Shenzhen Yake LED TECH Co., LIMITED.

2IN1 Led Video Processor

MVB16S Product Specifications

1 Product Overview

Product Introduction

Yake MVB16S multiple images,video splicing,processing and sending all-in-one machine is a professional led display control equipment;with powerful video signal receiving,splicing and processing capability and it can drive a large led display with the maximum of 10.4 million pixels,it supports the 4k@60hz high definition digital signal of HDMI2.0 and DP1.2 , meanwhile it supports 3x HDMI and 1x DVI digital signal; arbitrary splicing,broadcast-level scaling(zoom),it can maximum support 8 screens to be simultaneously displayed, and multiple devices could be cascading connected so as to support larger led screens.

Product Features

MVB16S features 16x gigabyte Ethernet output ports, with 1x MVB16S, a led screen with 4092(widest)/4092(highest) pixels could be supported. At the same time, MVB16S has a series of rich and practical functions,provides flexible screen control and high quality image display, and it could be perfectly applied to the led screen with various specifications.

Application Scenarios

Yake MVB16S with powerful video processing and sending ability which has been widely used in various application scenarios such as: Stage, Conference,Event, Exhibition ,High-end Rental and Small Pixel Pitch Led Displays.

2 Function Introduction

✧ *The maximum loading capacity could reach up to 10.4 million pixels, widest:4092/ highest:4092*

✧ *The maximum input resolution:4096x2160@60Hz, it supports to have the EDID management.*

✧ *High Definition Digital Signal Interface, including: 1x HDMI 2.0,1x DVI,3x HDMI, 1x DP 1.2.*

✧ *It supports to arbitrary switch the video source, and it can splice,scale the inputted images according to the resolution of the led screen.*

✧ *The software and hardware could be operated simultaneously.*

✧ *It supports to have 8 display windows displayed simultaneously, and the position,size could be freely adjusted.*

✧ *It supports to adjust the brightness and color temperature,and supports the low brightness with high gray scale.*
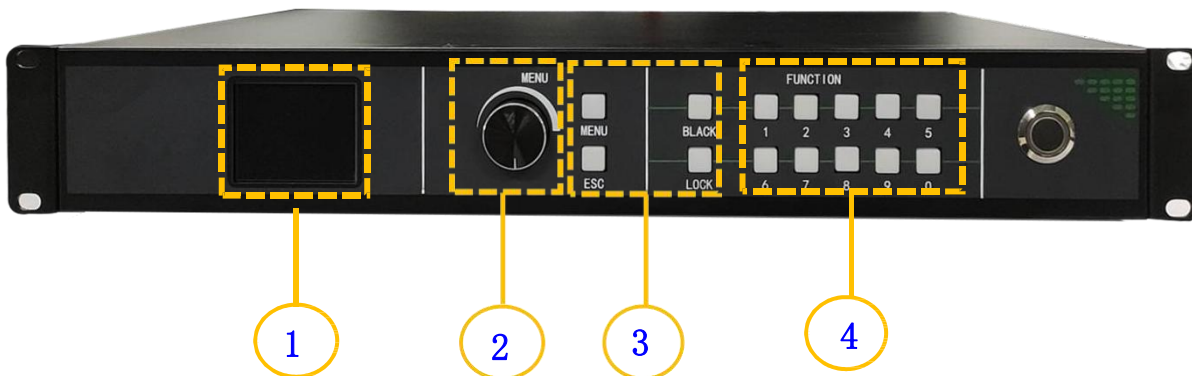
3Product Parameters

Basic Parameters

Loading Capacity	1 Network Port	650 thousand pixels
	1 unit (entire unit)	10.4 million pixels
Widest Pixels	1 Unit	4092 Pixels
Highest Pixels	1 Unit	4092 Pixels

Hardware Introduction

Front Panel

Front Panel Illustration

Front Panel Illustration		
#	**Name**	**Illustration**
1	LCD Indicator	To show the current status of the device and to set the menu item parameters
2	Rotating Knob	When it's in the Main Interface,Press the Knob to enter the Menu Operation Interface. When in the Menu Operation Interface,rotate the knob to select the menu,press the knob to select the current menu or enter sub-menu After selecting the menu with parameters, turn the knob to adjust the parameters. After the adjustment is complete, press the knob to confirm the application
3	Function Keys	MENU, ESC, BLACK, LOCK,
4	Numeric Keys	To select the application mode

Backside Panel

Input Interface		
Interface	**QTY**	**Illustration**
HDMI2.0	1	*it is confirmed to HDMI2.0 standards, supports 4096×2160@60Hz*
DP1.2	1	*1x DP1.2S input It is confirmed to DP1.2 standards, supports 4096×2160@60Hz*
HDMI1.3	3	*It supports 1920×1200@60Hz*
DVI	1	*VESA Standards（supports 1920×1200@60Hz），supports HDCP*
Output Interface		
Interface	**QTY**	**Illustration**
Network Ports	16	*The maximum loading capacity could reach up to 10.4 million pixels, widest 4092 pixels/highest 4092 pixels,and it could supports the arbitrary splicing.*
Control Interface		
Interface	**QTY**	**Illustration**
RJ45	1	*100 Megabyte Network Port, to control the device via the internet*
RS232	1	*serial port, to control the device via the serial port*
3D-SYNC	1	*3D Synchronous Port，to get the 3D Effect Display*
Power Interface		
Interface	**QTY**	**Illustration**
Power Port	1	*AC-100-240V-50/60HZ AC Power Port*

Dimensions
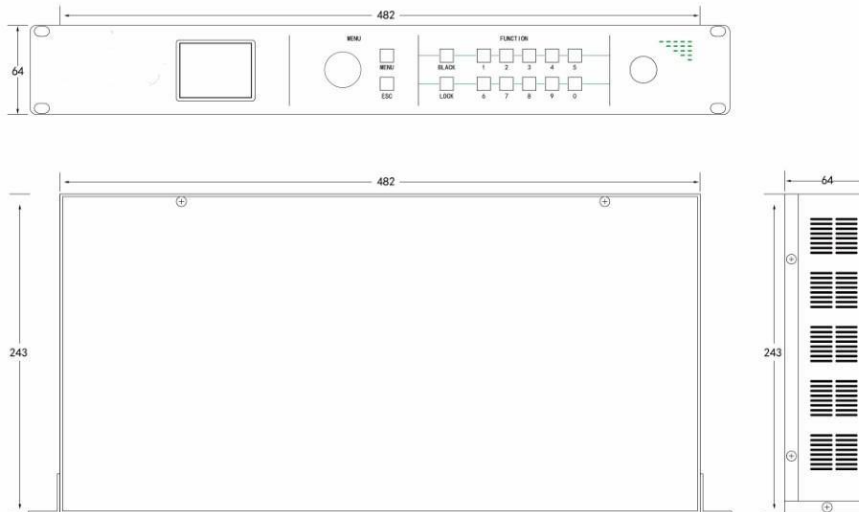
4Product Specifications

Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	36W
Operating Environment	Operating Temperature	-20℃ - 70℃
	Operating Humidity	10%RH-80%RH No Solidification
Dimensions	482mmX243mmX64mm(Length x Width x Height)	
Net Weight	2.9Kg	
Packaging	1 x MVB16S. Peripherals: 1x USB Cable, 1x DVI Cable, 1x DP Cable. 1x HDMI.	

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.