Skyco TECHNOLOGIES

AUDIO PROCESSOR

Digital Audio Processor

B20M

Audio Processing Algorithms | PoE Cascade | Multiple | Plug-and-Play

Designed for large conference rooms, classrooms, lecture halls, and similar settings, this digital audio processor includes a professional digital audio processing unit and algorithms. It can connect to multiple RM702A&RM702C digital array microphones and reliably produce clear and natural sound quality for various



FEATURES

▼ PROFESSIONAL AUDIO PROCESSOR
Uses a specialized chip and an embedded system for stable performance. It provide accurate volume control, efficient audio processing, low delay, and a secure, reliable system.

▼ AI AUDIO ALGORITHM
Includes advanced digital audio features like automatic noise suppression, gain control, echo cancellation, equalization, microphone mixing, and reverb reduction to improve sound quality.

▼ MULTIPLE INTERFACES
Can connect up to 6 microphones, 4 line inputs, and 4 line outputs. It also supports USB audio and can add wireless microphones.

▼ PLUG-AND-PLAY
It comes with standard RJ45, USB, and line audio interfaces. It's plug and-play, easy to set up, supports long-distance transmission, and has strong interference resistance.

SPECIFICATIONS

▼ SPECIFICATION

Microphone Cascade	Built-in 6 high signal-to-noise ratio digital microphones
Signal-to-noise Ratio	65 dB(A)
Sensitivity	-38 dBFS
Weight	About 0.4Kg

▼ HARDWARE INTERFACE

Network Interface	1 × upstream LAN interface; 1 × downstream cascade digital audio DMIC interface
USB Interface	1 × DEVICE interface, used as a USB audio device to connect to a USB host (such as a PC) 1 × HOST interface, used as a USB host to connect to a USB device
Audio Interface	4 × INPUT phoenix terminal interface 4 × OUTPUT phoenix terminal interface

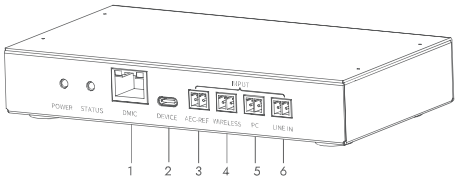
▼ GENERAL SPECIFICATION

Power Supply	DC 12V/5A (supports 8-level cascading) DC 12V/3A (supports 4-level cascading)
PoE	PoE 48V power supply, supports IEEE802.3 AT



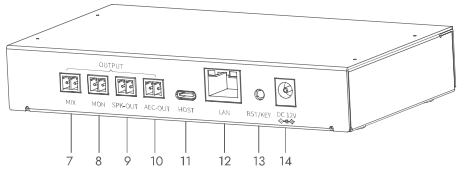
INTERFACE

Front



1 —— DMIC Interface
2 —— Type-C Interface
3 —— AEC-REF Interface
4 —— WIRELESS Interface
5 —— PC Audio Input Interface
6 —— LINE IN Interface

Back



7 —— MIX Audio Output Interface
8 —— MON Audio Output
9 —— Interface
10 —— SPK-OUT Interface
AEC-OUT Interface
11 —— HOST Interface
12 —— RJ45 Interface
13 —— RST/KEY Interface
14 —— Power Interface