



AI Voice Enhancement Processor

Opening a new chapter of digital conference, efficient communication as a shadow to go along

COMPANY CULTURE

Market-Oriented and Customer-Centric



Corporate Mission

Achieve the brand with professionalism, with international vision and prospects



Corporate Vision

Chinese Voice, HUAIN Makes



Corporate Values

Innovation Leadership, Excellent Quality, Win-Win Cooperation



Corporate of experience

Convergence of forces for common development



Voice Intelligent Enhancement Processor



The voice intelligent enhancement processor has a fully automatic function to detect existing feedback points. It filters the sound through the DSP system, effectively suppresses feedback at high speed, and effectively improves the sound pressure level and clarity of local amplification.

This product is specifically designed and developed for recording and remote conferencing in modern teaching, meetings, and court hearings.

- AFC self-learning acoustic feedback suppression function
- ANS dynamic adaptive noise reduction technology
- Peak Level Meter to detect the current audio signal amplitude
- Multi-microphone mixing and features microphone priority functionality
- Supports automatic gain control systems
- Signal processing modules: filtering module, parametric equalization adjustment function, compressor function, volume adjustment function.
- 2/4-channel universal input, supports 48V phantom power.

Three Modules



AI Adaptive
Noise Cancellation



Extended
Pickup Range



No Calibration
Required



HY-AI4200

AI Voice Enhancement Processor



Parameter Comparison Table

Number of analog input and output channels	4 x2
Phantom power	+48V/10mA max
Frequency response	20 Hz ~ 20 kHz
THD	<0.1%@1KHz
SNR	>90dB
Input impedance	10K Ω
Output impedance	300 Ω
Working power supply	AC110~240V, 50Hz/60Hz



Official Website



WeChat
Official Account



Huain (Zhuhai) Digital Technology Co., Ltd.

Address: Building 10, Chuangang Center, No. 199 Weikang Road,
Xiangzhou District, Zhuhai, Guangdong Province, China.

Manufacturing Center: No. 1, 3rd Floor, Building A, Jinli Technology Park, No. 1,
Huanzhou East Road, Tanzhou Town, Zhongshan, Guangdong Province, China.

Tel: 400-1388-198 0756-8632108 (20 lines)

Fax: 0756-8632109

E-mail: huain@huain-av.com

www.huain-av.com

The pictures and parameters involved in this manual are for reference only. If there is any change, no further notice will be given.