



# AV Matrix Switcher

Embedded software: HD seamless hybrid matrix switching embedded software V3.20

## TS-9164AV



### Description:

The AV series matrix switcher is a high-performance intelligent matrix switch device specially designed for the display switching and distribution of composite video/analog audio signals. It is used to switch multiple signals from the input channel to any output channel. The channels are independent of each other, allowing synchronous or asynchronous switching of video and audio. AV series matrix switchers can stand by for 24 hours and can support the power-off memory protection function. With RS232 serial communication interface, it can be used with various remote control devices of the computer. AV series matrix switchers have rich product models, which are suitable for almost any standard analog video and audio signal transmission applications, and are widely used in multimedia conference rooms, TV studios, command centers and other occasions.

### Feature:

- \* Support 8/16 audio and video signal inputs, 2/4/8/16 audio and video signal outputs.
- \* The video interface is a BNC or RCA interface; the audio interface is an RCA interface.
- \* The video broadband height is 150MHz (-3dB) full load.
- \* Provide multiple preset saving options, with power-off memory protection function.
- \* The LCD displays the switching operation status in real time, and with the panel operation keyboard, the current input/output channel connection status can be queried.
- \* Support RS232 communication function.
- \* Support quick switching operations, making the operation easier and faster.
- \* Support video signal types: composite video (signal).
- \* Support audio signal types: stereo, balanced or unbalanced connection.
- \* Use programmable logic display circuit, arbitrary interactive switching.
- \* Support distortion compensation technology for long-distance signal transmission.
- \* Built-in international general power supply module.

### Specification:

<b>Composite video signal</b>	
Video bandwidth	150MHz(-3dB) full load
Input signal	Composite video
Input port	RCA (8 series), BNC (16-128 series)
Input level	0.5Vp-p~2.0Vp-p
Input impedance	75Ω
Output signal	Composite video
Output port	RCA (8 series), BNC (16-128 series)
Output level	0.5Vp-p~2.0Vp-p
Output impedance	75Ω
Return loss	-30dB@5MHz
Synchronization standard	NTSC, PAL, SECAM
Differential phase error	0.1 %, 3.58-4.43MHz
Differential gain error	0.1 degrees, 3.58-4.43MHz
<b>Analog audio signal</b>	
Audio bandwidth	150MHz(-3dB) full load
Input signal	Stereo (balanced or unbalanced) signal
Input port	RCA or 3.8mm screw lock
Maximum input level	+19.5dBu
Input impedance	> 10KΩ
Output signal	Stereo (balanced or unbalanced) signal
Output port	RCA or 3.8mm screw lock
Maximum output level	+21dBu
Output impedance	>50Ω
Frequency response	20Hz-20KHz, ±0.05dB
SNR	>90dB
Stereo channel isolation	>80dB @ 1kHz
CMRR	>75dB @ 20Hz - 20kHz
<b>Device specification</b>	
Maximum transmission delay	5nS (±1nS)
Switching delay	200nS (maximum)
MTBF	50000 hours
Working temperature	-20~45℃
Ambient humidity	20%~80% relative humidity, no condensation
Input power	~100-240V 50-60Hz
Dimension	3U height, 484x304x132mm (L×W×H)