Seamless HD Matrix Switcher

Embedded software: intelligent hybrid matrix switch software V2.144
TS-94144UHM

Description:

Hybrid seamless matrix switcher is a flexible matrix signal switcher. With high-performance hardware design, it perfectly supports switching and processing of various HD digital/analog signals. It provides a one-stop solution for various video and control signal distribution/switching/processing in various industries, which can be widely used in broadcast and television projects, multimedia conference halls, LED video wall projects, TV teaching, command centers and other places.

Feature:

* It adopts pure hardware standardized chassis design and supports 144×144-channel signal switching.
* Support HDMI, DVI, VGA, SDI, HD BaseT, optical fiber or any input / output signal board, improve system flexibility. DVI input board is compatible with CVBS, YUV, VGA signal, VGA input / output board are compatible with CVBS, YUV, VGA.
* Customized configuration of various types of the same or different I/O boards to form a matrix of single interface type or multi-interface type, such as HDMI matrix, DVI matrix, VGA matrix, YUV matrix, etc.
* The input and output resolution supports 4K@60Hz.
* Support seamless switching function, no black screen signal during the switching process.
* It adopts multi-threaded communication technology, supports access to 1 control board, has 1 RS-232 interface, 1 RS-485 interface, 1 TCP/IP port, and supports extended touch screen control.
* Support audio and video signal synchronization switching, switching response speed is fast.
* Support analog audio and HDMI embedded audio selection input.
* Support analog audio and HDMI embedded audio output at the same time.
* HDBaseT input and output signals support bidirectional RS-232 and bidirectional IR signal transmission, which can switch between RS-232 and IR signals with video signal, or separate switching mode, and support POC external power supply.
* Support power-off memory protection to avoid repeated setting action when power off.
* Configure redundant power supply and support hot swap;
* Multiple preset instructions can be stored in the system, which can be switched with one button when calling.
* It adopts infinite scaling algorithm and video codec processing technology, supports adjustment of picture chroma, brightness, contrast, color temperature, gamma value, etc., and supports HDR picture quality enhancement function.

Specification:

Model	TS-94144UHM
Input board	36
Output board	36
Control board	1
Input channel	144
Output channel	144
Serial port	1×RS-232 (9-pin female D-type interface)
Baud rate and protocol	9600; data bits: 8 bits, stop bits: 1, no parity
RS-485control interface	4-digit 3.8mm Phoenix interface for use with touch panels
Ethernet control interface	RJ-45 female interface
Ethernet control rate	Adaptive 10M/100M, full or half duplex
Power supply	AC 100V~240V, 50/60Hz, international adaptive power supply
Environment temperature	-20℃—+70℃
Dimension(mm)	484 x 500 x 1305mm (L*W*H)
Weight	78Kg (full of I/O boards)