Echo Canceller - AVC12

AVC12 is an innovative product designed to provide Acoustic Echo and Feedback Cancellation for multiple conferencing applications. With its twin-engine path digital signal processor with high-speed floating-point operation, AVC12 can be used for both local and remote conferencing. It combines the following functions:

1. Echo cancellation: completely eliminates the acoustic echo for full-duplex conferencing.

2. Acoustic feedback cancellation: uses adaptive processing to effectively cancel feedback from the system.

3. A unique adaptive dynamic noise filter can filter out background noise but does not affect the sound of speakers. This improves the signal to noise ratio and sound quality of the system.

In addition, remote gain control can adjust the output volume according to the input level signal of the external device selected by the user through the back panel selector switch to achieve a stable volume output. AVC12 is a sophisticated computer with high-speed DSP and the most advanced voice signal processing available. Its application includes network conferencing, and remote audio and video conferencing systems.

Technical Specifications

Digital signal processing	Echo cancellation
Tail length	512ms
Echo cancellation	＞60dB
background noise reduction	
Gain control	-12 dB ~ +36 dB, +/- 6 dB
Frequency response	50Hz-20KHz
THD	Typical <96dB (0.002%) @ 1KHZ, +12 dBu output

Storage temperature	-30℃-70℃
Humidity	Max. 90%, non-condensing
Surface decoration	Metal front panel; plating coating steel enclosure
Display	LED display
Package Dimensions(mm)	545×365×145
Weight	1.9KG
Power voltage	220V AC,50-60Hz
Power consumption	＜10W
Warranty	5 years

1. Power switch

2. Power

3. Audio Out2: Output channel 2, with a 3.5 mm/6.5 mm plug to output the processed audio of the input channel 2.

4. Audio Out1: Output channel 1, with a 3.5 mm/6.5 mm plug to output the processed audio of the input channel 1.

5. Audio In2: Input channel 2 with XLR/6.5 mm plug; but only allow one plug to connect with audio equipment. If two jacks are connected with audio equipment, the output will become distorted.

6. Audio Out1: Input channel 1 with XLR/6.5 mm plug

7. Selection: input mode selection of Channel 1 and Channel 2, Mic/Line input.

8. Audio In2: Gain control of the output channel 2, the total gain value is the sum of corresponding values for each DIP switch