Audio Processor
TV-650YZ

Description:

The digital audio processor adopts environmental noise suppression, automatic equalization technology, intelligent mixing technology, echo cancellation technology, and other technology, which can solve the problems of echo and noise in interactive recording classrooms.

Feature:

* Adopt industrial embedded architecture, special chip and embedded operating system, which is stable and reliable.

* Integrated automatic noise suppression technology (eliminate noise interference including air conditioners, exhaust fans, etc.) to ensure sound quality.

* Equipped with echo cancellation function, the mixing of wireless microphones and hanging microphones needs to be processed by AEC, and the reference signal is remote audio signal.

* With 8 balanced input interfaces, support differential input, support 48V phantom power supply, and support 16-segment EQ processing functions.

* With 4 mono LINE IN input interface, interface definition: 1-remote audio input, 2&4-courseware, 3-wireless microphone.

* Equipped with 4 balanced output interfaces, interface definition: 1-output to remote (including wireless microphone, hanging microphone, courseware), 2-recording (including wireless microphone, hanging microphone, courseware, remote audio input), 3&4-output to speaker (including wireless microphone, courseware, remote audio input).

* Support intelligent mixing function (8 balanced inputs can be combined arbitrarily).

* Support voice anti-reverberation function to avoid interference of multiple voices and highlight important voice signals.

* Support monitoring, software upgrade and parameter configuration through network (support LAN and public network).

* With flexible configuration method, support software upgrades and parameter configuration, such as input/output gain, EQ, AGC, noise reduction level and other parameters, through the network port, RS485 interface.

* Support NOMA function. Automatically adjust the output level of the system according to the number of MICs turned on, and the output gain of the system will not increase due to the superposition of input level, effectively suppressing the formation of acoustic feedback.

Specification:

Model	VX茁Í €YZ
8 balanced inputs	Phoenix terminal, audio input impedance 100KΩ, support 48V phantom power supply
4 LINE IN inputs	Phoenix terminal, audio input impedance 100KΩ, maximum input level 6dBV
4 balanced outputs	Phoenix terminal, mixing output
THD+N	≤0.002%@+4dBu, 1KHz
Remote echo cancellation	Processing echo delay ability: 128ms, 256ms, 512ms
Echo suppression ratio	>60dB
Sampling rate	32KHz
Sampling resolution	16 bits
Dynamic range	90dB
Environmental noise cancellation	Steady-state noise cancellation ratio: 30dB
Maximum number of intelligent mixing channels	8 channels
Anti-reverberation channel	4 channels
Frequency response	20Hz-16KHz
Maximum gain	59dB
Power supply	DC 12V/2A
Dimensions (L×D×H)	482.6×255×44 (mm)