Mooncell

Shenzhen Mooncell Electronics Co., Ltd

2IN1 Led Video Processor Series

MVB12E Product Specifications

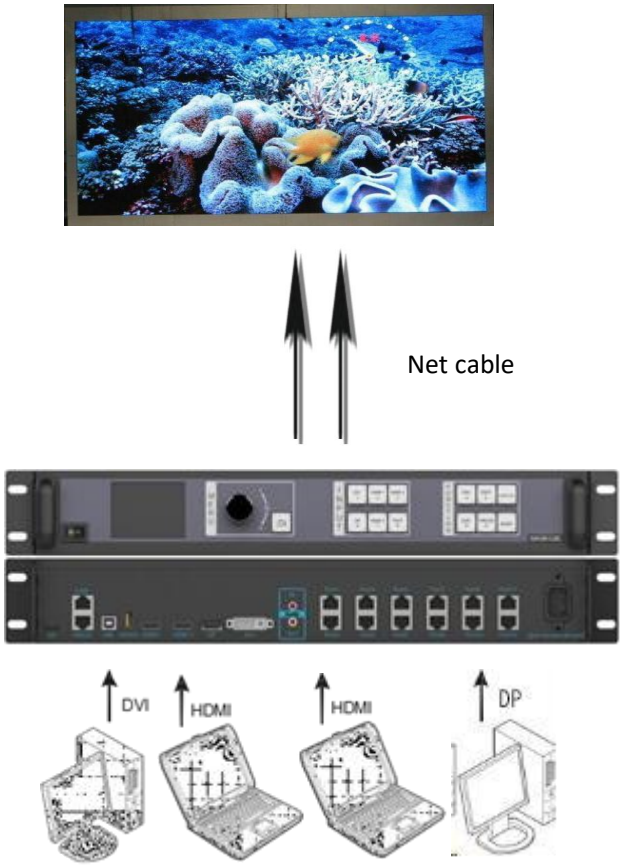
1 Product Overview

Product Introduction

MVB12E is an easy-to-operate, feature-rich hardware led display processor that supports 4K high definition interface input and integrates professional display control technology and powerful video processing capability simplifying the setup of the field environment. With advanced interlaced image adaptive processing technology and ultra-clear noise reduction engine, eliminating video image motion smearing and jagged phenomenon,the video image enhancement technology makes the image clearer and more detailed, rich in details, and full of colors ,Image quality is stable.

Application Scenarios

It is suitable for many application scenarios such as: shopping malls, hotels, exhibition displays, TV studio centers or any where that the small and medium-sized led screen.



2 Function Introduction

- ✧ *Total Standalone Carrying Capacity: 7.8 megapixels; Custom Output Resolution; Widest Pixels:8192，Highest Resolution:3840.*
- ✧ *It supports to get 4 images on the screen.*
- ✧ *It supports audio input and output and to adjust the volume and freely switch between the audio and video.*
- ✧ *Multiple Inputs：2×HDMI、1×DP、1×DVI、1×HDMI(built - in)、1×AUDIO .*
- ✧ *It supports to restore and load scene templates.*
- ✧ *It supports to get 8 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)	7.8 million pixels
The Widest Loading Pixel	Entire Unit: 8192	
The Highest Loading Pixel	Entire Unit:3840	

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Hardware Introduction

Front Panel

Front Panel Illustration			
#	Name	Illustration	
1	Power Button	On/Off	
2	LCD	It displays the operation menu.	
3	Menu Button	Spin the button, turn aside to select a certain menu. And there's this ESCAPE button to goes back to one menu screen.	
4	Signal Inputs	DVI1	DVI1/#1
		DVI2	DVI2/#2
		HDMI1	HDMI1/#3
		HDMI2	HDMI2/#6
		HDMI3	HDMI3/#7
		DP	DP/#8
5	Function Button	Win	Select a certain window/#4
		Part	Full or Partial screen /#5
		TEMPLATE	Templates

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		SIZE	*Adjust the size of the window/#9*
		FREEZE	*Turn the screen to black/#0*
		MODE	*Load the scene*

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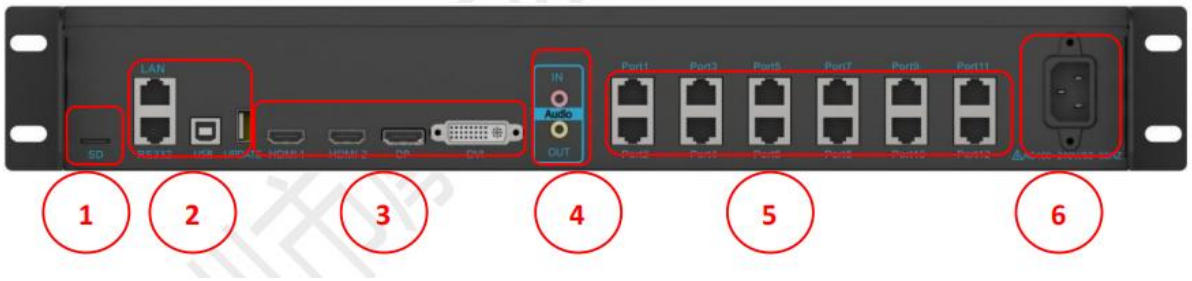
Rear Panel



Input Interface			
#	Interface Type	QTY	Illustration
3	HDMI 1	1	It supports 1920x1080@60Hz，3840x1080@60HZ. It supports user defined EDID.
	HDMI 2	1	It supports 1920x1080@60Hz，3840x1080@60HZ. It supports user defined EDID.
	HDMI (Built-in)	1	It supports 1920x1080@60Hz，3840x1080@60HZ. It supports user defined EDID.
	DVI	1	It supports 1920x1080@60Hz，3840x540@60HZ. It supports user defined EDID.
	DP	1	It supports 1920x1080@60Hz，3840x2160@60HZ. It supports user defined EDID.
Audio Interface			
#	Interface Type	QTY	Illustration
4	AUDIO IN	1	3.5mm audio interface input
	AUDIO OUT	1	3.5mm audio interface output
Output Interface			
#	Interface Type	QTY	Illustration
5	Gigabyte Ethernet Port	12	Interface Type： RJ45 Transferring Speed：1000BaseTX Supported Receiving Card： Mooncell Series

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			Receiver Cards and Multifunctional Cards
Control Interface			
#	***Interface Type***	***QTY***	***Illustration***
2	*LAN1*	*1*	*100M network debugging interface, It supports LAN debugging*
	RS232	*1*	*Serial Port*
	USB	*1*	*Sender card debugging interface. Connection to AutoLED software*
	UPDATE	*1*	*USB upgrade Port*
Function Extension Interface			
#	***Interface Type***	***QTY***	***Illustration***
1	*SD Card*	*1*	*Installation of an SD card to store the configuration parameters of the big screen for data inspection.*
Power Interface			
#	***Interface Type***	***QTY***	***Illustration***
6	*Power Interface*	*1*	*AC 100V~240V*

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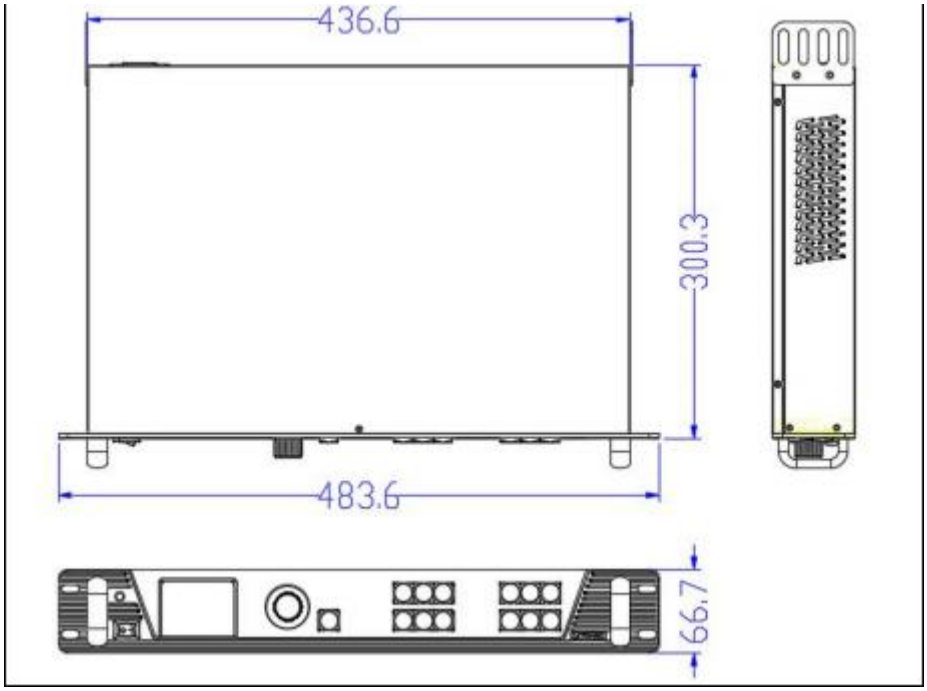
Dimensions:



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4Product Specifications

Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	25W
Operating Environment	Operating Temperature	0℃ - 45℃
	Operating Humidity	10%RH-90%RH No Solidification
Dimensions	483.5mmX300.3mmX66.7mm(Length x Width x Height)	
Net Weight	5Kg	
Packaging Dimension	515×130×380mm	
Accessories	1×DVI Cable、1× Power Cable、1×DP Cable、1×HDMI Cable、1×USB2.0 Cable、1×Certificate	

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.

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