



Shenzhen Mooncell Electronics Co., Ltd

2IN1 Led Video Processor Series

MVB10E Product Specifications

1 Product Overview

Product Introduction

*MVB10E 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 DVI*1, HDMI*3, DP*1, HDMI and audio signal, a seamless switching between multiple signals could be easily realized; it supports arbitrarily splicing, and it could support maximum 4 images to be displayed simultaneously.*

MVB10E 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.

2 Function Introduction

- ✧ *Full Digital HD Interfaces, DVI, HDMI, DP and audio*
- ✧ *It supports 4K@60HZ, 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 8192 pixels.*
- ✧ *It supports to freely switch the video sources and get the scale of the led display.*
- ✧ *It supports to get 4 images on the screen, the images could be superimposed, roamed 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.*

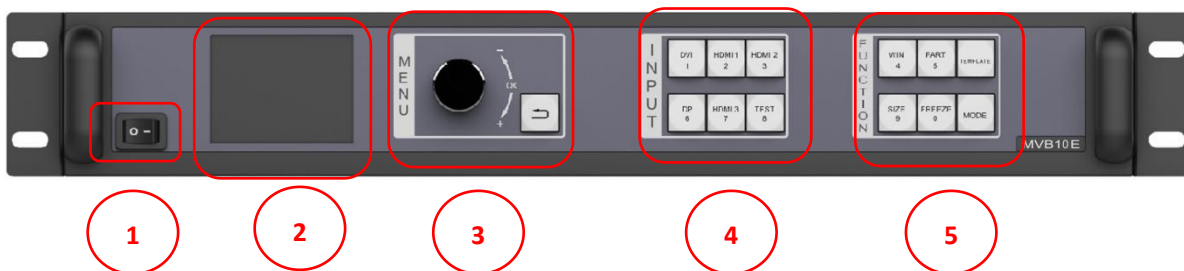
3 Product Parameters

Basic Parameters

Loading Capacity	1 Network Port	650 thousand pixels
	1 unit (entire unit)	6.5 million pixels
The Highest Loading Pixel	8192	
The Widest Loading Pixel	3840	

Hardware Introduction

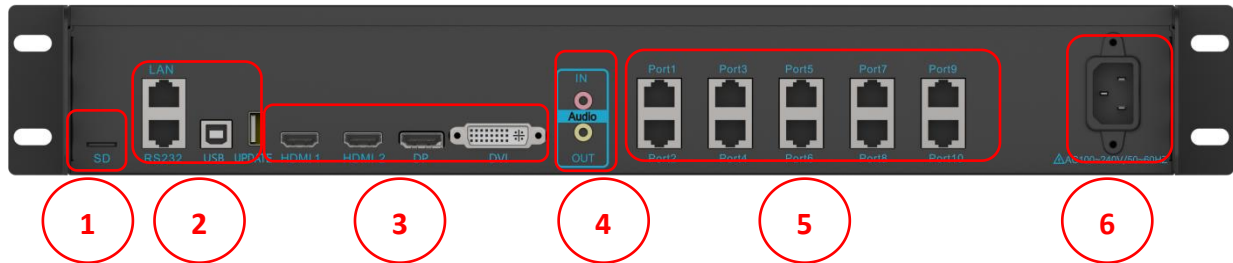
Front Panel



Front Panel Illustration		
#	Buttons	Illustration
1	Power ON/OFF	Device Power ON/OFF
2	LCD	Display action menu
3	operation button	Knob keys, selectable menu Back button

<p>4</p>	<p><i>Numeric numbers</i></p>	<p><i>Scene Template Call</i> <i>DVI/ Number key 1</i> <i>HDMI/Number key 2</i> <i>HDMI/ Number key 3</i> <i>DP / Number key 4</i></p>
<p>5</p>	<p><i>Function Buttons</i></p>	<p><i>Win- Layer selection/number keys 4</i> <i>Part-Partial/full screen /number 5</i> <i>TEMPLATE- Multiscreen template</i> <i>SIZE-Resize screen shortcut/number keys 9</i> <i>FREEZE-Image black screen/number keys 0</i> <i>Mode- Shortcut for loading scene</i></p>

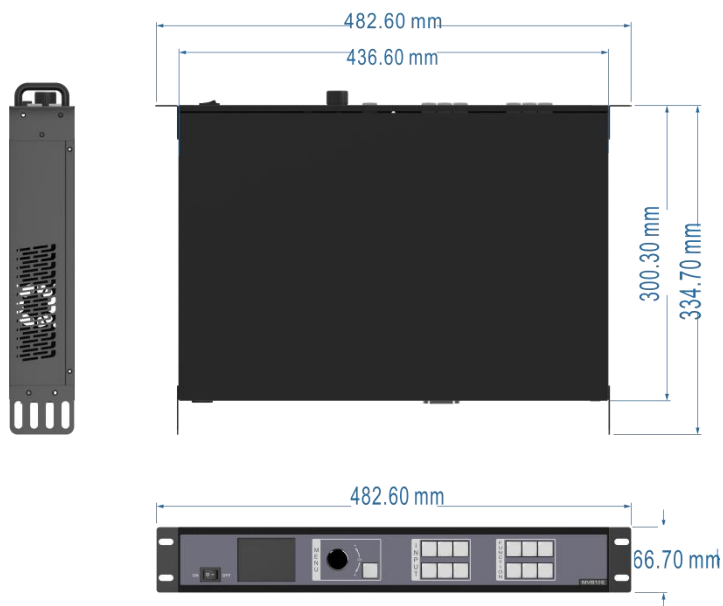
Backside Panel



Input Interface			
	Interface Type	QTY	Illustration
3	DVI	1	1920X1080/60HZ, 3840 * 540/60HZ and EDID customization
	HDMI1	1	1920X1080/60HZ, 3840 * 540/60HZ and EDID customization
	HDMI2	1	1920X1080/60HZ, 3840 * 540/60HZ and EDID customization
	HDMI Built-in	1	1920X1080/60HZ, 3840 * 540/60HZ and EDID customization
	DP	1	1920X1080/60HZ, 3840 * 540/60HZ and EDID customization
Input Interface			
	Interface Type	QTY	Illustration
5	Gigabit Ethernet port	10	Interface Type: RJ45 Transfer speed: 1000BaseTX Support receiving cards: Mooncell series receiving cards and multi-function cards
Audio interface			
	Interface Type	QTY	Illustration
4	AUDIO IN	1	3.5mm audio interface input
	AUDIO OUT	1	3.5Mm audio interface output
Processor Control Interface			
	Interface Type	QTY	Illustration
2	UPDATE	1	USB upgrade port
	USB	1	Send card debugging interface, connect to AutoLED software
	LAN1	1	100M network communication interface (reserved interface)
	RS232	1	Serial interface
Extended Function Interface			

	<i>Interface Type</i>	<i>QTY</i>	<i>Illustration</i>
1	SD Card	1	Install SD card to store large screen configuration parameters for data inspection
<i>Power interface</i>			
	<i>Interface Type</i>	<i>QTY</i>	<i>Illustration</i>
6	Power interface	1	AC power input interface 100V~ 240V

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>25W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>0°C - 45°C</i>
	<i>Operating Humidity</i>	<i>10%RH-90%RH No Solidification</i>
<i>Dimensions</i>	<i>482.6 x 300.3 x 66.7 mm(Length x Width x Height)</i>	
<i>Net Weight</i>	<i>5kg</i>	

<i>Packaging information</i>	<i>1 × certificate, 1 × DP cable, 1 × HDMI cable, 1 × DVI cable, 1 × USB2.0 cable, 1 × power cord</i>	
	<i>packing box:515×130×380mm</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.*