



*Shenzhen Mooncell Electronics Co.,*

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

### ***MVB4SPro Product Specifications***

# 1 Product Overview

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## **Product Introduction**

*MVB4SPro is a 2in1 led video processor produced by Mooncell and which has integrated with a video processor and sending card. It supports quick led display set-up, without using the computer software to configure the connections of the led display, which has greatly simplified the on site debugging steps. It features a complete video image input interfaces, including: 1x VGA, 1x DVI, 1x HDMI, 1x CV, and the Full HD Signal Input is supported; it features 4x Gigabit Ethernet Ports, 1x DVI LOOP out, the single unit could upload 2.6 million pixels, the widest horizontal resolution could reach up to: 3840 and the vertical could reach up to 1920.*

## **Product Features:**

*It features the top image processing chip of the industry, internal with the 12 digits processing, which has made a clearer image with richer color. The advanced interlaced motion adaptive processing technology, which eliminates the smearing and aliasing issue of the video's image motion. For the conventional PAL/NTSC videos, the output image will be clearer and more subtle, rich in details and full in color which has made the image quality a leading position in the industry.*

## **Application Scenarios**

*It is suitable for many application scenarios such as small and medium-sized LED displays in shopping malls, hotels, exhibitions, TV studios, etc.*



## 2 Function Introduction

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- ✧ 4 Ethernet Ports for Outputs, 2.6 Million pixels could be uploaded, the single Ethernet Port could upload 650 thousand pixels; widest horizontal resolution : 3840/ vertical: 1920.
- ✧ It features multiple video input interfaces: 1 × VGA, 1 × DVI, 1 × DVI LOOP, 1 × HDMI, 1 × CV.
- ✧ It has the independent audio input, audio separation output.
- ✧ It supports instant switching between multiple signal input channels or fade in & fade out.
- ✧ No need to debug through the software on the computer, just a knob and button to quickly get the led display connected, easy and simple operation.
- ✧ It supports wizard debugging mode to make debugging easier and more convenient.
- ✧ It supports dual picture function (HDMI, DVI), picture in picture or picture out picture could be realized, the size is adjustable.
- ✧ Graphic overlay, keying synthesis function, convenient to achieve the effect of subtitle overlay, image synthesis.
- ✧ It supports the pixel to pixel scaling of the input image according to the resolution of the display.
- ✧ It supports multiple devices cascading connection.
- ✧ It supports timed signal switching.
- ✧ It supports the self-detection of the voltage and temperature.
- ✧ It supports timed automatic brightness adjustment.
- ✧ It supports user-defined EDID and management.
- ✧ it supports timed 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>2.6 million pixels</i>
<i>The Widest Loading Pixel</i>	<i>Entire Unit: 3840</i>	
<i>The highest Loading Pixel</i>	<i>Entire Unit:1920</i>	

### Hardware Introduction



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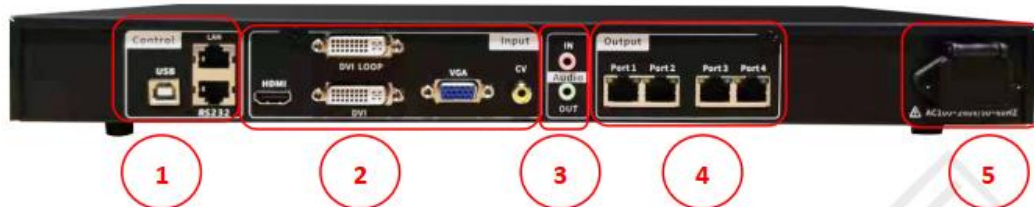
## Front Panel



<i>Front Panel Illustration</i>		
<i>#</i>	<i>Buttons</i>	<i>Illustration</i>
1	Power ON/OFF	Device Power ON/OFF
2	LCD	It displays the operation menu.
3	Operation Button(Rotate Knob)	Rotate to choose the menu operation ESC Key.
4	Inputs Source Switching Buttons	Input Source and Test Signal
5	Function Buttons	Dual Pictures Quick Switch Button Partial and Full Display Switching Button Picture Capture Quick Switch Button Brightness LED Settings



## Backside Panel



<i>Input Interface</i>			
#	<i>Interface Type</i>	<i>QTY</i>	<i>Illustration</i>
2	HDMI	1	Signal Standards : DVII.0HDMI1.3 Downwards Compatible ; Resolution Supported : VESA Standards 1920x1200
	DVI	1	Signal Standards : DVII.0HDMI1.3 Downward Compatible; Resolution Supported : VESA Standards 1920x1200
	VGA	1	Signal Standards: Analog RGB; Resolution Supported : VESA Standards 1920x1200
	CV	1	Signal Standards : PAL/NTSC; Resolution Supported : 480i,576
<i>Output Interface</i>			
#	<i>Interface Type</i>	<i>QTY</i>	<i>Illustration</i>
4	Gigabyte Ethernet Port	4	Interface Type : RJ45 Transferring Speed: 1000BaseTX Output Resolution : Widest 3840, Highest 1920; Entire 2.6 Million Pixels Supported Receiving Card : Mooncell All Series Receiving card and multifunctional card



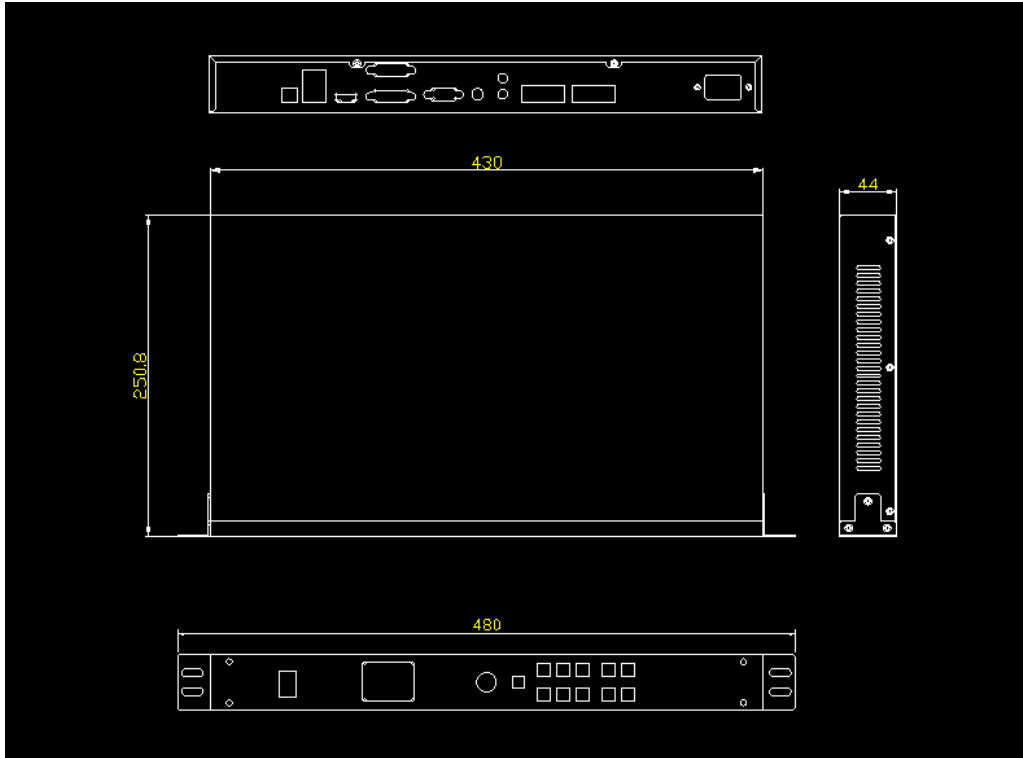
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<b>AUDIO Interface</b>			
<b>#</b>	<b>Interface Type</b>	<b>QTY</b>	<b>Illustration</b>
3	AUDIO IN	1	3.5mmAudio Interface Input
	AUDIO OUT	1	3.5mmAudio Interface Output
<b>Control Interface</b>			
<b>#</b>	<b>Interface Type</b>	<b>QTY</b>	<b>Illustration</b>
1	LAN	1	100M Ethernet Port, Reserved Port
	RS232	1	Serial Port, Reserved Port
	USB	1	Configure Port to connect to the PC
<b>Power Interface</b>			
<b>#</b>	<b>Interface Type</b>	<b>QTY</b>	<b>Illustration</b>
5	Power Interface	1	AC 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>20W</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>480 x 250.8 x 44 mm( Length x Width x Height)</i>	
<i>Net Weight</i>	<i>2.6KG</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.*

