



Audio Processor

TV-650YZ



Product Feature

The digital audio processor uses environmental noise suppression technology, automatic equalization technology, intelligent mixing technology and echo cancellation technology, etc., to solve the echo and noise problems of interactive recording and broadcasting classrooms.

Features

- * It adopts industrial embedded architecture, adopts dedicated chip and embedded operating system, which is stable and reliable.
- * Integrated automatic noise suppression technology (removal of noise interference including air conditioners, exhaust fans, etc.) to ensure sound quality.
- * With echo cancellation function, the mix of wireless microphone and hanging microphone needs to be processed by AEC, and the reference signal is remote audio signal.
- * With 8 balanced input interface, support differential input, support 48V phantom power supply, support 16-segment EQ processing function.
- * With 4 channels of mono LINE IN input interface, interface definition: 1-remote audio input, 2 & 4 courseware, 3-wireless microphone.
- * 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 Speakers (including wireless microphone, courseware, remote audio input).
- * Support intelligent mixing function (8-channel balanced inputs can be combined arbitrarily).
- * Support voice anti-reverberation function, to avoid multi-channel voice interference and highlight important voice signals.
- * Can be monitored via the network, software upgrading and parameter configuration (support LAN and public network).
- * Flexible configuration mode, support software upgrade through network port, RS485 interface and parameter configuration input/output gain, EQ, AGC, noise reduction level and other parameters.
- * Support NOMA function, automatically adjust the output level of the system according to the number of MICs that are turned on, and not increase the output gain of the system due to the superposition of input levels, effectively suppressing the formation of acoustic feedback.

Specifications

Model	TV-650YZ
8-channel balanced input	Phoenix terminal, audio input impedance 100KΩ, support 48V phantom power supply
4-channel LINE IN input	Phoenix terminal, audio input impedance 100KΩ, maximum input level 6dBV
4-channel balanced output	Phoenix terminal, mixing output
Total harmonic distortion (THD+N)	≤0.002%@+4dBu, 1KHz
Remote echo cancellation	Handling echo delay capability: 128ms, 256ms, 512ms
Echo suppression ratio	>60dB
Sampling Rate	32KHz
Number of samples	16
Dynamic range	90dB
Environmental noise elimination	Steady-state noise cancellation ratio: 30dB
Maximum intelligent mixing number	8 channels
Anti-reverberation channel	4 channels
Frequency response	20Hz-16KHz
Maximum gain	59dB
Power supply	DC 12V/2A
Size	Length 482.6 × depth 255 × height 44 (mm)