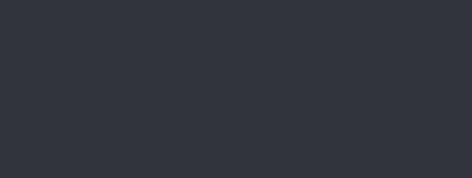


NBS-2301P70

Multi-Zone IP Mixer Amplifier



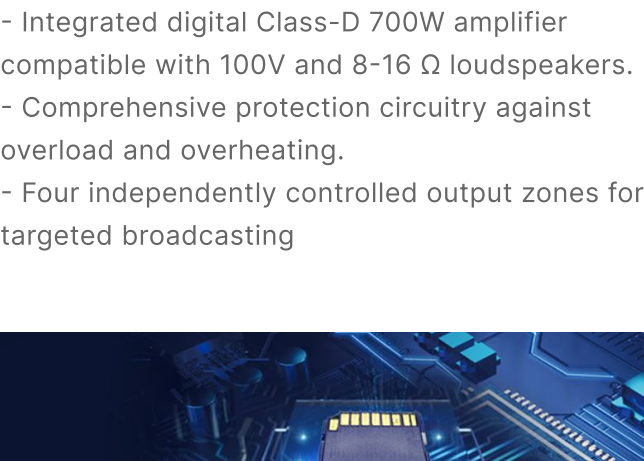
SPON Multi-Zone IP Mixer Amplifier NBS-2301P70 provides multiple external audio interface to meet any application scene, such as supermarket, office building, school, etc. Integrated with pre-amplifier function, bass and treble controls are provided to adjust the sound effect and volume of each audio channel. Automatic cooling system ensures the extreme quiet sound system. This amplifier can be called as 4 zone audio amplifier.

- 4 channels
- Network Intercom
- Remote Broadcasting

MAIN FEATURES

Design & Interface

- Durable 2U rack design with a 4.3-inch TFT color LCD screen and control knob.
- Infrared remote control compatibility and multiple status indicator lights for easy maintenance.

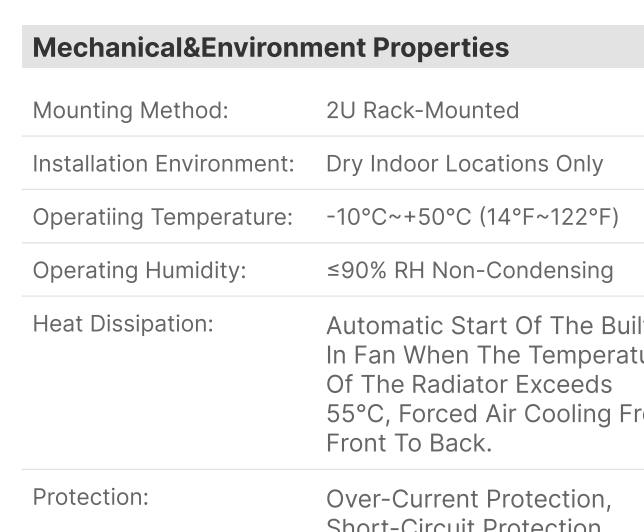


Powerful Audio Control & Protection

- Integrated digital Class-D 700W amplifier compatible with 100V and 8-16 Ω loudspeakers.
- Comprehensive protection circuitry against overload and overheating.
- Four independently controlled output zones for targeted broadcasting

Built-in Features & Connectivity

- Internal clock chip for server-independent timed broadcasting, with programs uploaded to a local SD card.
- Built-in microphone and speaker enabling two-way intercom functionality.
- Relay I/O port for integration with third-party fire alarm systems.



01

SPECIFICATION

Power Parameters	Mechanical&Environment Properties
Power Supply: AC 220V, 50Hz	Mounting Method: 2U Rack-Mounted
Rated Output: 700W	Installation Environment: Dry Indoor Locations Only
Power Consumption: $\leq$ 800W	Operating Temperature: $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$ ($14^{\circ}\text{F}\sim122^{\circ}\text{F}$)
	Operating Humidity: $\leq$ 90% RH Non-Condensing
	Heat Dissipation: Automatic Start Of The Built-In Fan When The Temperature Of The Radiator Exceeds 55°C , Forced Air Cooling From Front To Back.
	Protection: Over-Current Protection, Short-Circuit Protection, Overload Protection, Thermal Protection
	Front Panel Material: Aluminum Alloy
	Housing Material: Surface-Treated Steel Plate
	Color: Black
	Product Dimensions: $483\times430\times88\text{mm}$
	Product Weight: 7.5KG
	Packaging: Carton Box
	Packed Dimensions: $560\times530\times170\text{mm}$
	Packed Weight: 9.5KG
	Product Warranty: 2 Years Limited

Audio Parameters
Audio Codec: MP2, MP3, PCM, ADPCM
S/N (Signal-To-Noise) Ratio: Mic Input 01: $\geq$ 66dB, Mic Input 02/03: $\geq$ 80dB, Aux Input 01/02: $\geq$ 75dB
Audio Sampling & Bit Rate: 8kHz~44.1kHz, 16bit, 8kbps~320kbps
THD (Total Harmonic Distortion): $\leq$ 0.5% At 1kHz, 1/2 Rated Output
Frequency Response: 130Hz~18KHz

Network Parameters
Network I/F: 10BASE-T/100BASE-TX RJ45
Network Protocol: HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method: Web Interface Or DevConfig Tool

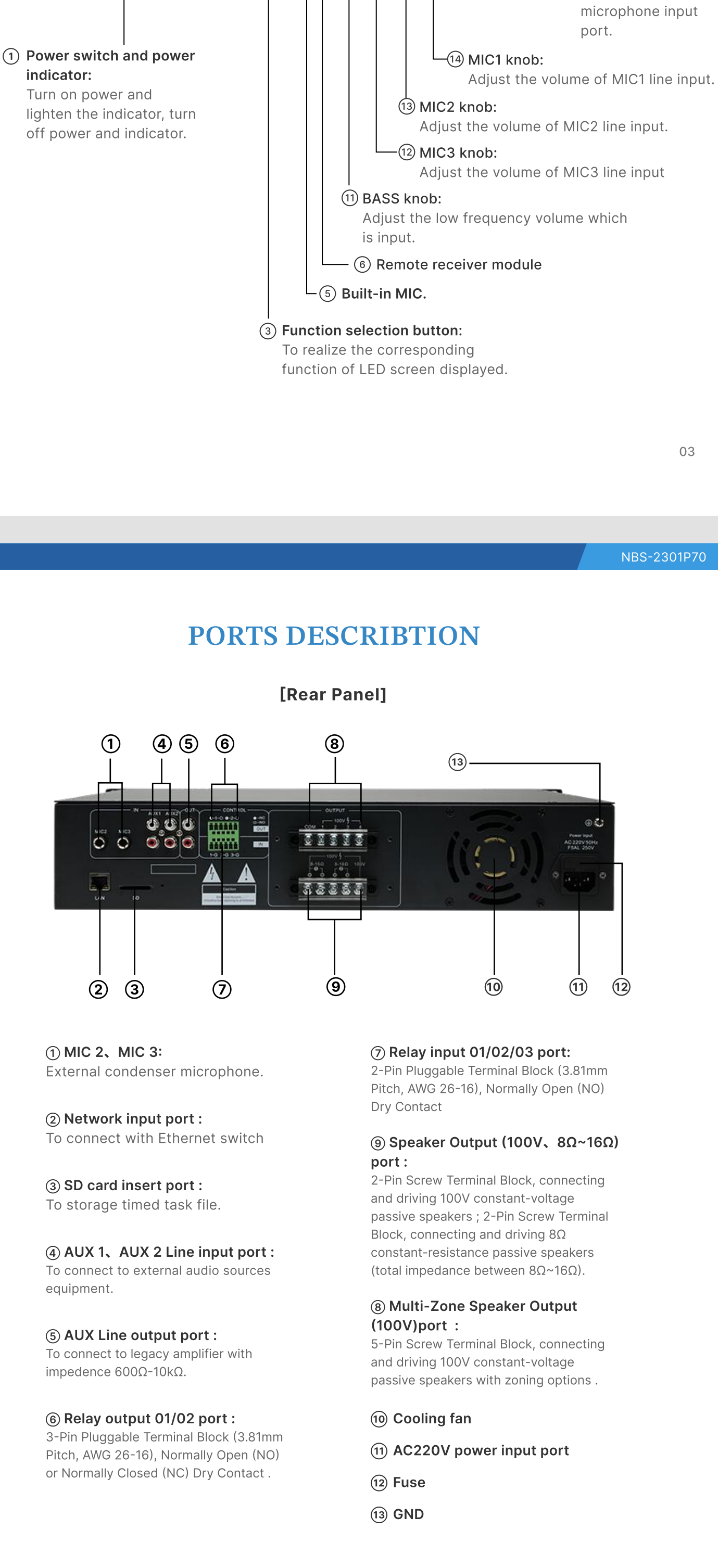
Accessories
2x6-Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26-16)
4xFlat Head Screw & Washer
1xQuick Installation Guide
1xQuality Certificate&Warranty Card
1xPower Cord

Compliance
CE (EMC Directive 2014/30/EU)
CE (LVD Directive 2014/35/EU)

02

PORTS DESCRIPTION

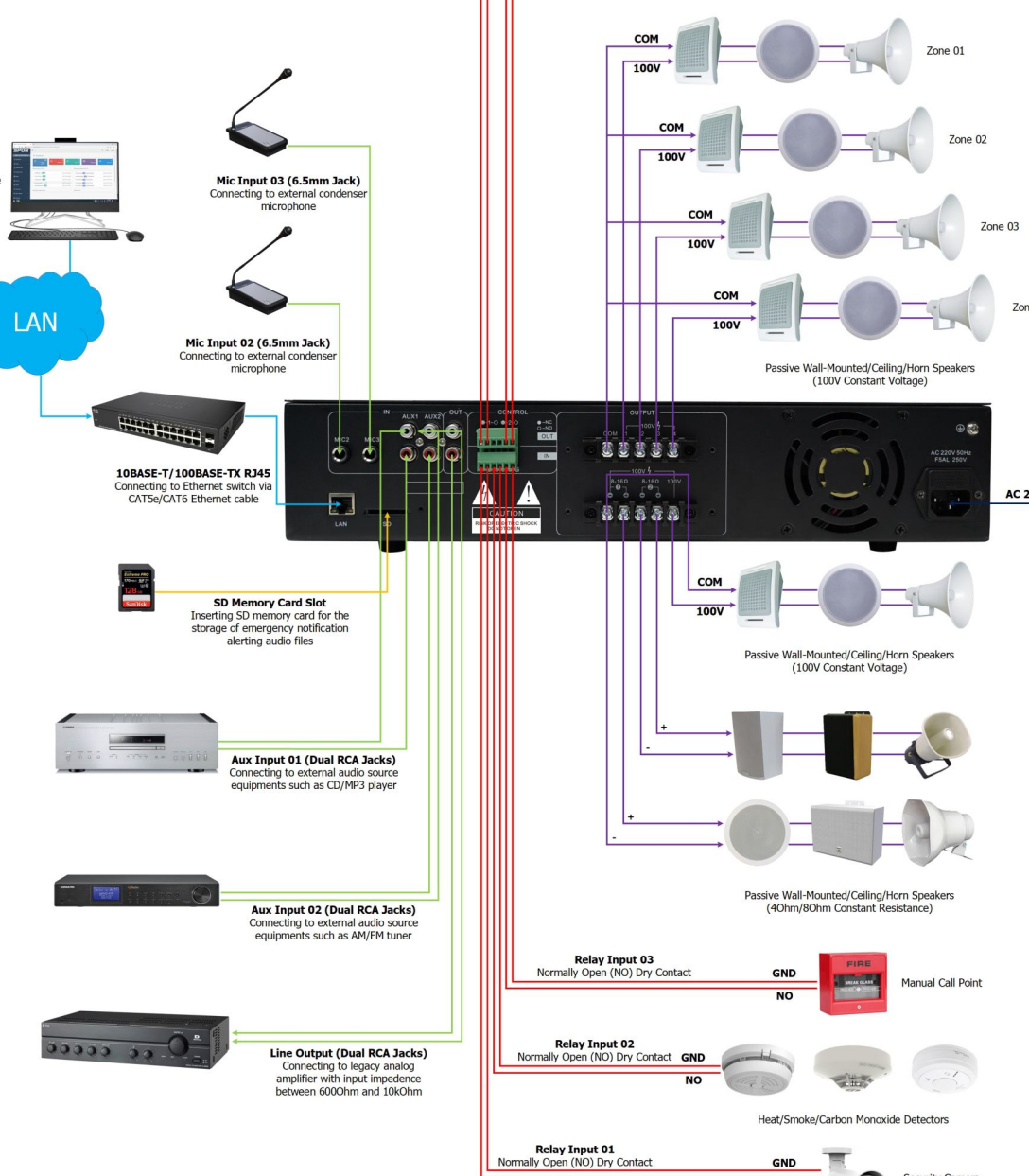
[Front Panel]



03

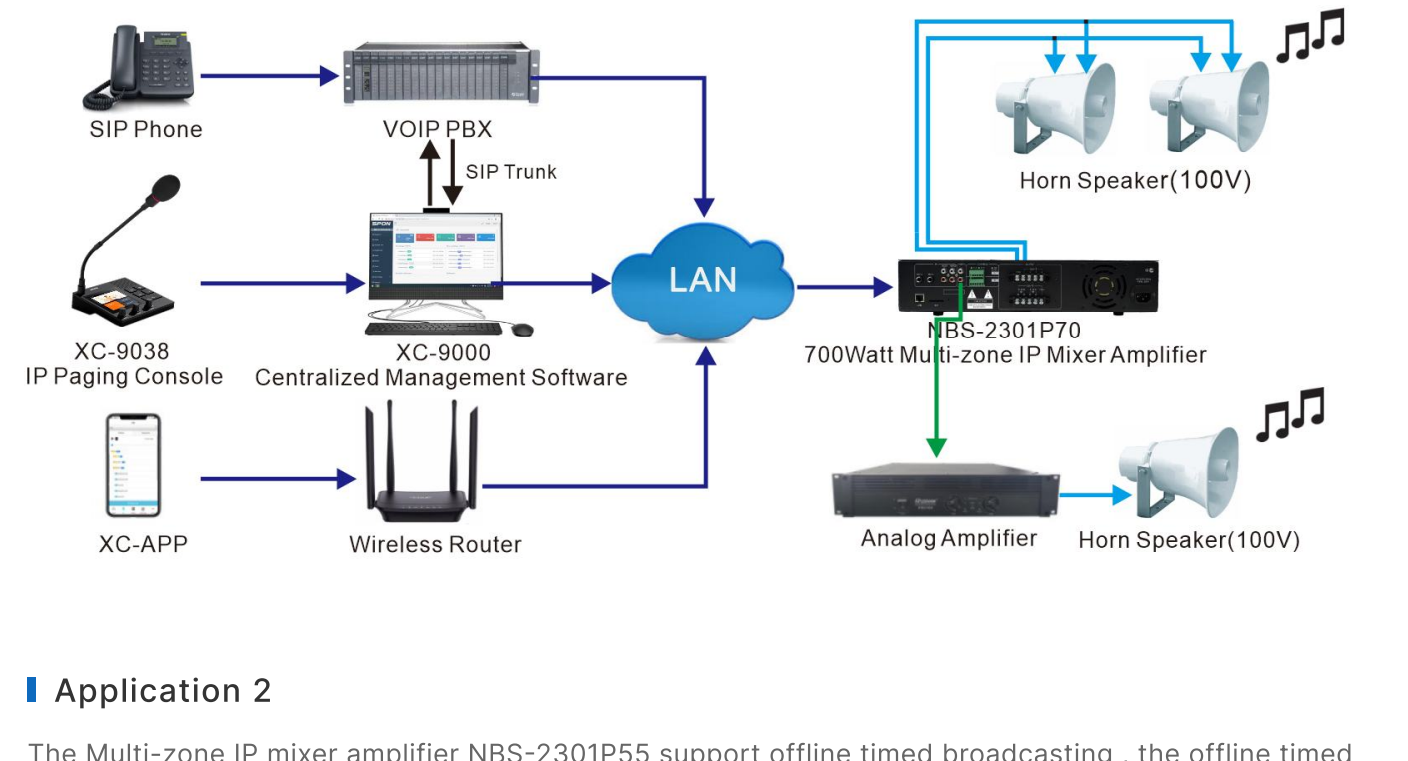
PORTS DESCRIPTION

[Rear Panel]



04

CONNECTION DIAGRAM

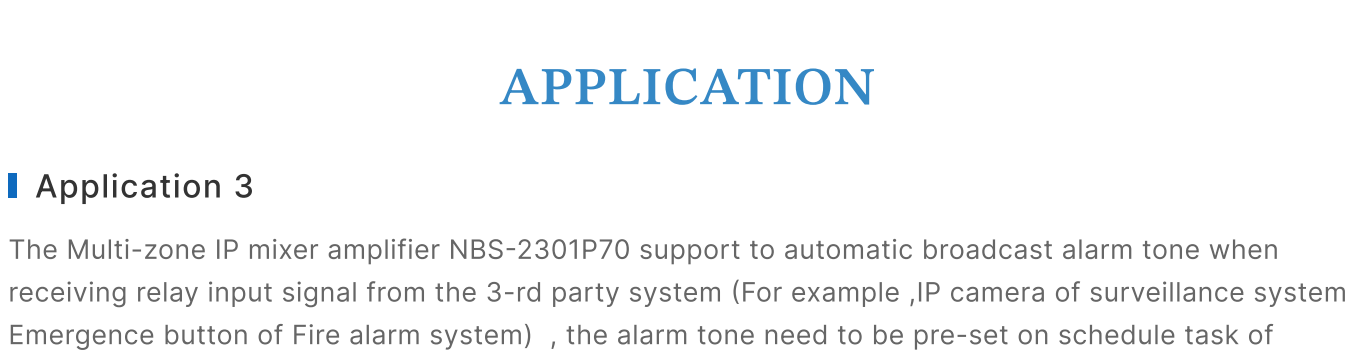


05

APPLICATION

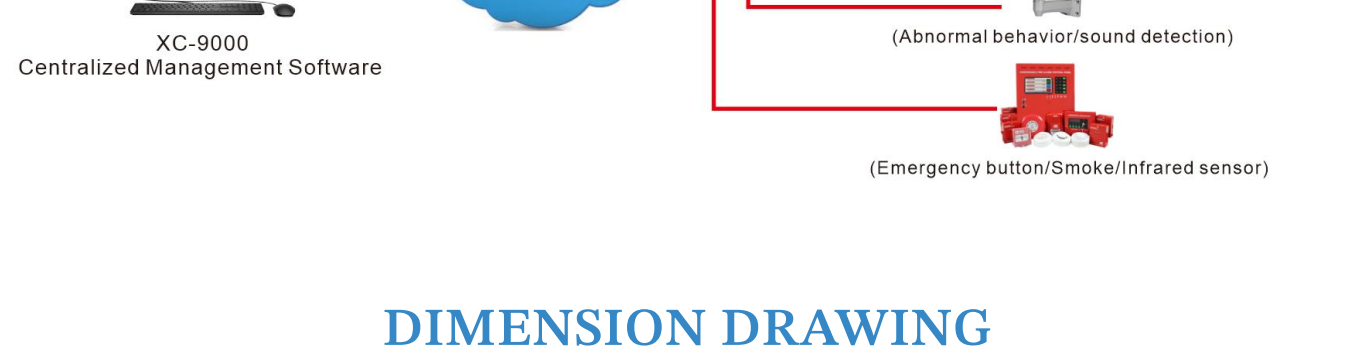
Application 1

The Multi-zone IP mixer amplifier NBS-2301P70 can receive real-time voice announcement initiated by the 3-rd party VOIP telephone、SPON IP paging microphone/APP(Windows、Android/IOS),etc. With built-in amplifier and line output interface, the voice can be transmitted to external passive speaker for amplification.



Application 2

The Multi-zone IP mixer amplifier NBS-2301P55 support offline timed broadcasting , the offline timed program need to be pre-uploaded on SD card of the amplifier, when the windwos crashed , the system can normally work.



06

APPLICATION

Application 3

The Multi-zone IP mixer amplifier NBS-2301P70 support to automatic broadcast alarm tone when receiving relay input signal from the 3-rd party system (For example ,IP camera of surveillance system、Emergency button of Fire alarm system) , the alarm tone need to be pre-set on schedule task of XC-9000 software.



DIMENSION DRAWING



Multi-zone IP mixer amplifier NBS-2301P36 in rack-mounted installation with 4pcs of white washers head screws (M3*5). Please refer to the following dimension diagram to put device in suitable cabinet.

07

CASE

