



MVB12E 2IN1 Video Processor

Specification V3.5

Shenzhen Mooncell Electronics Co., Ltd

1 Product Overview

Product Introduction

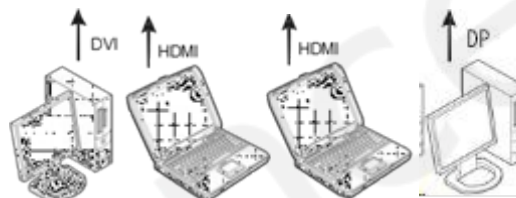
MVB12E is an easy-to-operate, feature-rich hardware led display processor that supports 4K high definition interface input and integrates professional display control technology and powerful video processing capability simplifying the setup of the field environment. With advanced interlaced image adaptive 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.



Network Cable



2 Function Introduction

- The loading capacity could reach up to 7.8 million pixels. The output resolution could be customized and the maximum 8192 pixels from the width, 3840 pixels from the height.
- 4 Windows are able to be displayed simultaneous, output resolution width greater than 4096, only a single screen display
- Freely Switching between the Audio and Video/ Adjusting the Volume
- supports 100 Gigabit Ethernet and USB and serial port debugging control
- Input Ports:: DVI*1,HDMI*2, DP*1, HDM (Built in)*1, Audio*1
- To save the template and use it.
- Seamlessly switching between multiple windows, seamless single layer switching.
- Turn the screen to black with just one button
- Built in with online debugging function Press to lock or unlock the device
- Plugging in the USB Flash to upgrade the firmware of the device
- Built-in test graphics card
- Time Task Sheet

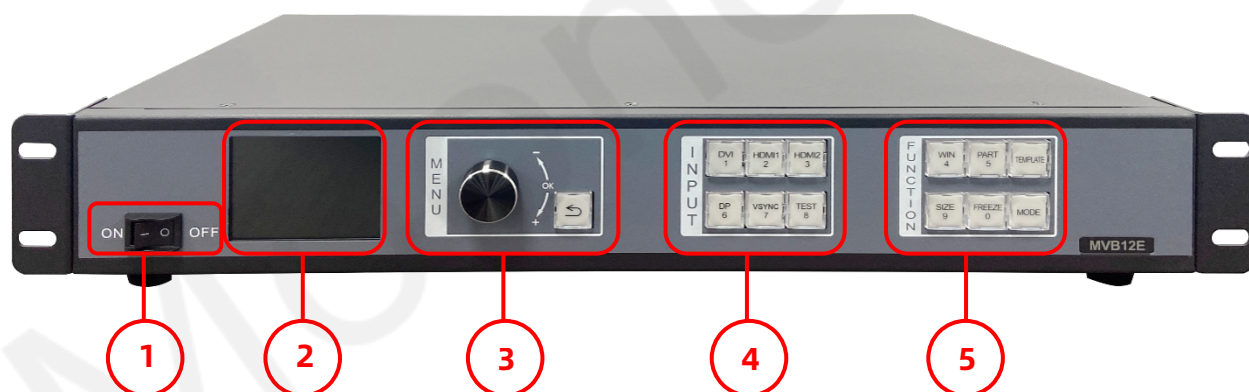
3 Product Parameters

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	

Hardware Introduction

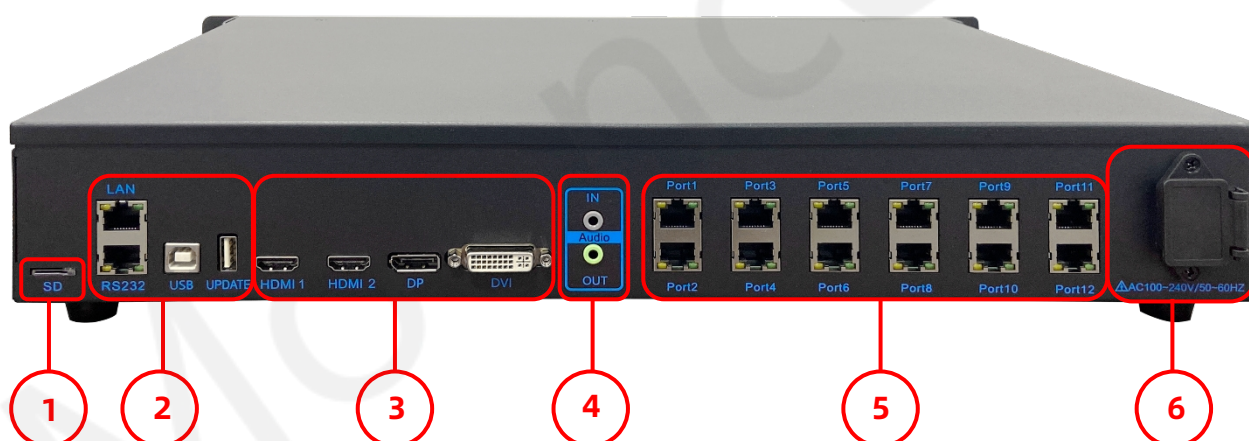
Front Panel



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	DVI1	DVI1/#1

5	Inputs	HDMI1	HDMI1/#2
		HDMI2	HDMI2/#3
		DP	DP/#6
	Function Button	Win	Select a certain window/#4
		Part	Full or Partial screen /#5
		TEMPLATE	Templates
		SIZE	Adjust the size of the window/#9
		FREEZE	Turn the screen to black/#0
		MODE	Load the scene

Rear Panel

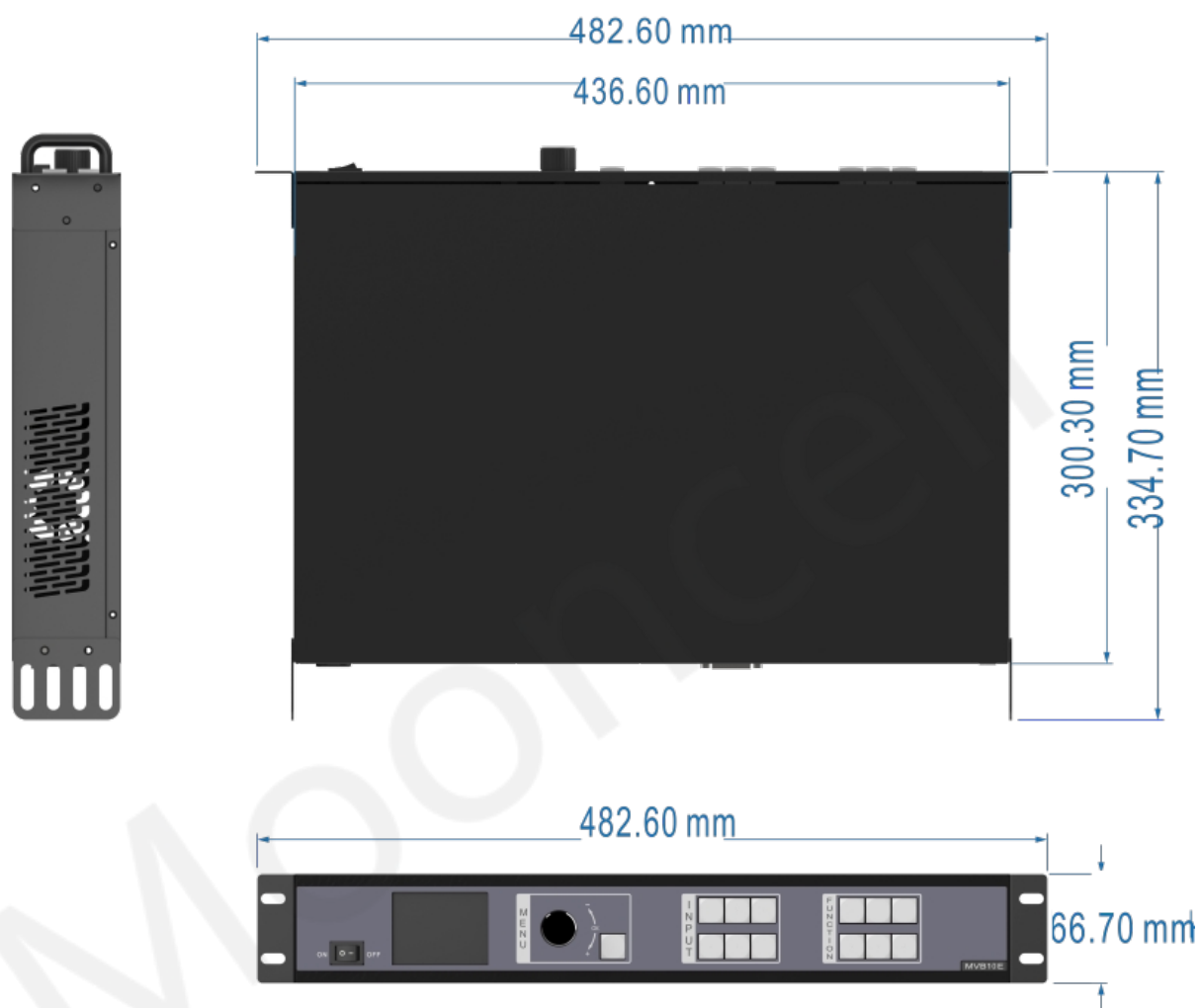


Input Interface			
#	Interface Type	QTY	Illustration
	DVI	1	1920x1080/60HZ、3840*540/60HZ EDID management
3	HDMI 1	1	It supports 1920x1080@60Hz, 3840x1080@60HZ. It supports user defined EDID.
	HDMI 2	1	It supports 1920x1080@60Hz, 3840x1080@60HZ. It supports user defined EDID.

	DP	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 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

Dimensions:



4 Product Specifications

Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	25W
Operating Environment	Operating Temperature	0°C - 45°C
	Operating Humidity	10%RH-90%RH No Solidification
Dimensions	482.6x300.3x66.7mm (Length x Width x Height)	
Net Weight	3.75 Kg	
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.**