

# AMS-MS4K Series

AMS-MS4K     Standard  
 AMS-MS4KS     Expanding SDI Input  
 AMS-MS4KU     Expanding USB Input

4K Input Multi-window Splicer  
 2 Group Of 4-Channel 8 DVI Output  
 2 Layers Can Arbitrary Cross-zone  
 Maximum Open To 4 Windows  
 Support Layer Mirror Rotation

Largest Splicing Resolution:

15360x640@60Hz、4608x2304@60Hz

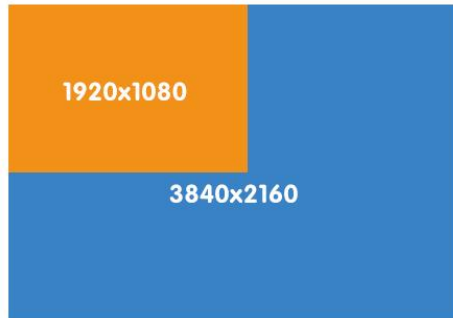
3072x3072@60Hz、960x8640@60Hz

- ▶ Support 3840\*2160@60Hz Input
- ▶ Single Machine Controls 10.5 Million Pixels
- ▶ Support Seamless Switching
- ▶ Image Rotation And Mirror Function
- ▶ DVI Port Monitoring Total Output
- ▶ Customized Input EDID
- ▶ Support Custom Output Resolution
- ▶ Support One Key Black Or Freeze Function
- ▶ Support Timed Loading Scenarios
- ▶ Support Timed LED Screen On/Off
- ▶ 10 Mode Saved And Recall
- ▶ Support SDI Or USB Input (Optional)
- ▶ Built-in 11 Testing Patterns
- ▶ Synchronization Audio Decoding Output
- ▶ Support Upper-Computer Control



# Main Function Application

## ■ 4K Ultra High-definition Input



Support 4K\*2K Input



4K@60Hz Picture Quality Better

## ■ Image Rotation And Mirror Function



Normal Input



90°



180°



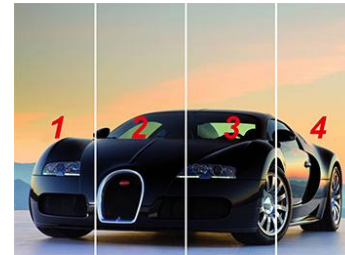
270°



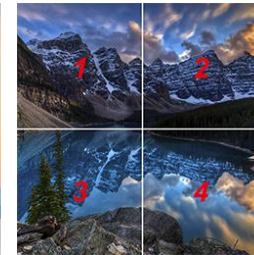
Horizontal Mirror

## ■ Mightiness Hardware Splicing Core

Custom Resolution Output, The Longest Can Be To 15360 Pixels, The Highest Can Be To 8640 Pixels.



Horizontal Splicing



2\*2 Splicing



Vertical Splicing

## ■ Windows Arbitrary Scaling And Roaming



2 Layers Can Arbitrary Cross-zone  
Maximum Open To 4 Windows



# Front And Real Panel

## Menu Operation

OK: Confirmation Button  
ESC: Return Operation Key  
Knob: Adjust Menu Parameters

## LED Display Screen

Displaying Data&Providing Human-machine

## Input Signal Source

The First Opens The Layer Switch,Then Selects The Layer To Control, And Selects The Corresponding Input Signal Source:  
HDMI1、HDMI2、HDMI3、DP、VGA、DVI1、DVI2、SDI/USB;  
BLACK: One Key Black Screen ;  
Test: Testing Function, 11 Test Patterns Are Built-in The Machine;

**FREEZR:** One Key Windows Freeze

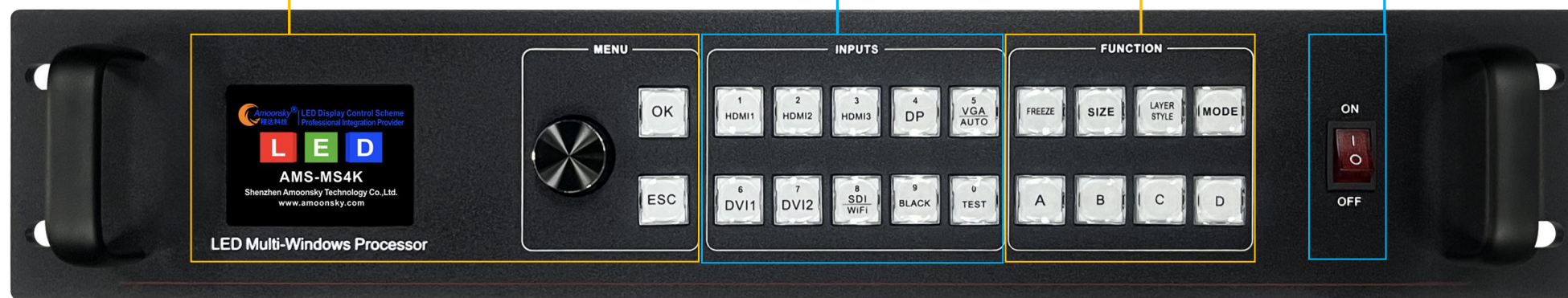
**SIZE:** Control Layer Size

**Layer Style:** Layer Mode

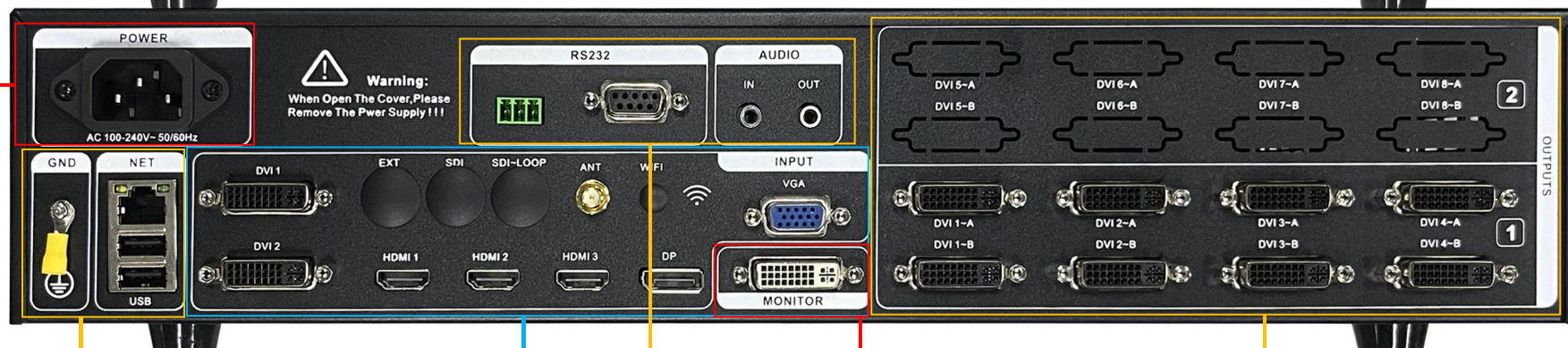
**Mode:** Mode Recall Button

**A、B、C、D:** Select The Layer To Be Operated

**Power Switcher**



**Power Connector**



**GND:** Earthing Terminal;  
**Net:** Upper Computer Port ;  
**USB:** For Program Upgrade  
( Intermediate Port )

## Input Signal Connector:

The Input Signal Source Is: 2 DVI, 3 HDMI, 1 DP, 1 VGA, 1 SDI/1 USB(Expand);  
WiFi & Ant Are Reserved For Expansion!

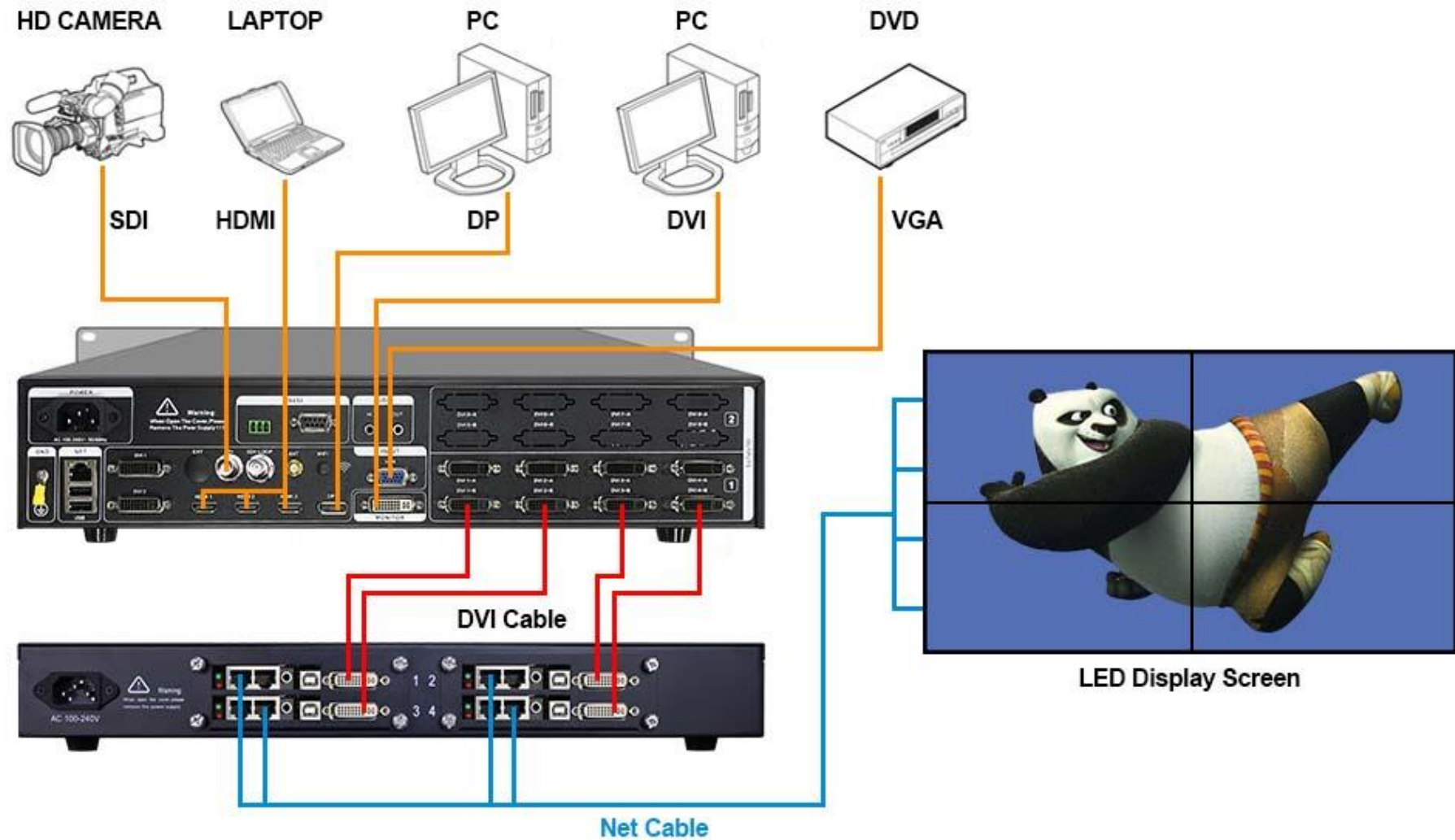
**RS232:** Factory Program Used;  
**Audio In:** DVI/  
**VGA** Audio Input;  
**Out:** Audio Output;

## Monitoring Output

## Output Connector:

MS4K: Have 4 Channel Outputs (1, 2, 3, 4), Each Channel Has 2 DVI-I Connectors.  
MS16K: Have 8 Channel Output (1, 2, 3, 4, 5, 6, 7, 8) ;

# Topological Graph



# Specifications

## DP Input

Quantity	1
Connector	DP
Signal Standard	DVI 1.2
Supported Resolutions	VESA, 3840*2160@60Hz, Customized EDID;

## HDMI Input

Quantity	3
Connector	HDMI
Signal Standard	HDMI 1 & HDMI 2 (HDMI1.4) , HDMI 3 (HDM2.0) ;
Supported Resolutions	VESA, 3840*2160@30/60Hz, 2560*1600@30Hz, Customized EDID;

## DVI Input

Quantity	2
Connector	DVI-I
Signal Standard	DVI 1.0, HDMI 1.4
Supported Resolutions	VESA, 3840*2160@30Hz, 1920*1200@60Hz, Customized EDID;

## VGA Input

Quantity	1
Connector	VGA-DB15
Signal Standard	R、 G、 B、 Hsync、 Vsync:0 to1Vpp±3dB (0.7V Video+0.3v Sync ) 75 ohm black level: 300mV Sync-tip: 0V ;
Supported Resolutions	VESA, PC to 1920x1200

## Audio Input / Output

Input Quantity	1
Output Quantity	1
Connector	3.5 Audio Mouth , Stereo Interface ;
Signal Standard	Digital / Analog

## 3G-SDI Input (Option)

Quantity	1 (Expanding)
Connector	BNC
Signal Standard	SD-SDI , HD-SDI , 3G-SDI;
Supported Resolutions	1080p 60/50/30/25/24/25(PsF)/24(PsF) , 720p 60/50/25/24 , 1080i 1035i , 625/525 line ;

# Specifications

## DVI Output

Quantity	4 Channels 8 DVI + 1 Monitoring Output		
Connector	DVI-I		
Signal Standard	DVI 1.0		
Supported Resolutions	1024×768@60Hz	1920×1080@60Hz	Custom Resolution:
	1280×720@60Hz	1920×1200@60Hz	1 Channel:2.65 Million Pixels
	1280×1024@60Hz	2048×1152@60Hz	4 Channels:10.5 million Pixels
	1440×900@60Hz	2304×1152@60Hz	DVI 1&2, DVI 3&4 Outputs Are
	1536×1536@60Hz	2560×816@60Hz	Matched By Group, And The
	1600×1200@60Hz	3840×640@60Hz	Resolution Should Be
	1680×1050@60Hz	1024×1920@60Hz	Consistent!

## Whole Machine

Machine Weight	8.0kg
Packing Weight	11.5kg
Size (mm)	Machine Size (Including Interfaces): 485mm (L) X 350mm (W) X 99mm (H) Packing Size: 550mm (L) X 460mm (W) X 205mm (H)
Power Supply	100VAC – 240VAC 50/60Hz
Maximum Power	75 W
Temperature	0°C~55°C
Storage Humidity	10%~90%
Type	AMS-MS4K (Standard)
	AMS-MS4KS (Expanding SDI Input)
	AMS-MS4KU (Expanding USB Input)

