positions and sizes of the images could be freely adjusted.*
- ✧ *It supports the engineering time lock.*

## 3 Product Parameters

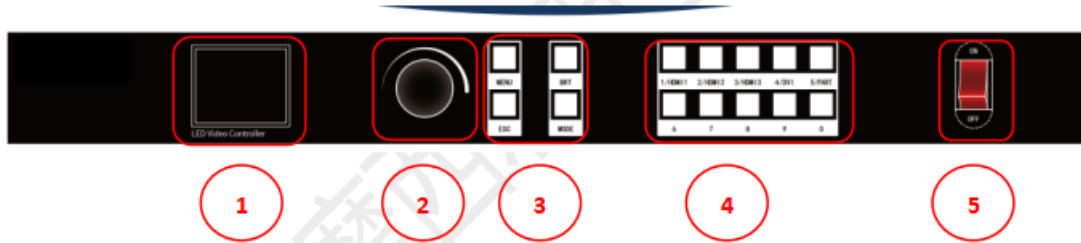
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### Basic Parameters

<i>Loading Capacity</i>	<i>1 Network Port</i>	<i>650 thousand pixels</i>
	<i>1 unit ( entire unit)</i>	<i>6.5 million pixels</i>
<i>The Widest and Highest Loading Pixel</i>	<i>One network Port: 3840</i>	
<i>The Widest and Highest Loading Pixel</i>	<i>Entire Unit:16384</i>	

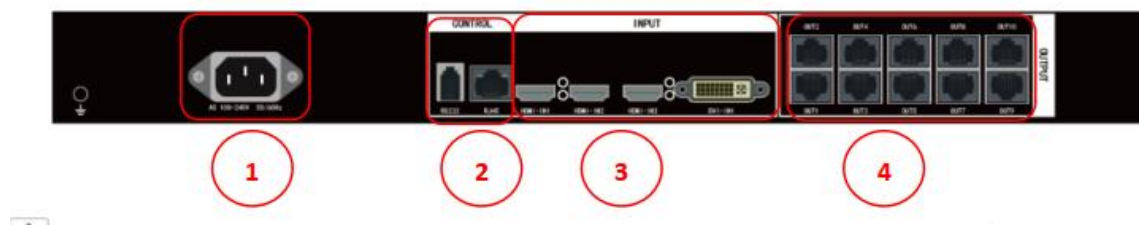
### Hardware Introduction

## Front Panel



<b>Front Panel Illustration</b>		
<b>#</b>	<b>Buttons</b>	<b>Illustration</b>
<b>1</b>	<b>LCD</b>	<i>It displays the operation menu.</i>
<b>2</b>	<i>Operation Button(Rotating Knob)</i>	<i>Rotating Key, choose the menu. ESC Key.</i>
<b>3</b>	<i>Function Buttons</i>	<i>MENU ESC BRT MODE</i>
<b>4</b>	<i>Numeric numbers</i>	<i>Scene Template Call</i>
<b>5</b>	<i>Power ON/OFF</i>	<i>Device Power ON/OFF</i>

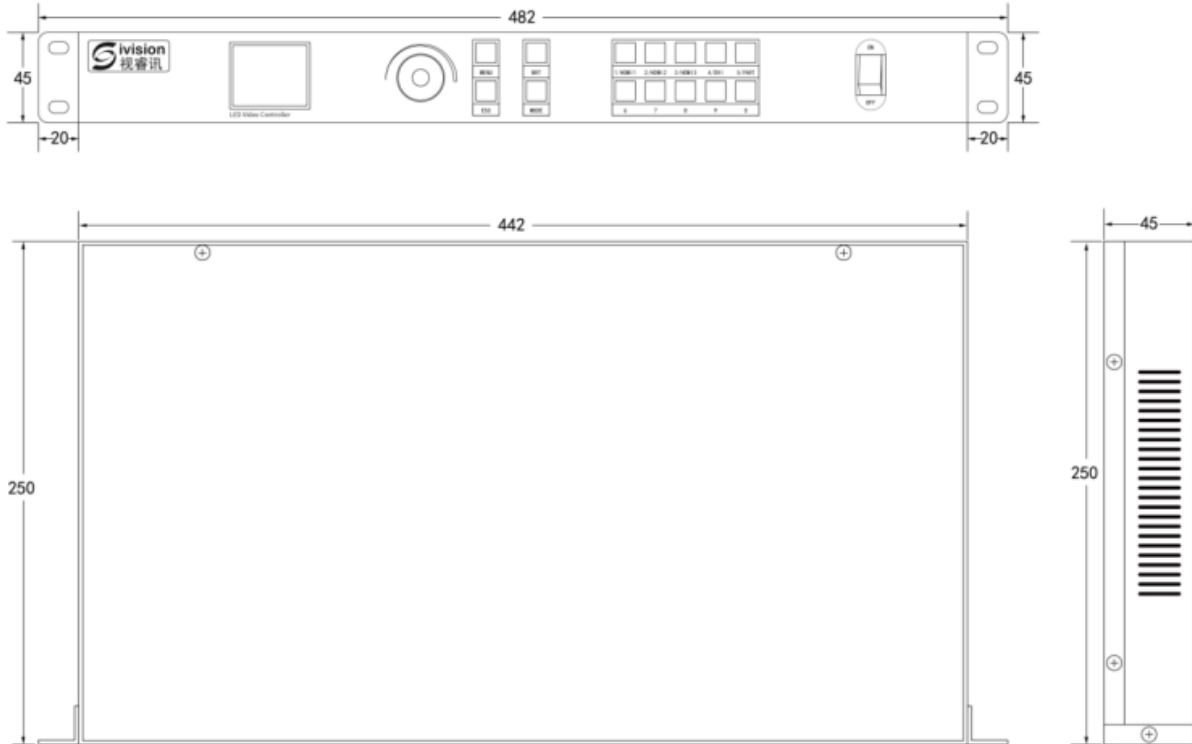
## Backside Panel



<b>Input Interface</b>			
#	Interface Type	QTY	Illustration
3	HDMI	3	EIA/CEA-861 Standards , HDMI1.3 Standards , HDMI1.4 Standards , it supports 1920x1080@60Hz , 3840x2160@30HZ
	DVI	1	It only supports VESA Standards DVI-D Analog Signal, It supports user defined EDID
<b>Output Interface</b>			
#	Interface Type	QTY	Illustration
4	Gigabyte Ethernet Port	10	Interface Type: RJ45 Transferring Speed: 1000BaseTX Supported Receiving Card: Mooncell All Series Receiving Card and Multifunctional Card
<b>Control Interface</b>			
#	Interface Type	QTY	Illustration
2	LAN	1	100M network debugging interface, It supports LAN debugging
	RS232	1	Serial Port, Reserved Port
<b>Power Interface</b>			

<i>#</i>	<i>Interface Type</i>	<i>QTY</i>	<i>Illustration</i>
<i>1</i>	<i>Power Interface</i>	<i>1</i>	<i>AC 100V~240V</i>

# Dimensions:



# 4 Product Specifications

## Specifications



<i>Electric Parameters</i>	<i>Input Voltage</i>	<i>AC-100-240V-50/60HZ</i>
	<i>Rated Power</i>	<i>20W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>0 °C - 50 °C</i>
	<i>Operating Humidity</i>	<i>10%RH-90%RH No Solidification</i>
<i>Dimensions</i>	<i>482 x 250 x 45 mm( Length x Width x Height)</i>	
<i>Net Weight</i>	<i>1.9Kg ±0.5g</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.*