

C-Yark A-7220 Automatic Feedback Suppressor

Key Features:

- Advanced Feedback Suppression
- Intelligent DSP Processing
- Exceptional Stability
- Flexible Audio Modes
- Optimized Microphone Performance



Product Overview

The Digital Feedback Suppressor & DSP Audio Processor is designed to eliminate acoustic feedback, suppress echo & optimize sound quality in professional conference and PA systems. With advanced digital frequency-shifting technology, intelligent auto-calibration, adaptive DSP processing, and multiple operating modes, the unit ensures stable, smooth, and distortion-free audio performance in complex acoustic environments.

Feature	Specification
Sampling Rate	48 kHz
Frequency Response	20 Hz – 20 kHz
Signal-to-Noise Ratio	≥ 86 dB
Total Harmonic Distortion	0.075% @ 1 kHz, +15 dB
Feedback Suppression Gain	0–12 dB
Noise Reduction Gain	0–24 dB
System Noise Floor	≤ -100 dB
Audio Inputs	2 × XLR, 2 × TRS
Input Impedance	20 kΩ (Balanced), 10 kΩ (Unbalanced)
Analog Input Gain	0–24 dB
48V Phantom Power	1 Channel
Audio Outputs	1 × XLR, 1 × RCA, 1 × 6.35 mm Jack
Output Impedance	47 Ω
Analog Output Gain	0 dB
Power Supply	AC 100–240 V, 50/60 Hz
Power Consumption	Max. 10 W
Dimensions (W × D × H)	485 mm × 240 mm × 45 mm
Net Weight	3.5 kg
Installation	19-inch Rack Mount

System Advantages:

- Automatic acoustic environment adaptation
- No manual EQ tuning required
- Clean, smooth voice reproduction
- Low distortion and low latency
- Professional rack-mounted installation
- Enhances microphone clarity and system stability

Applications:

- Conference Rooms
- Auditoriums
- Boardrooms
- Courtrooms
- Houses of Worship
- Event & Rental Sound Systems
- Training Centers

