

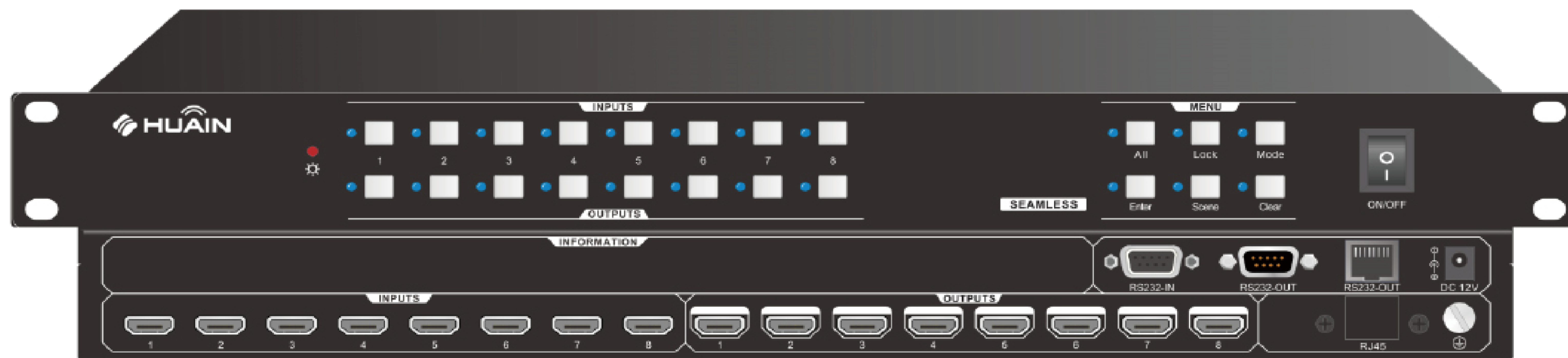
4K@30 HD 4×4 HDMI Matrix



HY-4KHDMI04

Functions and Parameters

- ◆ 1. Employs programmable logic array circuitry, allowing for arbitrary switching between input and output signals;
- ◆ 2. Supports 4-channel high-definition signal source input and 4-channel high-definition signal source output, using an HDMI female connector;
- ◆ 3. Supports simultaneous audio and video signal input and output, facilitating installation and maintenance;
- ◆ 4. ★ Adapts to various resolutions including 4K@30, 1920×1200@60, and below;
- ◆ 5. Compliant with HDCP standards and compatible with HDMI 1.4 Ensures that content-protected media can be displayed correctly;
- ◆ 6. Built-in digital buffer and signal compensation circuit, with automatic gain adjustment and long-distance transmission distortion compensation functions;
- ◆ 7. ★ Features 14 switching buttons, supporting quick switching operations, and independent status indicator lights for user convenience;
- ◆ 8. Built-in infrared receiver module, supporting infrared remote control switching function;
- ◆ 9. Features power-off memory function and on-site power failure protection function;
- ◆ 10. ★ Supports EDID management function;
- ◆ 11. Supports one-click quick query function for easy viewing of matrix switching status;
- ◆ 12. Features 1 RS232 input, 1 RS232 output, 1 TCP/IP, and 1 power switch;
- ◆ 13. Supports control via App software, serial port, etc. ;
- ◆ Technical Parameters:
 - ◆ Power Supply: DC 5V 1A
 - ◆ Input Signals: 4-channel HDMI
 - ◆ Input Resolution: Up to 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2
 - ◆ Output Signals: 4 HDMI output;
 - ◆ Output resolution: Up to 4K@30Hz, RGB 4:4:4;
 - ◆ HDMI embedded audio: PCM;
 - ◆ Control ports: 2 RS232 ports, 1 Ethernet port;
 - ◆ Dimensions: 483×236×45mm

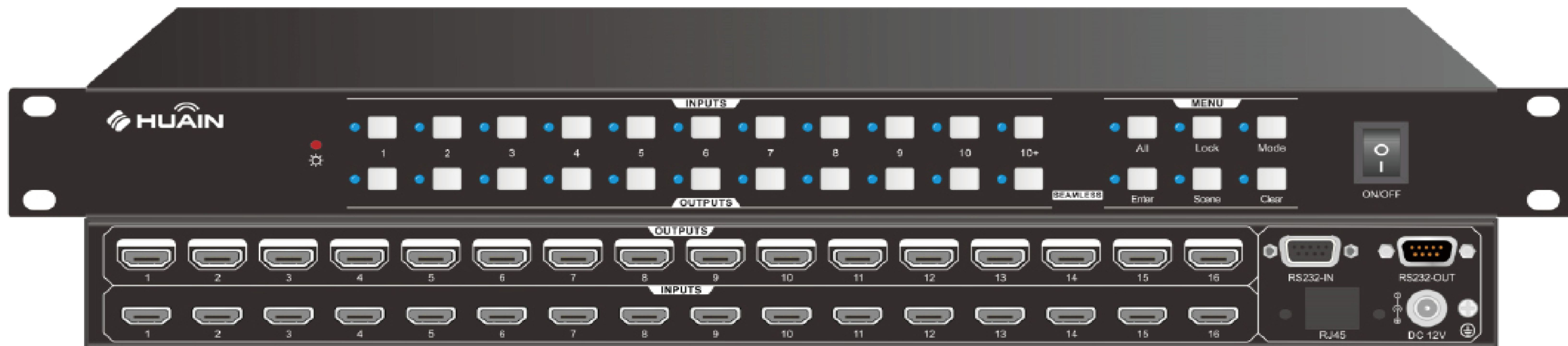


HY-4KHDMI08

Functions and Parameters

- ◆ 1. Employs programmable logic array circuitry, allowing for arbitrary switching between input and output signals;
 - ◆ 2. Supports 8-channel high-definition signal source input and 8-channel high-definition signal source output, using an HDMI female connector;
 - ◆ 3. Supports simultaneous input and output of audio and video signals, facilitating installation and maintenance;
 - ◆ 4. ★ Adapts to various resolutions including 4K@30, 1920×1200@60, and below;
 - ◆ 5. Compliant with HDCP standards and compatible with HDMI. 1.4 Ensures that content-protected media can be displayed correctly;
 - ◆ 6. Built-in digital buffer and signal compensation circuit, with automatic gain adjustment and long-distance transmission distortion compensation functions;
 - ◆ 7. ★ Features 22 switching buttons, supporting quick switching operations, and independent status indicator lights for user convenience;
 - ◆ 8. Built-in infrared receiver module, supporting infrared remote control switching function;
 - ◆ 9. Features power-off memory function and on-site power failure protection function;
 - ◆ 10. ★ Supports EDID management function;
 - ◆ 11. Supports one-click quick query function for easy viewing of matrix switching status;
 - ◆ 12. Features 1 RS232 input, 1 RS232 output, 1 TCP/IP, and 1 power switch;
 - ◆ 13. Supports control via App software, serial port, etc.
- ◆ Technical Specifications:
 - ◆ Power Supply: DC 12V 2A
 - ◆ Input Signals: 8-channel HDMI
 - ◆ Input Connector: Type A 19-pin female
 - ◆ Input Resolution: Up to 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2
 - ◆ Output Signals: 4-channel HDMI, (8)-channel HDMI, (16)-channel HDMI
 - ◆ Output Connector: Type A 19-pin female
 - ◆ Output Resolution: Up to 4K@30Hz RGB4:4:4
 - ◆ HDMI Embedded Audio: PCM
 - ◆ Control Ports: 2-channel RS232, 1-channel Ethernet
 - ◆ Dimensions: 483×236×45mm

4K@30 HD 16×16 HDMI Matrix



HY-4KHDMI16

Functions and Parameters

- ◆ 1. Employs programmable logic array circuitry, allowing for arbitrary switching between input and output signals;
 - ◆ 2. Supports 16-channel high-definition signal source input and 16-channel high-definition signal source output, using an HDMI female connector;
 - ◆ 3. Supports simultaneous audio and video signal input and output, facilitating installation and maintenance;
 - ◆ 4. ★ Adapts to various resolutions including 4K@30, 1920×1200@60, and below;
 - ◆ 5. Compliant with HDCP standards and compatible with HDMI 1.4 Ensures that content-protected media can be displayed correctly;
 - ◆ 6. Built-in digital buffer and signal compensation circuit, with automatic gain adjustment and long-distance transmission distortion compensation functions;
 - ◆ 7. ★ Features 28 switching buttons, supporting quick switching operations, and independent status indicator lights for user convenience;
 - ◆ 8. Built-in infrared receiver module, supporting infrared remote control switching function;
 - ◆ 9. Features power-off memory function and on-site power failure protection function;
 - ◆ 10. ★ Supports EDID management function;
 - ◆ 11. Supports one-click quick query function for easy viewing of matrix switching status;
 - ◆ 12. Features 1 RS232 input, 1 RS232 output, 1 TCP/IP, and 1 power switch;
 - ◆ 13. Supports control via App software, serial port, etc.
- ◆ Technical Specifications:
 - ◆ Power Supply: DC12V 5A
 - ◆ Input Signals: 16-channel HDMI
 - ◆ Input Connector: Type A 19-pin female
 - ◆ Input Resolution: Up to 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2
 - ◆ Output Signals: 16-channel HDMI
 - ◆ Output Connector: Type A 19-pin female
 - ◆ Output Resolution: Up to 4K@30Hz RGB4:4:4
 - ◆ HDMI Embedded Audio: PCM
 - ◆ Control Ports: 2-channel RS232, 1-channel Ethernet
 - ◆ Dimensions: 483×236×45mm

4-In-4-Out HD HDMI Matrix



Seamless 4K@30 Switching-Easy Splicing & Independent Audio Switching

HY-HDMI0404

Functions and Parameters

- ◆ 1. Programmable logic array circuit, allowing for arbitrary switching between input and output signals;
 - ◆ 2. 4-channel high-definition signal source input, 4-channel high-definition signal source output, HDMI female interface;
 - ◆ 3. Synchronous input and output of audio and video signals for easy installation and maintenance;
 - ◆ 4. ★ Adaptive to various resolutions including 4K@30, 1920×1200@60 and below;
 - ◆ 5. Compliant with HDCP standard and HDMI 1.4, ensuring proper display of content-protected media;
 - ◆ 6. Built-in digital buffer and signal compensation circuit, featuring automatic gain adjustment and long-distance transmission distortion compensation;
 - ◆ 7. ★ Equipped with 7 switching buttons for quick switching operation, offering multiple button color options for user convenience;
 - ◆ 8. Built-in infrared receiver module for infrared remote control switching function;
 - ◆ 9. Installation... 10. Equipped with a 160×32 high-brightness LCD display for real-time operation status display;
 - ◆ 11. Features power-off memory function and on-site power failure protection;
 - ◆ 12. Features automatic input synchronization signal detection function;
 - ◆ 13. ★ EDID management function;
 - ◆ 14. One-click quick query function for easy viewing of matrix switching status;
 - ◆ 15. RS-485 extended keyboard operation or PC computer professional software for quick switching settings;
 - ◆ 16. Features one RS-232 communication interface for computer control or programmable central control system control;
 - ◆ 17. Features one network expansion port for remote control via Ethernet, supporting simultaneous connection of up to 8 users;
 - ◆ 18. ★ Optional built-in central control module, providing app, iPhone, iPad, Android tablet, and mobile phone wireless control;
- ◆ Technical Specifications:
 - ◆ Power Supply: AC100V~240V, 50/60Hz
 - ◆ Input Interfaces: 4 HDMI-A female ports, 1 RS-232 port, 1 LAN port
 - ◆ Output Interfaces: 4 HDMI-A female ports
 - ◆ Signal Type: All-digital TMDS signal, EDID management
 - ◆ Resolution: Up to 4K@30Hz resolution, backward compatible
 - ◆ Maximum Transmission Latency: 5ns (±1ns)
 - ◆ Switching Speed: Less than 200ns (maximum time)
 - ◆ Maximum Power: 28W
 - ◆ Dimensions: 483×165×45mm

8-In-8-Out HD HDMI Matrix



Seamless 4K@30 Switching-Easy Splicing & Independent Audio Switching

HY-HDMI0808

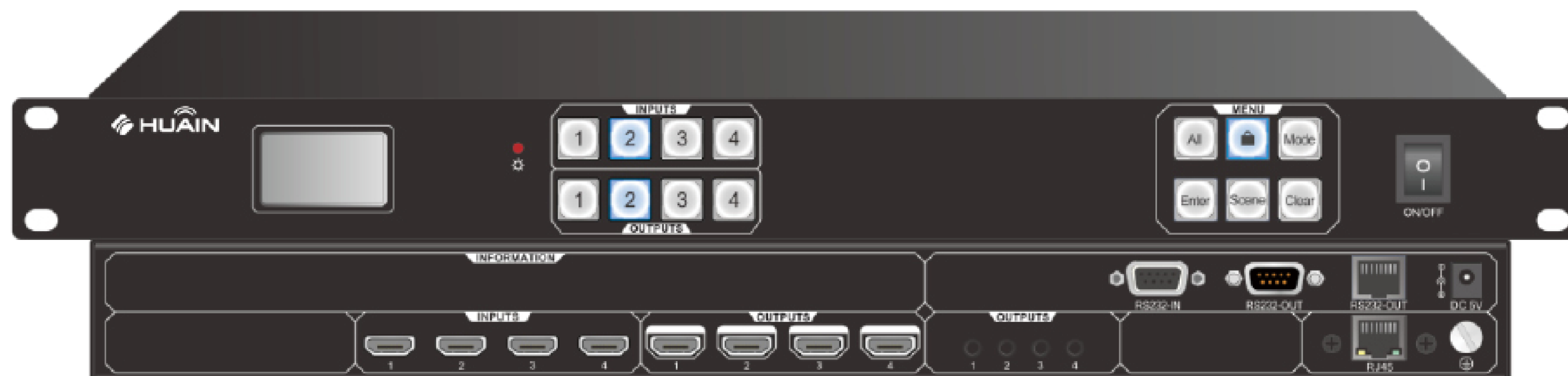
Functions and Parameters

- ◆ 1. Programmable logic array circuit, allowing for arbitrary interactive switching between input and output signals;
- ◆ 2. 8-channel HD signal source input, 8-channel HD signal source output, HDMI female interface;
- ◆ 3. Synchronous input and output of audio and video signals for easy installation and maintenance;
- ◆ 4. ★ Adaptive to various resolutions including 4K@30, 1920×1200@60 and below;
- ◆ 5. Compliant with HDCP standard and HDMI 1.4, ensuring proper display of content-protected media;
- ◆ 6. Built-in digital buffer and signal compensation circuit, featuring automatic gain adjustment and long-distance transmission distortion compensation;
- ◆ 7. ★ Equipped with 15 switching buttons for quick switching operation, offering multiple button color options for user convenience;
- ◆ 8. Built-in infrared receiver module for infrared remote control switching function;
- ◆ 9. Equipped with a 160×32 high-brightness LCD display for real-time operation status display;
- ◆ 10. Power-off memory function with on-site power failure protection;
- ◆ 11. Automatic detection of input synchronization signals. Features;
- ◆ 12. ★ EDID management function;
- ◆ 13. One-click quick query function for easy viewing of matrix switching status;
- ◆ 14. RS-485 extended keyboard operation or PC professional software for quick switching settings;
- ◆ 15. Equipped with 1 RS-232 communication interface for computer control or programmable central control system
- ◆ 16. Equipped with 1 network expansion port for remote control via Ethernet, supporting simultaneous connection of 8 users;
- ◆ 17. ★ Optional built-in central control module, providing app, iPhone, iPad, Android tablet and mobile phone wireless control;

◆ Technical Specifications:

- ◆ Power Supply: AC100V~240V, 50/60Hz
- ◆ Input Interfaces: 8 HDMI-A female ports, 1 RS-232 port, 1 LAN port
- ◆ Output Interfaces: 8 HDMI-A female ports
- ◆ Signal Type: All-digital TMDS signal, EDID management
- ◆ Resolution: Up to 4K@30Hz resolution, backward compatible
- ◆ Maximum Transmission Latency: 5ns (±1ns)
- ◆ Switching Speed: Less than 200ns (maximum time)
- ◆ Maximum Power: 50W
- ◆ Dimensions: 483×245×66mm

4×4 Seamless HDMI Matrix



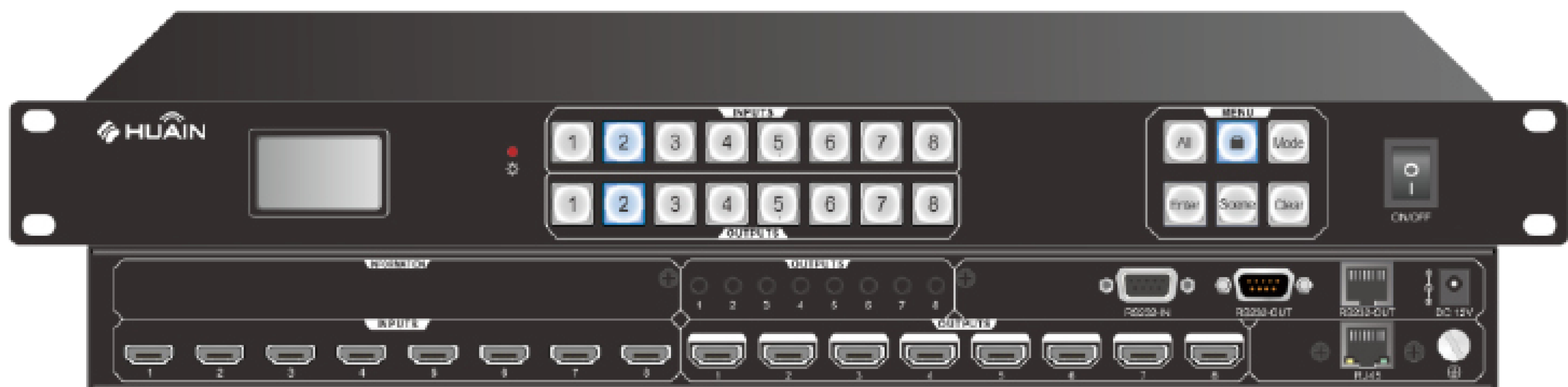
Seamless 4K@30 Switching-Easy Splicing & Independent Audio Switching

HY-HD044

Functions and Parameters

- ◆ 1. Programmable logic array circuit, allowing for arbitrary switching between input and output signals;
 - ◆ 2. 4-channel HD signal source input, 4-channel HD signal source output, HDMI female connector;
 - ◆ 3. ★ Features 4 independent audio outputs and 3.5" analog audio output;
 - ◆ 4. ★ Input/output HDMI 1.4, maximum resolution 3840x2160@30Hz;
 - ◆ 5. Equipped with a 2.0" LCD display for real-time status information;
 - ◆ 6. ★ Audio embedding and de-embedding;
 - ◆ 7. Output resolution adjustment;
 - ◆ 8. Power-off memory function;
 - ◆ 9. Continuous hot-swapping of HDMI interface;
 - ◆ 10. Features 1 RS232 input, 1 RS232 output, 1 TCP/IP, and 1 power switch;
 - ◆ 11. APP, IR, RS232, TCP/IP control, and button switching control;
 - ◆ 12. Unique blue light button display;
 - ◆ 13. EDID management;
 - ◆ 14. Input/output color spaces: RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2, etc.
- ◆ Technical Specifications:
 - ◆ Power Supply: DC 5V 1A
 - ◆ Input Signals: 4-channel HDMI
 - ◆ Input Resolution: Up to 4K@30Hz
 - ◆ Output Signals: 4-channel HDMI
 - ◆ Output Resolution: Up to 4K@30Hz RGB 4:4:4
 - ◆ Analog Audio: 4-channel 3.5mm analog audio output jacks
 - ◆ HDMI Embedded Audio: PCM
 - ◆ LCD Screen: Displays switching status, scene recall, EDID, etc.
 - ◆ Control Ports: 2-channel RS232, 1-channel Ethernet RJ45
 - ◆ Dimensions (W×D×H): 483×236×45mm

8×8 Seamless HDMI Matrix



Seamless 4K@30 Switching-Easy Splicing & Independent Audio Switching

HY-HD088

Functions and Parameters

- ◆ 1. Programmable logic array circuit, allowing for arbitrary switching between input and output signals;
 - ◆ 2. 8-channel high-definition signal source input, 8-channel high-definition signal source output, HDMI female connector;
 - ◆ 3. ★ Equipped with 8 independent audio outputs and 3.5" analog audio output;
 - ◆ 4. ★ Input/output HDMI 1.4, maximum resolution 3840x2160@30Hz;
 - ◆ 5. Equipped with a 2.0" LCD display for real-time status information;
 - ◆ 6. ★ Audio embedding and de-embedding;
 - ◆ 7. Output resolution adjustment;
 - ◆ 8. Power-off memory function;
 - ◆ 9. Continuous hot-swapping of HDMI interface;
 - ◆ 10. Equipped with 1 RS232 input, 1 RS232 output, 1 TCP/IP, and 1 power switch;
 - ◆ 11. APP, IR, RS232, TCP/IP control, and button switching control;
 - ◆ 12. Unique blue light button display;
 - ◆ 13. EDID management;
 - ◆ 14. Input/output color spaces: RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2, etc.
- ◆ Technical Specifications:
 - ◆ Power Supply: DC 12V 2A
 - ◆ Input Signals: 8-channel HDMI
 - ◆ Input Resolution: Up to 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2
 - ◆ Output Signals: 8-channel HDMI
 - ◆ Output Resolution: Up to 4K@30Hz RGB4:4:4
 - ◆ Analog Audio: 8-channel 3.5mm analog audio output jacks
 - ◆ HDMI Embedded Audio: PCM
 - ◆ LCD Screen: Displays switching status, scene recall, EDID, etc.
 - ◆ Control Ports: 2-channel RS232, 1-channel Ethernet RJ45
 - ◆ Dimensions (W×D×H): 483×236×45mm

16×16 Seamless HDMI Matrix



Seamless 4K@30 Switching-Easy Splicing & Independent Audio Switching

HY-HD1616

Functions and Parameters

- ◆ 1. Programmable logic array circuit, allowing for arbitrary switching between input and output signals;
 - ◆ 2. 16-channel high-definition signal source input, 16-channel high-definition signal source output, HDMI female connector;
 - ◆ 3. ★ Equipped with 16 independent audio outputs and 3.5" analog audio output;
 - ◆ 4. ★ Input/output HDMI 1.4, maximum resolution 3840x2160@30Hz;
 - ◆ 5. Equipped with a 2.0" LCD display for real-time status information;
 - ◆ 6. ★ Audio embedding and de-embedding;
 - ◆ 7. Output resolution adjustment;
 - ◆ 8. Power-off memory function;
 - ◆ 9. Continuous hot-swapping of HDMI interface;
 - ◆ 10. Equipped with 1 RS232 input, 1 RS232 output, 1 TCP/IP, and 1 power switch;
 - ◆ 11. APP, IR, RS232, TCP/IP control, and button switching control;
 - ◆ 12. Unique blue light button display;
 - ◆ 13. EDID management;
 - ◆ 14. Input/output color spaces: RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2, etc.
- ◆ Technical Specifications:
 - ◆ Power Supply: DC 12V 2A
 - ◆ Input Signals: 16-channel HDMI
 - ◆ Input Resolution: Up to 4K@30Hz RGB4:4:4, YCbCr4:4:4, YCbCr4:2:2
 - ◆ Output Signals: 16-channel HDMI
 - ◆ Output Resolution: Up to 4K@30Hz RGB4:4:4
 - ◆ Analog Audio: 16-channel 3.5mm analog audio output jacks
 - ◆ HDMI Embedded Audio: PCM
 - ◆ LCD Screen: Displays switching status, scene recall, EDID, etc.
 - ◆ Control Ports: 2-channel RS232, 1-channel Ethernet RJ45
 - ◆ Dimensions (W×D×H): 483×236×45mm

4K@60 HD 4-Channel HDMI Matrix



Seamless 4K@60 Splicing & Independent Audio Switching

HY-4KHD404

Functions and Parameters

- ◆ 1. Seamless instant switching; no black screen, blue screen, or screen breakage during the transition process, and no slow transition animations.
 - ◆ 2. 4-channel high-definition signal source input, 4-channel high-definition signal source output, HDMI 2.0 female interface.
 - ◆ 3. Equipped with 4 independent audio inputs, 4 independent audio outputs, and a 3.5mm analog audio interface.
 - ◆ 4. ★ Maximum resolution: 4K*2K@60HZ, 1080P@60HZ;
 - ◆ 5. All-hardware architecture without CPU or operating system, resulting in faster operation and response speed.
 - ◆ 6. ★ 4K video splicing mode, compatible with splicing processor functions.
 - ◆ 7. ★ Compatible with video wall splicing functions; users can adjust the number of rows and columns on the screen and customize the splicing mode in the control software or web interface for free splicing selection.
 - ◆ 8. ★ Embedding external analog audio into the HDMI port. 9. Audio embedding within the signal stream;
 - ◆ 10. Audio separation with an AUDIO output port for external amplifier connection, enabling audio de-embedding and separation of the original HDMI signal output;
 - ◆ 11. ★ Stereo audio parsing, allocation, and switching for various video signals;
 - ◆ 12. Five control methods: visual panel buttons, RS-232, infrared remote control, LAN, WEB, and Android APP control, significantly improving work efficiency and offering simple and quick operation;
 - ◆ 13. Visual operation buttons with indicator lights for visualizing input/output channel status;
 - ◆ 14. ★ Web browser control for HarmonyOS, Linux, Windows, and Apple iOS systems; 16. Internal features include...
- ◆ Technical Specifications:
 - ◆ Power Supply: DC 12V 4A
 - ◆ Input Ports: HDMI*4 + 3.5mm*4
 - ◆ Output Ports: HDMI*4 + 3.5mm*4
 - ◆ Audio Embedding: 3.5mm*8
 - ◆ Audio De-embedding: 3.5mm*8
 - ◆ HDMI Compatibility: HDMI 2.0 (backward compatible)
 - ◆ HDCP Compatibility: HDCP 2.2 (backward compatible)
 - ◆ Display Modes: Custom splicing mode, duplicate mode, cross mode
 - ◆ Control Ports: 2 RS232 ports, 1 Ethernet port
 - ◆ Video Format: 4K*2K@60Hz (4:4:4)
 - ◆ Dimensions (W×D×H): 483×236×45mm

4K@60 HD 8-Channel HDMI Matrix



Seamless 4K@60 Splicing & Independent Audio Switching

HY-4KHD808

Functions and Parameters

- ◆ 1. Seamless instant switching; no black screen, blue screen, or screen breakage during the transition process, and no slow transition animations.
- ◆ 2. 8-channel high-definition signal source input, 8-channel high-definition signal source output, HDMI 2.0 female interface.
- ◆ 3. Equipped with 8 independent audio inputs, 8 independent audio outputs, and a 3.5mm analog audio interface.
- ◆ 4. ★ Maximum resolution: 4K*2K@60HZ, 1080P@60HZ;
- ◆ 5. All-hardware architecture without CPU or operating system, resulting in faster operation and response speed.
- ◆ 6. ★ 4K video splicing mode, compatible with splicing processor functions.
- ◆ 7. ★ Compatible with video wall splicing functions; users can adjust the number of rows and columns on the screen and customize the splicing mode in the control software or web interface for free splicing selection.
- ◆ 8. ★ Embedding external analog audio into the HDMI port. 9. Audio embedding within the signal stream;
- ◆ 10. Audio separation with an AUDIO output port for external amplifier connection, enabling audio de-embedding and separation of the original HDMI signal output;
- ◆ 11. ★ Stereo audio parsing, allocation, and switching for various video signals;
- ◆ 12. Five control methods: visual panel buttons, RS-232, infrared remote control, LAN, WEB, and Android APP control, significantly improving work efficiency and offering simple and quick operation;
- ◆ 13. Visual operation buttons with indicator lights for visualizing input/output channel status;
- ◆ 14. ★ Web browser control for HarmonyOS, Linux, Windows, and Apple iOS systems; 16. Internal features include...
- ◆ Technical Specifications:
 - ◆ Power Supply: DC 12V 4A
 - ◆ Input Ports: HDMI*8 + 3.5mm*8
 - ◆ Output Ports: HDMI*8 + 3.5mm*8
 - ◆ Audio Embedding: 3.5mm*8
 - ◆ Audio De-embedding: 3.5mm*8
 - ◆ HDMI Compatibility: HDMI 2.0 (backward compatible)
 - ◆ HDCP Compatibility: HDCP 2.2 (backward compatible)
 - ◆ Display Modes: Custom splicing mode, duplicate mode, cross mode
 - ◆ Control Ports: 2 RS232 ports, 1 Ethernet port
 - ◆ Video Format: 4K*2K@60Hz (4:4:4)
 - ◆ Dimensions (W×D×H): 483×236×45mm