

16X16 Stereo Matrix

Description

The conference audio series matrix switcher series is a professionally designed high-performance broadband intelligent matrix switch device. The output has any channel distribution function. It can arbitrarily choose one output or multiple outputs to one display device or one output. The input signal can choose one output or multiple simultaneous output. This series of products can be widely used in multimedia digital conference rooms, multimedia teaching, multi-functional lecture halls, command and control centers, hotels, audio-visual exhibition halls, large-screen projection display projects and other occasions.

Features

RCA video signal input;

RCA video signal output, fully cross-switchable (optional)

8 channels of audio input, 8 channels of audio output

Can be fully cross-switched synchronously or asynchronously with video

Using the latest 32-bit ARM9 embedded processor

Using 500M high-bandwidth chip, with long-line drive function

Independent development of high-resolution display design circuit

Using signal long-distance transmission distortion gain compensation technology

Using Digital Synchronous Identification Processing (DSIP) technology

Built-in round-robin switching function, can set interval time and channel arbitrarily

Built-in 32 sets of scene storage function, can be operated directly on the panel or infrared remote sensing

Using programmable logic array circuit (FPGA), performance is more stable

Audio input and output terminals all adopt RCA interface

The LCD screen can display the switching status of each channel of the device, the input signal characteristics and other information, which is intuitive and convenient

This product has the functions of switching memory protection, LCD liquid crystal display, audio and video synchronization or separate asynchronous switching, etc.

This product is an intelligent device with high reliability. The design adopts fault-tolerant technology and a communication interface circuit with high anti-interference ability to ensure the reliability of communication. It has infrared remote control function and RS232 communication function, which can be easily completed by users. Signal switching during the demonstration. With RS232 communication interface, it can be conveniently used with computer, remote control system or various remote control equipment.

Compatible with codes and instructions of all similar products in the market

International universal wide voltage design, can adapt to AC 110 ~ 240V,

50/60Hz

High quality, mass production, high compatibility and stability

Using dual serial port loop connection technology, users no longer worry about not having enough serial ports, and the device can be cascaded up to 256 units

Multiple control methods

Panel button control: switch directly through the touch buttons on the device panel;

Infrared remote control: use infrared remote control to switch remotely;

Software control: Use special matrix management software to control switching, and RS232 interface for connection interface.

Main technical index parameters:

RCA audio channel (stereo)

Bandwidth: 200MHz (-3dB), full load

Differential phase I/Os: <1.28 degrees, 3.58MHz

Differential gain error: 0.1%, 3.58-4.43MHz

Isolation (crosstalk): <-85db (10MHz)

Input signal level: 1.2V p-p, 5V p-p (TTL)

Non-linear distortion: <0.02%/0.02o(RL=150Ω)

Input level: 0.7Vp-p

Input aid: 75Ω

Output aid: 75Ω

Sync channel

Input level: TTL

Output level: TTL

Input impedance: 10KΩ

Output impedance: 33Ω

Synchronous polarity: follow input

Specifications:

Power AC: 110V-240V, 50/60Hz

Power: 35W

Size: 480 (width) *89-178 (height) *260 (depth) (mm)

Weight: 5-9kg

Rack installation: 19 inches standard 2U-4U height

Mean time between failures MTBF: 50000 hours

Warranty: Three-year warranty and lifetime maintenance

Accessories:

The standard configuration:

1. 1 matrix host
2. One high-quality 0.75 square power cord
3. One high-quality RS232 cross serial line
4. One control software CD
5. 1 copy of matrix manual
6. 1 warranty card
7. 1 certificate
8. 1 infrared remote control