itc · AUDIO PERIPHERALS

TS-224D

Suppressor

The itc TS-224D is a suppressor from itc's Audio Peripherals range, built for system integration — processing, feedback control, connectivity and wireless microphone distribution.

Key figures: frequency response 20 Hz-20kHz (±0.5dB); frequency resolution 1Hz; input channels and plugs 2 XLR and TRS multi-use plug analog inputs. Highlights include high-performance 40-bit DPS processor, dual methods for feedback suppression, noise gate function and equalizer function.



Key features

- High-performance 40-bit DPS processor — Provide 32-bit/48kHz excellent high-quality sound
- Dual methods for feedback suppression. — Notch filter provides 12 fixed points + 12 dynamic points High-precision frequency shift ranges from -10Hz to 10Hz
- Noise gate function — Eliminate noise Limit the output size Provide multiple parameter settings at the same time
- Equalizer function — 8-band parametric equalizer 31-band graphic equalizer Support overhead, bottom shelf, and parametric filters Support single-point bandwidth mode configuration
- Crossover function — Support Bessel, Linkwich-Rayleigh, and Butterworth Adjustable filter in the entire frequency range

Technical specifications

Input channels and plugs	2 XLR and TRS multi-use plug analog inputs
Output channels and plugs	2 XLR male plug + 2 TRS male plug analog outputs
Input impedance	Balance: 20KΩ
Output impedance	Balance: 100Ω
Input range	≤+20dBu
Frequency response	20 Hz-20kHz (±0.5dB)
SNR	≥103dB@1kHz 20dBu (A-weighted)
THD	<0.012% OUTPUT=0dBu/1kHz
Channel separation	>82dB (1kHz)
Howling search and suppression	Fully automatic notch
Filter	24/CH
Q value range	10-50
Frequency resolution	1Hz
Howling search time	0.1~0.5S
FFT length	1024
Acoustic gain	4~8dB
System gain	0dB
Notch filter	Dual channel, 12 static + 12 dynamic points for each

Continued specifications on request.