

ZHC348-0104D 4 Channel Digital Audio Distributor



1、 Overview

The ZHC348-0104D four-channel digital audio splitter is a device that distributes one AES digital audio into four outputs. As a special equipment for the radio and television industry, this device has a large input and output dynamic range, excellent audio indicators, and small gain difference between channels. The channel isolation is high, and the first channel is directly connected when the power is turned off. The equipment adopts dual power supplies that can be automatically switched to improve the reliability of the equipment. In addition, the device provides a monitoring function for inputting AES audio signals.

2、 Technical Details

2.1 Technical Specifications

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| 1. Digital audio input impedance (balanced) | 110Ω |
| 2. Digital audio output impedance (balanced) | 110Ω |
| 3. Working frequency | 20Hz~20KHz |
| 4. Audio signal-to-noise ratio | ≥95dB |
| 5. Audio frequency response | ≤±0.01dB |

6. Audio distortion degree $\leq 0.0002\%$
7. Audio stereo separation $\geq 95\text{dB}$
8. Audio level difference between left and right $\leq 0.01\text{dB}$
9. Correspondence between analog and digital level
0dBu analog audio signal corresponds to -24dBFS digital audio signal
10. Maximum input level +24dBu
11. Power supply voltage AC100V~AC265V/47Hz~63Hz (dual circuit)

Note: The test frequency range of all the above indicators is 20Hz~20KHz.

2.2 Physical Specifications

1. Chassis standard 1U (19 inches)
2. Chassis size width 440mm × height 44mm × depth 300mm
3. Whole machine weight 1.6KG
4. Operating environment temperature $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$
5. Operating relative humidity $< 95\%$
6. Operating altitude $\leq 4500\text{m}$