

Digital 8x8 Digital Media Matrix & Suppressor

8x8 Audio Matrix & Feed Back Suppressor Controller

Model: VCS-DM-8800



SUMMARY

• The VCS-DM-8800 is a helpful signal processor to set up a high level digital audio video conference system. Ideal to eliminate echo & noise when microphone is directed to speaker. The VCS-DM-8800 is a feedback suppression system, ideal to be used in conference rooms, class rooms & rooms where high sensitivity microphones are being used. The intelligent VCS-DM-8800 comprises of built in DSP to filter high frequency while maintaining voice speech signal. Compatible with all microphone types, the VCS-DM-8800 effectively improves microphone gain from a range of 5 dB till 16dB.

FEATURES

1. **Acoustic Echo Cancellation:** The VCS-DM-8800 has built in AEC algorithm with 512ms tail length, which ensures crystal clear audio video conferencing by eliminating echo and feedback in real time.
2. **Echo Cancellation:** Achieves up to 60 dB echo suppression, providing crystal-clear, echo-free audio for professional meetings and conferences in unstable situations
3. **Automatic Noise Compensation:** Automatically adapts to changing ambient noise levels, ensuring consistent and clear audio output in any environment
4. **Automatic Feedback Suppression:** Intelligently detects and suppresses feedback in real-time,

delivering smooth, uninterrupted sound quality.

5. **Notch Filter Algorithm:** Employs an intelligent notch-filter algorithm to precisely remove unwanted frequencies, eliminating hums and feedback without affecting audio quality;
6. **Mic Gain Improvement:** Electronically improves microphones gain from a range of 5 dB- 16 dB.
7. **Automatic Gain Control:** Automatically balances multiple microphone inputs, delivering smooth and natural audio without manual adjustments.
8. **Gated Automatic Mixing:** Activates microphones only when speech is detected, reducing background noise and ensuring focused, clear sound.
9. **Ducker Function:** Automatically lowers background music or secondary audio when speech is detected, ensuring the speaker's voice is always clear and prominent.
10. **Input Channel:** 8 Microphone input channels (balanced/unbalanced).
11. **Output Channel :** 8 Microphone output channel (balanced/ unbalanced)
12. **Phantom Power :** Built in 48V phantom power input +48V/10 Ma(max)

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SPECIFICATIONS

Model No.	VCS-DM-8800
Power supply	AC110V-220V/50Hz
Microphone Input	8- Channels
Microphone Output	8- Channels
Input Impedance	5.4Ω (Balanced/unbalanced)
Output Impedance	600Ω (Balanced/unbalanced)
Input Dynamic Range	110 Db
Output Dynamic Range	112Db
Channel Linking / Grouping	Supported
Cross Talk Rejection	108Db@ 1KHz
Sampling Rate	48 KHz ±100ppm, 24bit
Frequency Response	20 Hz- 20KHz ±0.15 dB
Total Harmonic Distortion	<-94Db @+17 dBu
Input Gain	16 steps, 3db /step) 0/3/6/9/12/15/18/21/24/27/30/33/36
Input EQ	12-band parametric EQ
Output EQ	12-band PEQ, 31-band GEQ
Cross over delay limiter	Yes
Microphone Gain	5 to 16 dB
Phantom Power	+48V/10 Ma(max)
Color	Black
Dimension	482x260x45mm

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