



Shenzhen Yake LED TECH Co., LIMITED.

2IN1 Led Video Processor

MVB12 Product Specifications

1 Product Overview

Product Introduction

MVB12 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 7.8 million pixels. It supports 3x HDMI ,1x DVI ,1x HDMI2.0 and 1x DP signals, 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.

MVB12 has 12x 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, DVIx1, HDMIx3, 1x HDMI2.0, 1x DP.*
- ✧ *It supports input resolution: 3840 × 2160@60Hz, and the maximum input resolution: 7680*1080@60HZ, the resolution could be user defined.*
- ✧ *It has 12x Gigabyte Ethernet Output Ports.*
- ✧ *The maximum loading capacity could reach up to 7.8 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

Basic Parameters

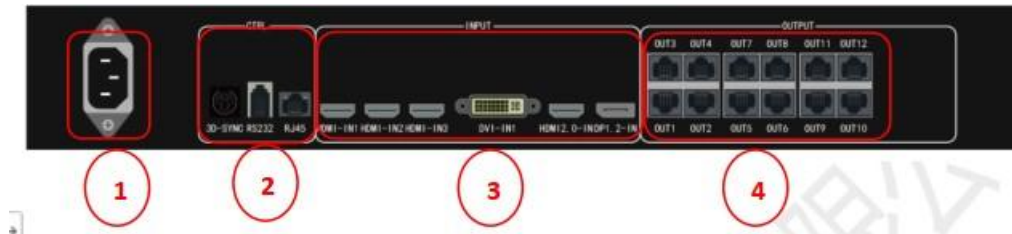
<i>Loading Capacity</i>	<i>1 Network Port</i>	<i>650 thousand pixels</i>
	<i>1 unit (entire unit)</i>	<i>7.8 million pixels</i>
<i>The Widest and Highest Loading Pixel</i>	<i>One network Port: 3840</i>	
<i>The Widest and Highest Loading Pixel</i>	<i>Entire Unit: 16384</i>	

Front Panel



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

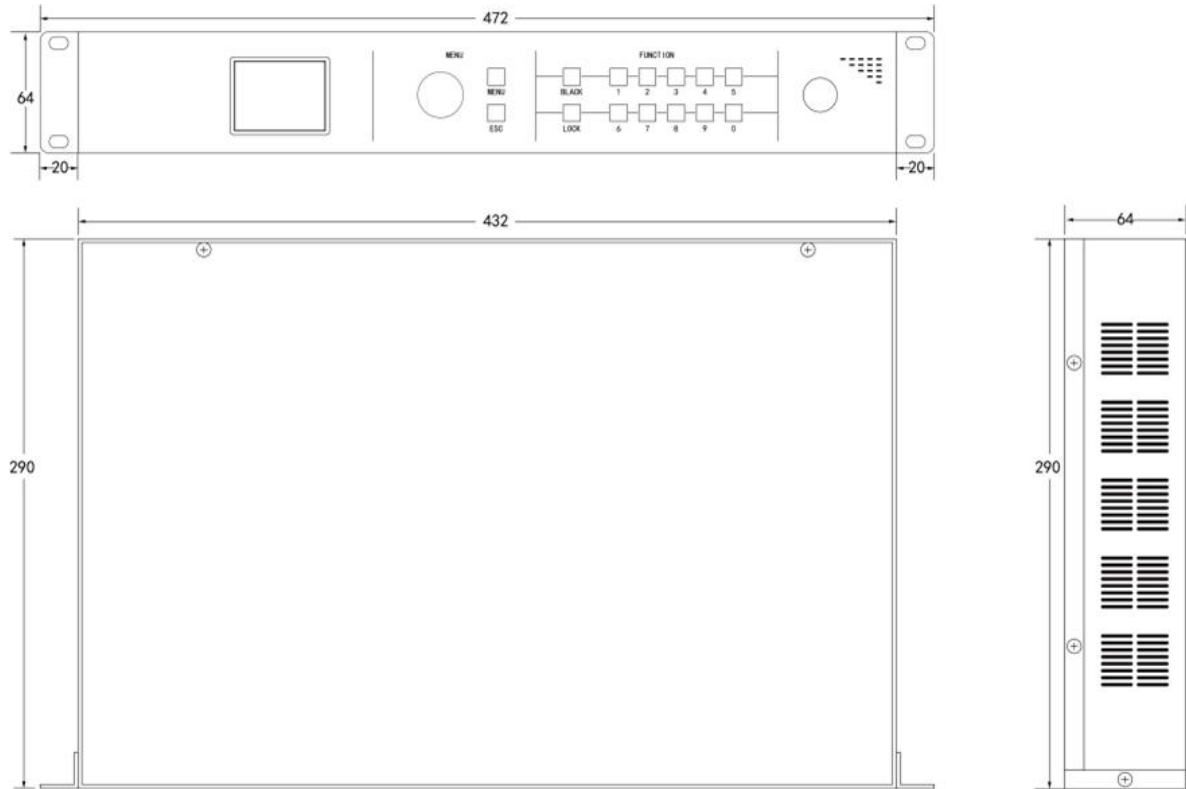
Backside Panel



Input Interface			
#	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
	HDMI2.0	1	It conforms to HDMI 2.0 Standards , It supports 4096x2160@60Hz
	DP1.2	1	It conforms to DP1.2 Standards , It supports 4096x2160@60Hz
Output Interface			
#	Interface Type	QTY	Illustration
4	Gigabyte Ethernet Port	12	Interface Type: RJ45 Transferring Speed: 1000BaseTX Supported Receiving Card: Yake All Series Receiving Card and Multifunctional Card
Control Interface			
#	Interface Type	QTY	Illustration
2	LAN	1	100M network debugging interface, It supports LAN debugging

	<i>RS232</i>	<i>1</i>	<i>Serial Port, Reserved Port</i>
	<i>3D-SYNC</i>	<i>1</i>	<i>Reserved Port</i>
<i>Power Interface</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

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Specifications

<i>Electric Parameters</i>	<i>Input Voltage</i>	<i>AC-100-240V-50/60HZ</i>
	<i>Rated Power</i>	<i>36W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>-20 °C - 70 °C</i>
	<i>Operating Humidity</i>	<i>10%RH-80%RH No Solidification</i>
<i>Dimensions</i>	<i>472mmX290mmX64mm(Length x Width x Height)</i>	
<i>Net Weight</i>	<i>2.8Kg±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.*