

#### **Key Features**

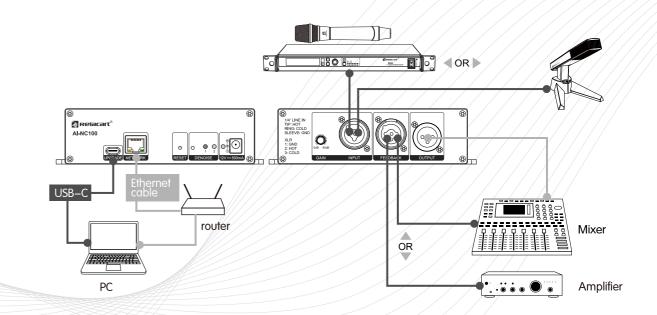


Frequency response:	20Hz~20KHZ
Input gain:	0-45dB (panel adjustable)
Input impedance:	3Κ Ω
Maximum input level:	17dBu (GAIN at 0dB)
Power supply:	48V phantom power
	supply (software controlled switch)
Output impedance:	500 Ω
Maximum output level:	17dBu
Power supply mode:	DC 12V/500mA DC power supply
Dimensions (mm):	166 (L) x 83 (W) x 44.6 (H)

# AI-NC100

Al Noise Cancellation Audio Processor

# **System Connection Diagram**





#### Key Feature



### 360° Al Noise Reduction

 Removes background noise from both uplink and downlink communications while preserving voice clarity, enabling natural conversations in any setting.



# Full-Duplex Acoustic Echo Cancellation

 Eliminates echoes even during simultaneous speech, ideal for low Signal-to-Noise Ratio (SNR) environments without relying on mechanical design.



# Intelligent De-reverberation

 Utilizes Deep Neural Networks (DNN) to eliminate echoes in reflective spaces (e.g., concert halls), enhancing Direct-to-Reverberant Ratio (DRR) for crystal-clear voice reproduction.



# **Dynamic Feedback Suppression**

 Integrated AI processor instantly identifies and suppresses narrow band feedback between speakers and microphones, ensuring stable, distortion-free audio.

AI-NC100 Integrated Systems AI-NC100