

LCS-8016HTP

16x16 Seamless HDMI Video Matrix

LCS-8016HTP Video Matrix is a professional 4K HD fixed seamless switching matrix, which supports multiple HDMI inputs and multiple HDMI outputs. The input and output support HDMI1.4, and the maximum output resolution is 3840x2160@30Hz. The equipment control mode is flexible and diverse, including bidirectional serial port control, button, RJ45 and other control. The product has intelligent EDID management to ensure compatibility with signal sources and operations in various application scenarios.

HD 4K | HDMI 1.4 | Seamless switching | Simple splicing

MAIN FEATURES

▲ Seamless Switching & Splicing

- Rapid Input/Output Transition: Enables quick and smooth switching between multiple sources and displays.
- Customizable Splicing Modes: Offers various fixed modes for diverse display requirements.

▲ High-Resolution Support & Compatibility

- High-Quality Video Standards: Supports HDMI 1.4 with resolutions up to 3840x2160@30Hz.
- Diverse Color Spaces: Compatible with RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2 formats.

▲ Output Efficiency & Format Options

- Flexible Output Port Design: Provides 9 pre-set resolutions for combination output ports.
- Dual Format Support: Output signal ports accommodate both HDMI and DVI formats.

▲ Input Versatility & Customization

- Multiple EDIDs: Includes 7 built-in EDIDs, with 1920x1080@60Hz as the default, and allows custom EDID settings.
- DVI/HDMI Signal Compatibility: Accepts a range of digital video interfaces.

▲ Operational Reliability & Power Management

- Memory Retention: Incorporates a power-off memory function for consistent operation.
- Hot Plugging Capability: Supports uninterrupted HDMI connection adjustments.
- Energy Efficiency: Implements standby mode and low power consumption features.

▲ Control and Installation

- Versatile Control Options: Offers bidirectional serial port control, keystroke, TCP/IP control.
- Standard Rack Installation: Designed for 1U height, 19-inch rack mounting, ensuring easy integration into standard server setups.

SPECIFICATION

POWER PARAMETERS

Power Supply:	DC 12V, 5A

INTERFACE PARAMETERS

Input Signal:	16× HDMI
Input Connectors:	Type A 19-pin female
Input Resolution:	Up to 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2
Output Signal:	16× HDMI
Output Connectors:	Type A 19-pin female
Output Resolution:	Up to 4K@30Hz RGB4:4:4
HDMI Standard:	1.4
HDMI Embedded Audio:	PCM
Analog Audio:	16× 3.5mm Audio Interfaces
Control Port:	2x RS232, 1x Ethernet port,
Port Connectors:	1x DB9 RS232 input female connector, 1x DB9 RS232 output male connector,
Keystroke:	White crystal buttons support switching and scene recall

MECHANICAL & ENVIRONMENT PROPERTIES

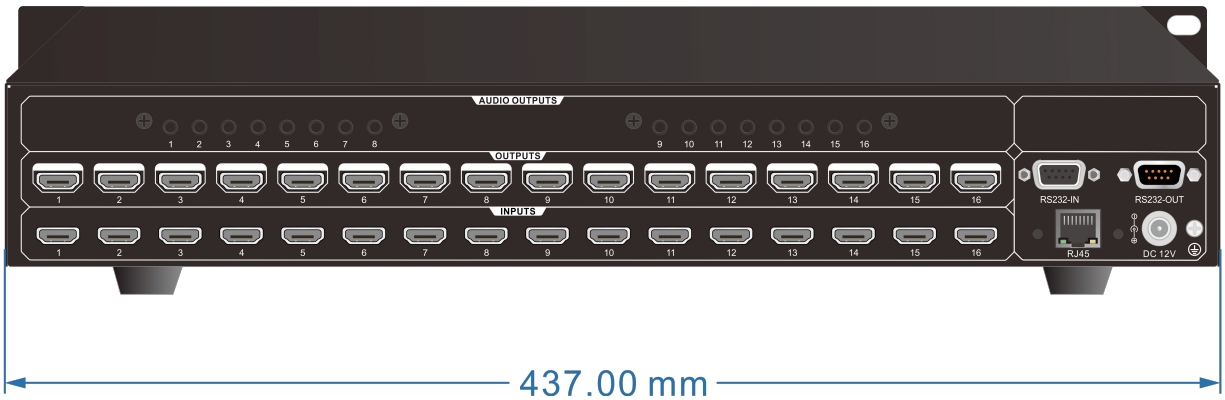
Transmission Distance:	The maximum size of 1080P standard wire is 15m 1080P optical fiber cable HDMI interface up to 50m
Operating Temperature:	0℃ ~ +40℃
Storage Temperature:	-10℃ ~ +50℃
Operating Humidity:	10% ~ 90%
Product Dimensions:	482.8(W)*236(D)*44(H) mm
Product Weight:	3.5kg
Product Warranty:	2 Years

ACCESSORIES

- 1x16x16 Seamless HDMI Video Matrix
- 4×Foot pads
- 1xPower Adapter (Optional)
- 1xRemote Controller
- 1xRS232 Serial cable
- 1×Quick Installation Guide
- 1×Warranty & Certification Card

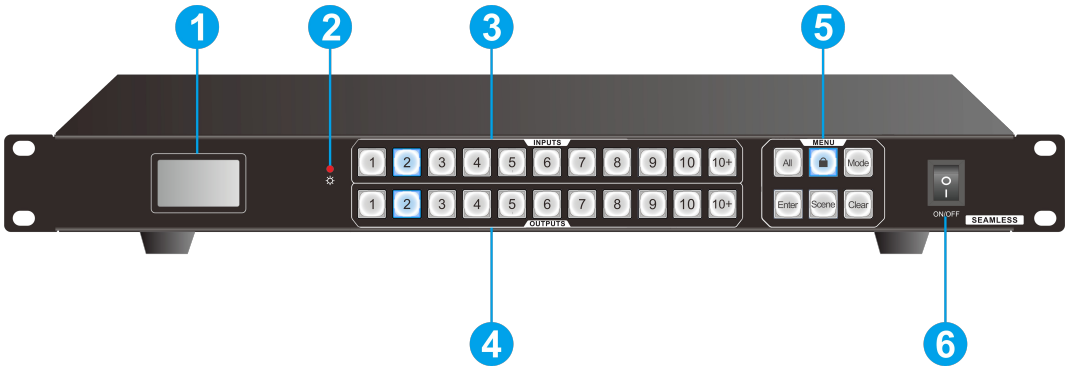
DIMENSIONAL DRAWING





INTERFACE DESCRIPTION

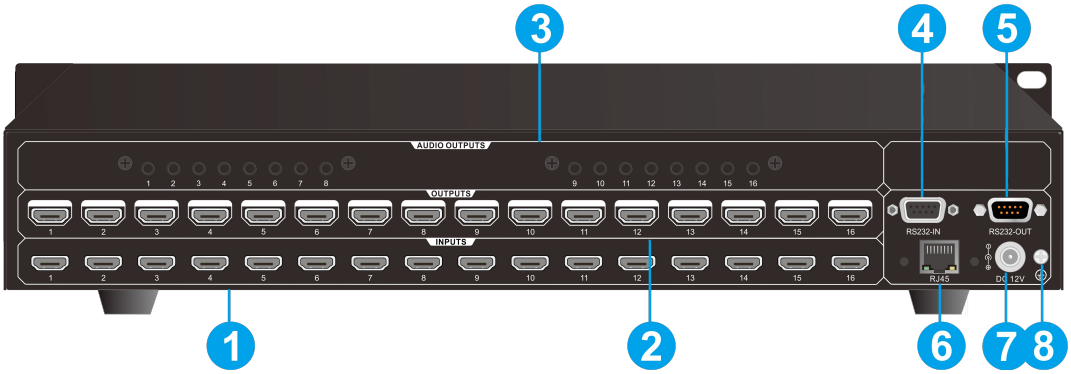
[Front Panel]



Serial number	Name	Description
①	LCD Display	· Display the real-time operation status of the system; · Support device signal and IP address display;
②	Power Indicator Light	· The device works normally, and the indicator light is always on red. · In the standby state, the indicator light is off; The power is off and the indicator light is off;
③	VIDEO INPUTS	· Input channel switch key;
④	VIDEO OUTPUTS	· Output channel switch button;
⑤	MENU Functional Key Area	· All：Select all buttons, Switch an input signal to all output channels;
		· Lock: Press and hold the lock button for 3 seconds; · Unlock: Long press for 3 seconds to unlock the key;
		· Mode：Scene preservation; · Mode+IN digital key combination+Enter=scene save;
		· ENTER：Command to confirm the key;
		· SCENE：Scene call; · SCENE+IN numeric key combination + Enter = scene call;
		· CLEAR: Clear the key and clear an unfinished action;
⑥	ON/OFF Switch	· Power On or Shut down the machine

INTERFACE DESCRIPTION

[Rear Panel]

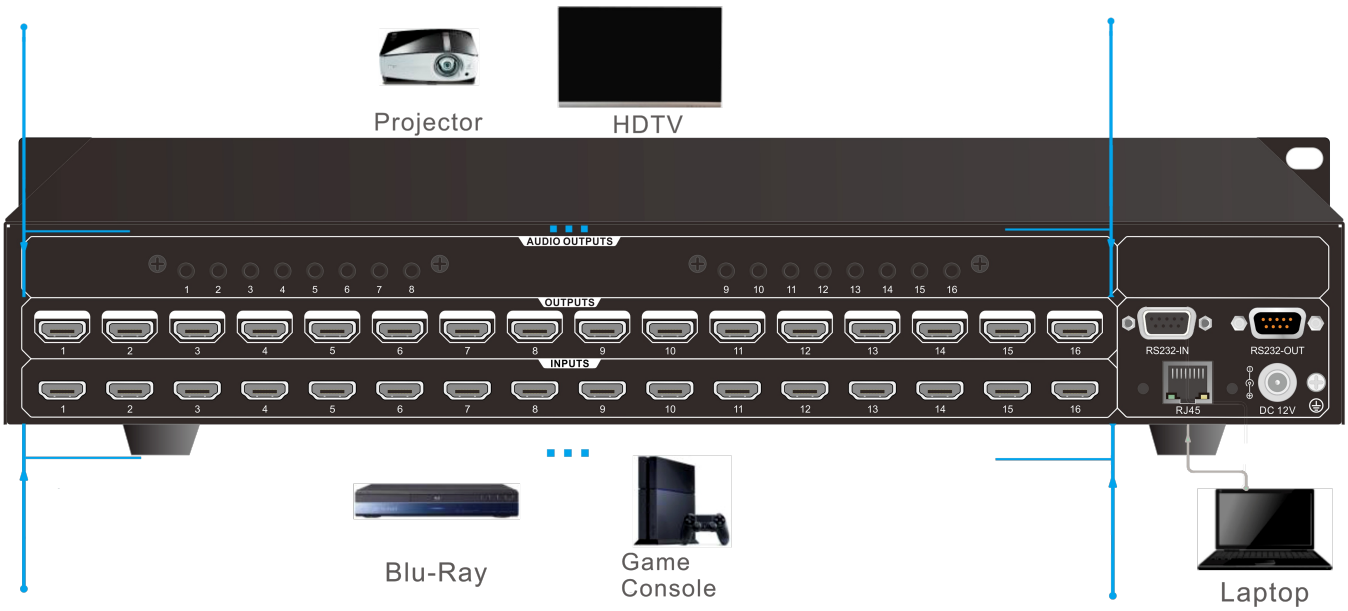


Serial number	Name	Description
①	VIDEO INPUT	· HDMI input port, connecting HDMI signal source, automatic detection of connection status;
②	VIDEO OUTPUT	· HDMI output port, connect the display, and automatically detect the connection status;
③	AUDIO OUTPUT	· 3.5 analog audio output port, corresponding to 16 HDMI outputs
④	RS232-IN	· Connect control devices, such as PC computers, and control the local machine through upper computer software;
⑤	RS232-OUT	· Connect other peripherals, such as matrix, splicer, etc., to control peripherals; by DB9 port
⑥	RJ45	· TCP/IP control;
⑦	Power	· Connect the power supply DC12V
⑧	Grounding Terminal	· Grounding terminal

CONNECTION DIAGRAM

Note:

- The installation and use environment of the system should be kept clean and tidy, with appropriate temperature and humidity, and good ventilation, and not blocking the heat dissipation holes;
- All power switches, plugs, sockets and power cords of the equipment in the system must be insulated safely;
- Connect the peripherals and finally power on the system.



Connection steps:

Step 1: Use an HDMI cable to connect HDMI Sources such as DVD to the HDMI input port in the inputs area;

Step 2: Connect the HDTV and other display devices with the HDMI output port in the outputs area with an HDMI cable;

Step 3: Use RS232 serial cable to connect the control device (e.g. PC) to the RS232 IN port;The machine can be controlled by command or host computer;

Step 4: Connect the power adapter to the power connector.

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