

AMS-MS16K Series

AMS-MS16K_C Standard
 AMS-MS16KS_C Expanding SDI Input
 AMS-MS16KU_C Expanding USB Input

4K Input Multi-window Splicer
 4 Group Of 8-Channel 16 DVI Output
 2 Layers Can Arbitrary Cross-zone
 Maximum Open To 4 Windows
 Support Layer Mirror Rotation

Largest Splicing Resolution:

30720x640@60Hz、9216x2304@60Hz

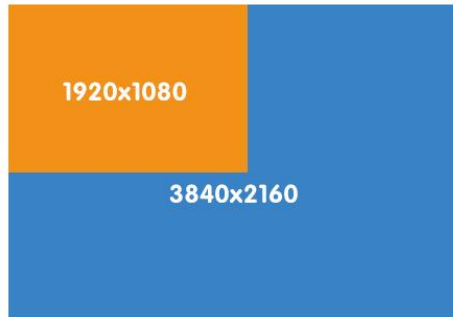
6144x3072@60Hz、1920x8640@60Hz

- ▶ Support 3840*2160@60Hz Input
- ▶ Single Machine Controls 21.0 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



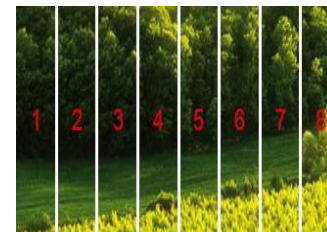
Support 4K*2K Input



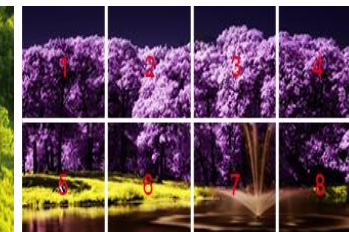
4K@60Hz Picture Quality Better

■ Mightiness Hardware Splicing Core

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



Horizontal Splicing



4*2 Splicing



Vertical Splicing

■ Image Rotation And Mirror Function



Normal Input



90°



180°

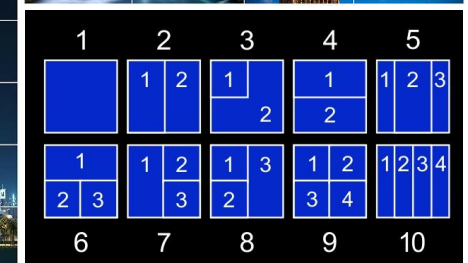
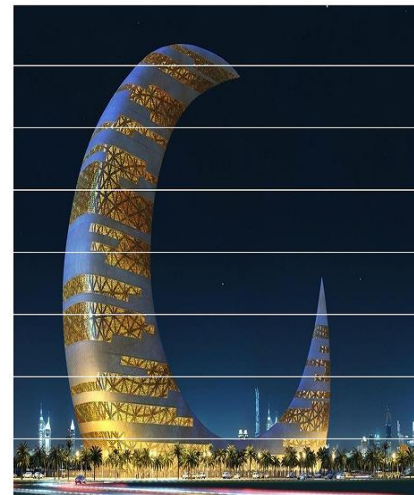


270°



Horizontal Mirror

■ 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;

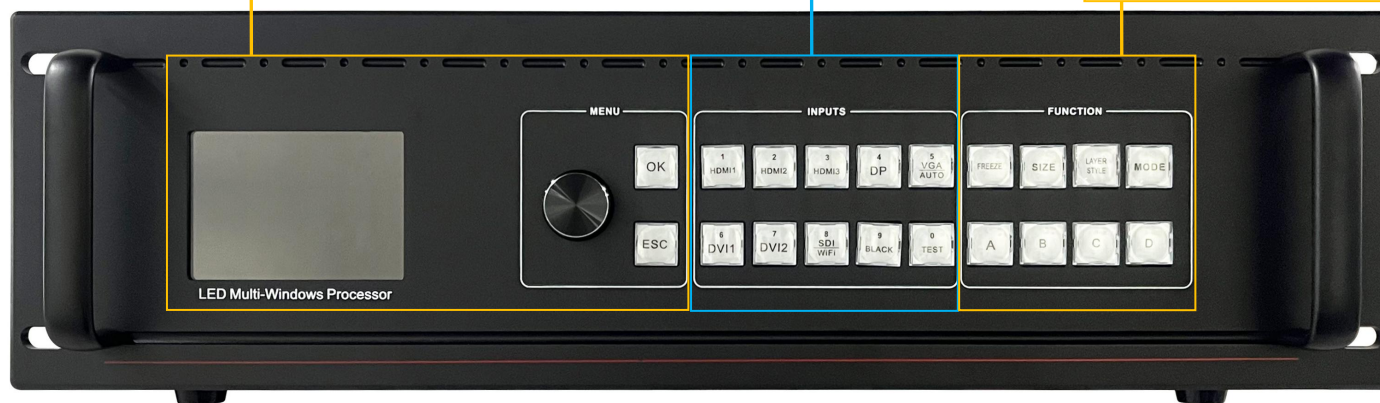
FREEZR: One Key Windows Freeze

SIZE: Control Layer Size

Layer Style: Layer Mode

Mode: Mode Recall Button

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



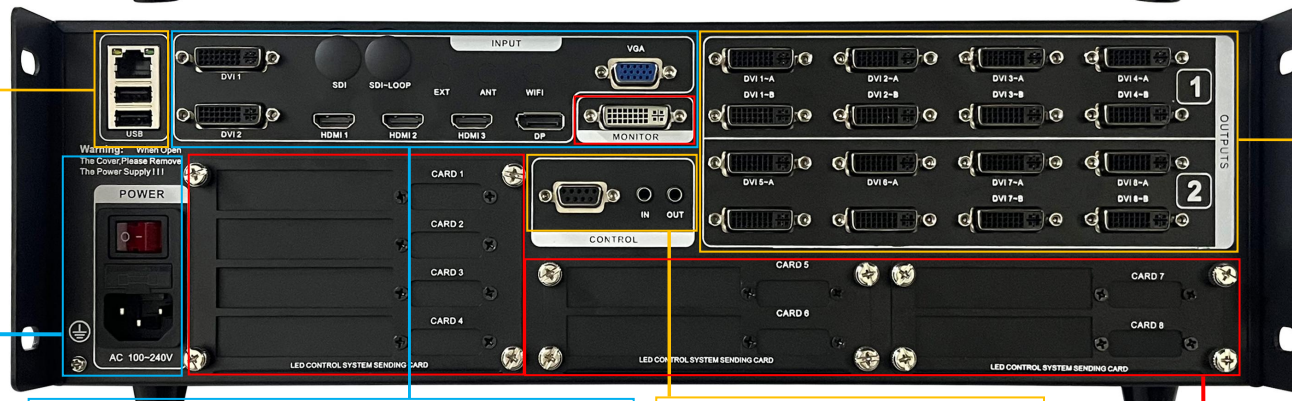
Net:

Upper Computer Port ;

USB:

For Program Upgrade
(Intermediate Port)

Power Switch
Power Connector
Fuse



Output Connector:

MS16K_C: Have 8 Output Channel (1, 2, 3, 4, 5, 6, 7, 8), Each Channel Has 2 DVI-I Connectors;
MS4K_C: Have 4 Channel Outputs (1, 2, 3, 4) ;

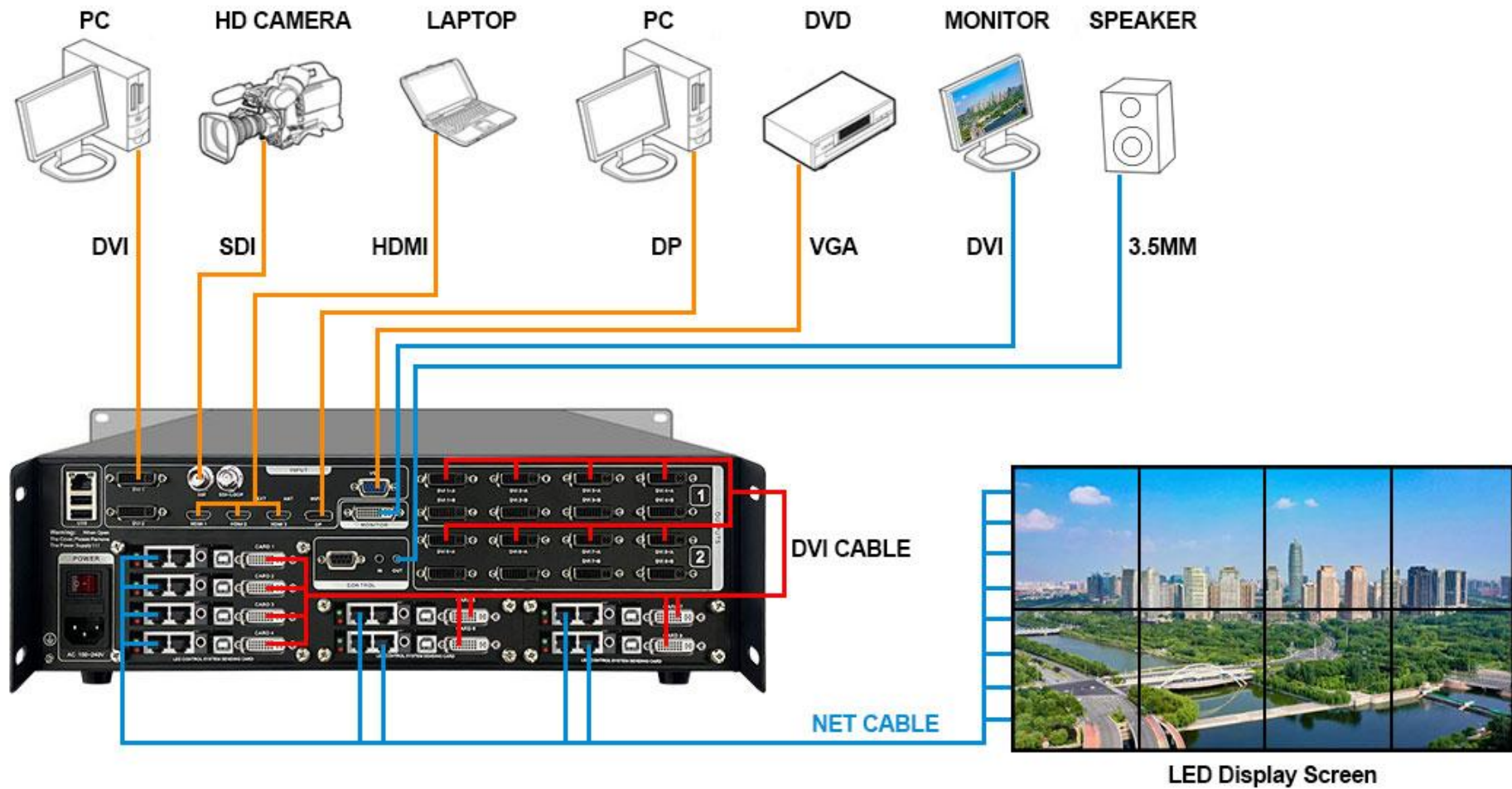
Input Signal Connector: The Input Signal Source Is:
2 DVI, 3 HDMI, 1 DP, 1 VGA, 1 SDI/1 USB(Expand);
WiFi & Ant Are Reserved For Expansion!

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

Install The Sending Card Slot

MS16k_C Supports Built-in 8 Standard Sending Cards

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 ;

DVI Output

Quantity	8 Channels 16 DVI + 1 Monitoring Output		
Connector	DVI-I		
Signal Standard	DVI 1.0		
Supported Resolutions	1024×768@60Hz	1920×1080@60Hz	Custom Resolution: 1 Channel:2.65 Million Pixels 8 Channels: 20.1 Million Pixels DVI 1&2, DVI 3&4, DVI 5&6, DVI 7&8 Outputs Are Matched By Groups, And The Output Resolution Of The Same Group Need To Be Consistent!
	1280×720@60Hz	1920×1200@60Hz	
	1280×1024@60Hz	2048×1152@60Hz	
	1440×900@60Hz	2304×1152@60Hz	
	1536×1536@60Hz	2560×816@60Hz	
	1600×1200@60Hz	3840×640@60Hz	
	1680×1050@60Hz	1024×1920@60Hz	

Whole Machine

Machine Weight	9.0 Kg
Packing Weight	14.0 kg
Size (mm)	Machine Size (Including Interfaces): 485mm (L) X 390mm (W) X 145mm (H) Packing Size: 550mm (L) X 5150mm (W) X 235mm (H)
Power Supply	100VAC – 240VAC 50/60Hz
Maximum Power	175W (100W-5V/20A + 75W-12V/6A)
Temperature	0°C~55°C
Storage Humidity	10%~90%
Type	AMS-MS16K_C (Standard) AMS-MS16KS_C (Expanding SDI Input) AMS-MS16KU_C (Expanding USB Input)

