



Introduction

This 16x16 Audio Matrix Switcher is a professionally designed high-performance broadband intelligent audio switch. The 16x16 Audio Matrix Switcher outputs have 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 16x16 Channel Audio Matrix Switcher 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

- 16 - R/L RCA video signal inputs
- 16 - R/L RCA video signal output, fully cross-switchable
- 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 and can set interval time and channel arbitrarily
- Built-in 32 sets of scene storage function
- RCA Audio input and output terminals
- The LCD screen can display the switching status of each channel of the device
- It has infrared remote control function and RS232 communication function
- 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

Specification

Bandwidth: 200MHz (-3dB), full load
Luminance and chromaticity interference: -50dB@10MHz
Signal type: digital VGA, digital TMDS
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=150 Ω)
Support resolution: HD 480i~1080p/640X480~2048X1536 (60Hz)
Input and output interface: HD15PIN (VGA)
Control method: RS-232, infrared, keyboard panel
Control protocol: 9600 baud, 8 bits, 1 stop bit, no parity
Input level: 0.7Vp-p
Input aid: 75 Ω
Output aid: 75 Ω
Sync channel
Input level: TTL
Output level: TTL
Input impedance: 10K Ω
Output impedance: 33 Ω
Synchronous polarity: follow input

Power AC: 110V-240V, 50/60Hz
Power: 35W
Size: 480 (width) *89 (height) *260 (depth) (mm)
Weight: 5kg
Rack installation: 19 inches standard 2U
Mean time between failures MTBF: 50000 hours