

**VISSONIC**  
**VPS-0808-4K**  
**Fixed Seamless**  
**Switching**  
**Matrix**



# VISSONIC VPS-0808-4K Fixed Seamless Switching Matrix Instruction Manual

[Home](#) » [VISSONIC](#) » VISSONIC VPS-0808-4K Fixed Seamless Switching Matrix Instruction Manual 

## Contents

- [1 VISSONIC VPS-0808-4K Fixed Seamless Switching Matrix](#)
- [2 introduction](#)
- [3 Functional characteristics](#)
- [4 Packaging List](#)
- [5 Product Appearance](#)
- [6 Serial Port Definition](#)
- [7 technical parameter](#)
- [8 Dimensional drawing](#)
- [9 Documents / Resources](#)
  - [9.1 References](#)

**VISSONIC**

## VISSONIC VPS-0808-4K Fixed Seamless Switching Matrix



This article applies to the following types of fixed seamless matrices:

Numb er	name	Panel color	height	Maximum nu mber of input channels	Maximum nu mber of outp ut channels	source
one	4×4 fixed seamless switching matrix	black	IU	four	four	DCSV
two	8×8 fixed seamless switching matrix	black		eight	eight	DC12V
three	16×16 fixed seamless switchin g matrix	black		sixteen	sixteen	

## introduction

### Product Introduction3

Fixed seamless switching matrix is a professional 4K high-definition fixed seamless switching matrix that supports multiple HDMI inputs and outputs. Input and output support HDMI.4, with a maximum output resolution of 3840x2160@30Hz. The device control methods are flexible and diverse, including bidirectional serial port control, panel button control, etc. The product has intelligent EDID management to ensure compatibility with signal sources and operations in various application scenarios. This series of products is suitable for multimedia conference rooms, lecture halls, multifunctional halls, performing arts halls, electronic classrooms, exhibition displays, command centers, and other places.

### Functional characteristics

- Support seamless and fast switching from multiple inputs to multiple outputs;
- Support multiple fixed splicing modes;
- Supports input and output, supports HDMI1.4, with the highest resolution 3840x2160@30Hz;
- The color space supports RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2, etc.;
- Enter? built-in ED IDs, 1920×1080@60Hz Dual channel (default), supports custom EDID;
- Input compatible DVI/HDMI signals; 9 default output resolutions are optional;
- The output signal format supports HDMI and DVI;
- Support power-off memory function;
- Supports continuous hot swapping of HDMI interfaces;
- Supports standby and low-power standby;
- Supports bidirectional serial port control, panel button control, and optional network port control; 19-inch standard cabinet installation chassis with a height of 1 U;

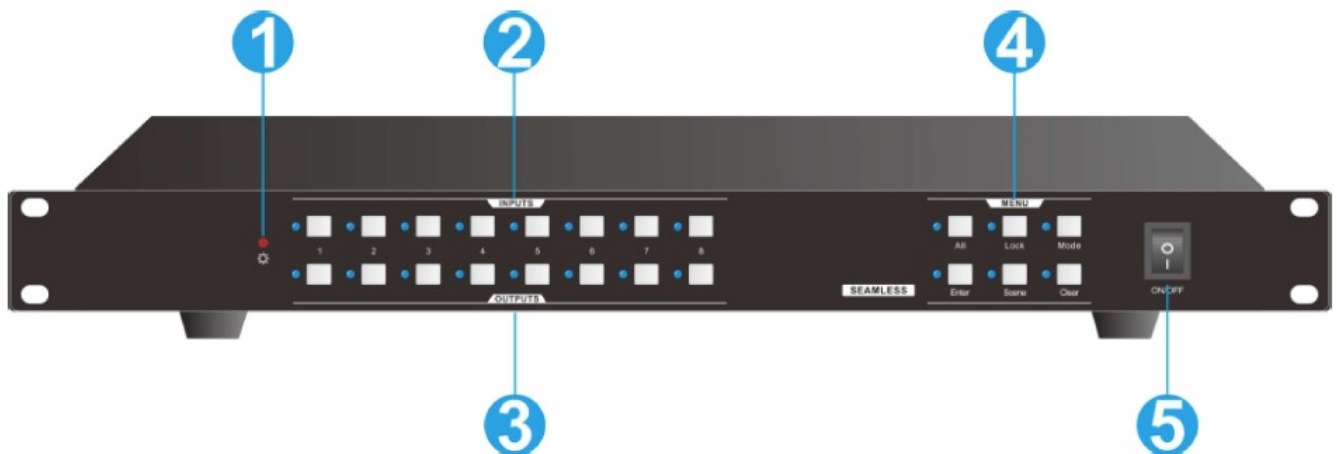
### Packaging List

<ul style="list-style-type: none"> <li>▶ 1 x host</li> </ul>	<ul style="list-style-type: none"> <li>▶ 1 x Certificate of Conformity&amp;Warranty Card</li> </ul>
<ul style="list-style-type: none"> <li>▶ 1 x serial cable</li> <li>▶ 1 x power adapter</li> </ul>	<ul style="list-style-type: none"> <li>▶ 1 x power adapter</li> </ul>

**Explanation:** This machine is strictly packaged before leaving the factory. Before using the product, please confirm whether the ordered product and accessories are damaged, deformed, or missing. If there is any damage, discrepancy or missing, please contact the product supplier.

## Product Appearance

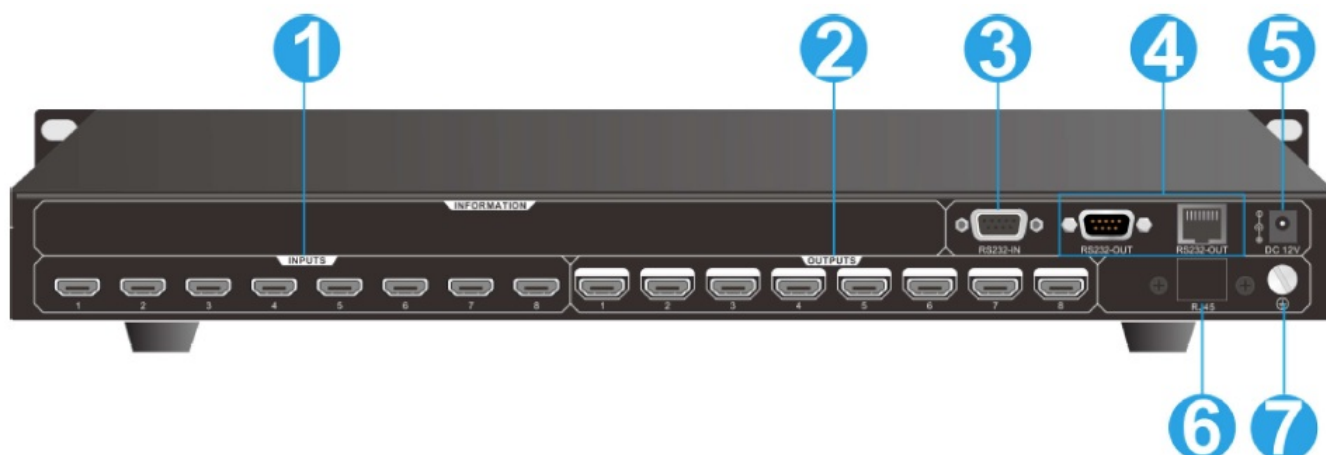
### front panel



Number	name	describe
CD	Power indicator light	<ul style="list-style-type: none"> <li>The equipment is working normally, and the indicator light is always red;</li> <li>In standby mode, the indicator light is off;</li> <li>Power off, indicator light goes off</li> </ul>
Inputs		I • White input channel switch button;
OUTPUTS		I • White output channel switch button;
	MENU function button area	<ul style="list-style-type: none"> <li>All: Select All button</li> <li>Switch all input signals to all output channels;</li> </ul>
		<ul style="list-style-type: none"> <li>Lock:</li> <li>Lock: Press and hold the lock button for 3 seconds;</li> <li>Unlock Press and hold for 3 seconds to unlock the button;</li> </ul>
		<ul style="list-style-type: none"> <li>Mode: Scene saving</li> <li>Mode+IN numerickeycombination+Enter=Scene save,</li> </ul>
		<ul style="list-style-type: none"> <li>Enter:</li> <li>Command confirmation button;</li> </ul>
		<ul style="list-style-type: none"> <li>SCENSE: Scene call button, calling scene;</li> </ul>
		<ul style="list-style-type: none"> <li>CLEAR: Clear button to clear an unfinished action.</li> </ul>
	ON/OFF switch	<ul style="list-style-type: none"> <li>Power on/off</li> </ul>

**Attention:** The product images are for reference only, please refer to the actual product.

### Rear panel

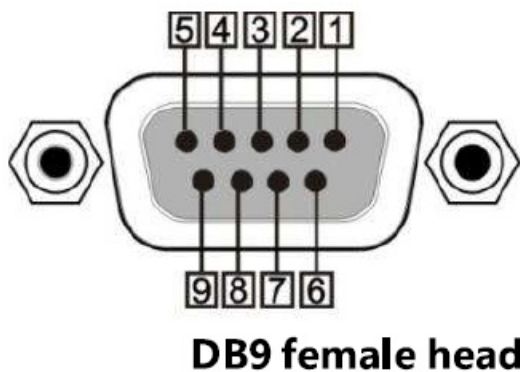


Number	name	describe
1	Input	<ul style="list-style-type: none"> <li>HDMI input port, connected to HDMI signal source, automatically detects connection status;</li> </ul>
2	OUTPUT	<ul style="list-style-type: none"> <li>HDMI output port, connect to display, automatically detect connection status;</li> </ul>
3	RS232-IN	<ul style="list-style-type: none"> <li>Connect control devices, such as PC computers, and control the local computer through upper computer software;</li> </ul>
4	RS232-OUT	<ul style="list-style-type: none"> <li>Connect other peripherals, such as matrices, splicers, etc., and control the peripherals; Choose between Ethernet port and DB9</li> </ul> <p>Note: 16×16 without control network port</p>
5	Power interface	<ul style="list-style-type: none"> <li>Connect the power supply DC5V;</li> </ul>
6	RJ45	<ul style="list-style-type: none"> <li>Optional, enhanced support for network control.</li> </ul>
7	Grounding terminal	<ul style="list-style-type: none"> <li>Grounding terminal</li> </ul>

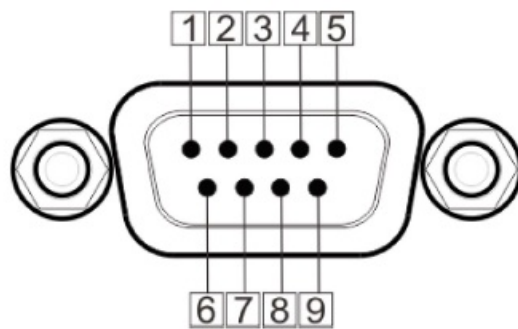
**Attention:** The product images are for reference only, please refer to the actual product.

## Serial Port Definition

The host is connected to the control computer and can be controlled through RS232 serial port software. The RS232 IN port is a 9-pin female connector, and the RS232 OUT port is a 9-pin male connector; The RS232 OUT port is a network port, and the pin description is as follows:



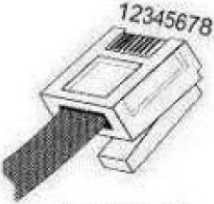
Pin	name	function
one	N/u	empty
two	Tx	send
three	Rx	receive
four	N/u	empty
five	Gnd	Public areas
six	N/u	empty
seven	N/u	empty
eight	N/u	empty
nine	N/u	empty



**DB9 male head**

Pin	name	function
one	N/u	empty
two	Rx	receive
three	Tx	send
four	N/u	empty
five	Gnd	Public areas
six	N/u	empty
seven	N/u	empty
eight	N/u	empty
nine	N/u	empty

technical parameter

 RJ45 插头	Pin	color	name	function
	one	Orange white	N/u	empty
	two	orange	Tx	empty
	three	Green and white	Rx	TX sending
	four	blue	N/u	Public areas

4. technical parameter	five		Blue and white	God	Public areas
	six		green	N/u	RX reception
	seven		Brown white	N/u	empty
	eight		Brown	N/u	empty
	0404		0808		one thousand six hundred and sixteen
Input signal	(4) Road HDMI		(8) Road HDMI		(16) Road HDMI
Input connector	Type A 19-pin female head				
Input resolution	highest 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2				
output signal	(4) Road HDMI		(8) Road HDMI		(16) Road HDMI
Output connector	Type A 19-pin female head				

Output resolution	highest 4K@30Hz RGB4:4:4,
HDMI standard	HDMI.4
HDMI embedded audio	PCM

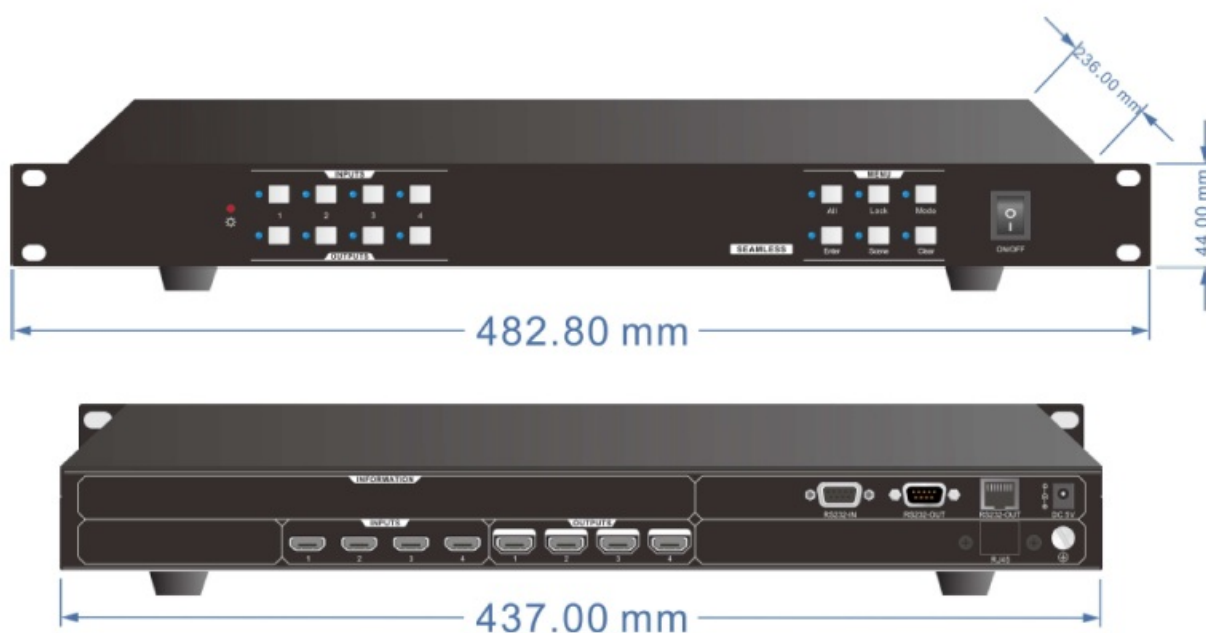
control



Control Port	(2) RS232, (1) Ethernet port		
Port connector	(1) DB9 RS232 input female connector, (1) DB9 RS232 output male connector, (1) RJ45 232 output		
Keys	The white button supports switching and scene-calling		
routine			
transmission distance	1080P :;;; 15m; 4K :;;; 5m; 1080P fiber optic cable HDMI interface with a maximum length of 50m; 4K fiber optic cable HDMI interface with a maximum length of 30m;		
bandwidth	10.2Gbps		
working temperature	0 °C ~+40 °C		
Storage temperature	-10 °C ~ + 5 0 °C		
relative humidity	10%~90%		
source	DC 5V 1A	DC 12V 2A	DC12V 2A
Size (W * D * H)		437mm * 236mm * 44mm	
Net weight	kg	Approximately 2.3kg	Approximately 3.5kg

## Dimensional drawing

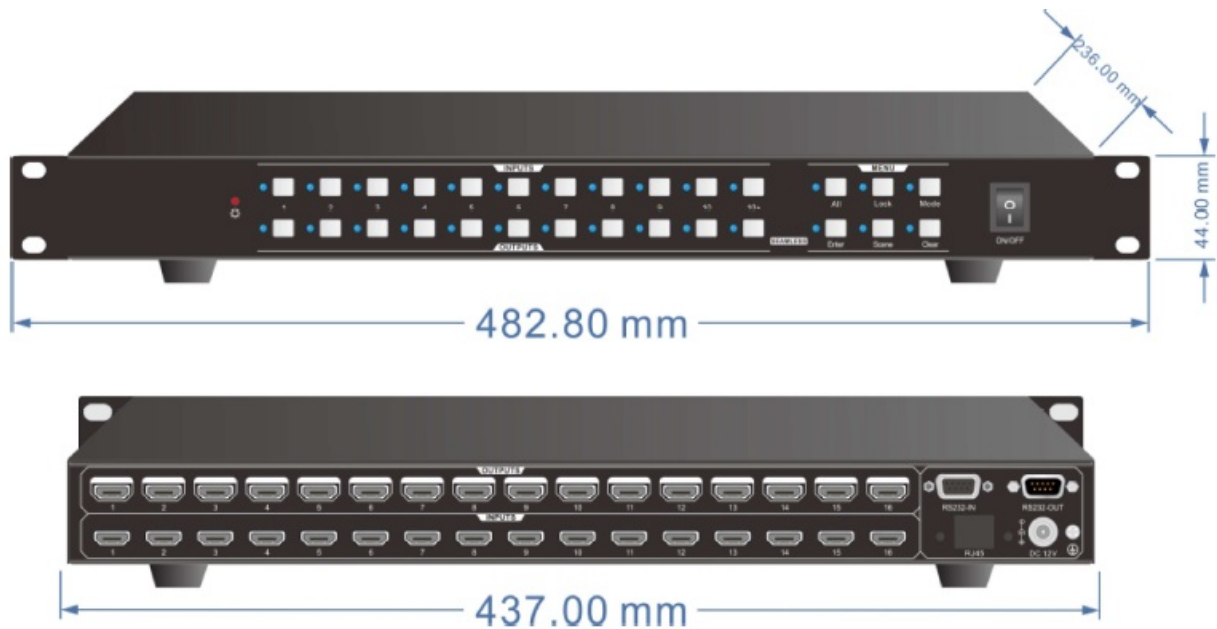
### 4×4 fixed seamless switching matrix




### 8×8 fixed seamless switching matrix



16×16 fixed seamless switching matrix



## Documents / Resources

<p>Fixed seamless switching matrix Specification sheet</p> 	<p><a href="#">VISSONIC VPS-0808-4K Fixed Seamless Switching Matrix</a> [pdf] Instruction Manual VPS-0808-4K Fixed Seamless Switching Matrix, VPS-0808-4K, Fixed Seamless Switching Matrix, Seamless Switching Matrix, Switching Matrix</p>
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## References

- [User Manual](#)

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