

# 4 CHANNEL 2 WAY AUDIO INTERFACE



IP BASED PA SYSTEM

## DESCRIPTION

The NVS-IP100028AA is a 4-channel, 2-way audio interface with a 1U rack-mounted design and an anti-corrosion aluminum alloy panel. It features hardware-based audio encoding and supports 4 alarm inputs and 4 alarm outputs for linkage triggering. The dry-contact outputs can interface with third-party devices for automated online control. Designed for real-time performance, it offers ultra-low voice transmission latency (broadcast delay  $\leq 30\text{ms}$ ). The unit includes a standard RJ45 port, supporting cross-network segment and router communication, ensuring seamless integration over Ethernet-enabled systems.

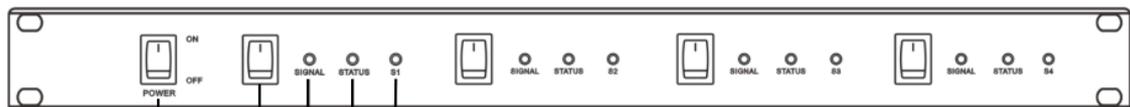
## FEATURES

- ◉ 1U rack-mounted design with anti-corrosion aluminum panel
- ◉ Hardware audio encoding with ultra-low delay ( $\leq 30\text{ms}$ )
- ◉ Standard RJ45 port supports cross-segment and router networks
- ◉ 4 independent decoder chips for simultaneous 4-channel decoding
- ◉ Remote volume adjustment via network for each input channel
- ◉ 4 relay inputs/outputs for third-party device integration

Specifications	
Model	NVS-IP100028AA
Power Supply	AC 180V~240V
Power Consumption	$\leq 20\text{W}$
Audio Codec	MP3, PCM, ADPCM
Audio Sampling & Bit Rate	22.05kHz~48kHz, 16bit
Built-in Speaker	3W, 4 $\Omega$
Signal to Noise Ratio (Broadcast Speaker)	>90dB
Frequency Response	20Hz~16KHz
Network Interface	10BASE-T/100BASE-TX RJ45
Network Protocol	HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method	Web Interface or DevConfig Tool
Mounting Method	Rack Mounted
Installation Environment	Dry Indoor Locations Only
Operating Temperature	-10°C +50°C
Operating Humidity	$\leq 90\%$ RH (Non Condensing)
Housing Material	Metal
Colour	Black
Product Weight	4.2 Kg
Product Dimensions	483x183x44 mm

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## FRONT PANEL



① Main power switch

② Power switch of each module

⑤ S1

Power indicator light of each module, the light is ON in green after power on; when power off, the light is OFF.

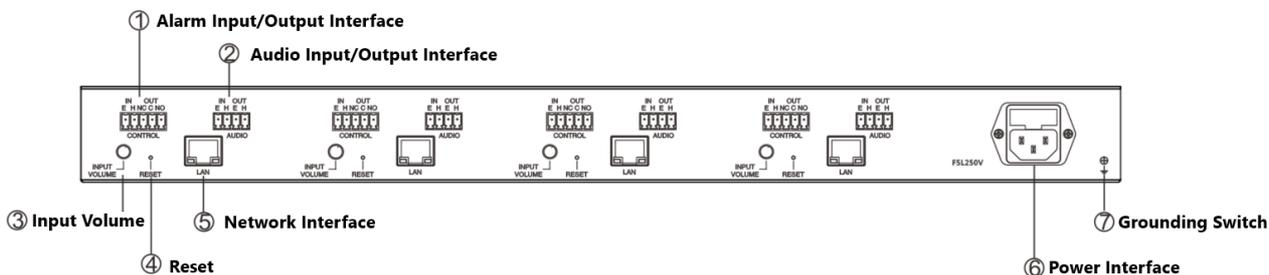
④ STATUS

Status indicator light, the light is ON in green in online status; when receiving broadcasting or in the firmware upgrade mode, the green light is quickly flash, and OFF in offline status.

③ SIGNAL

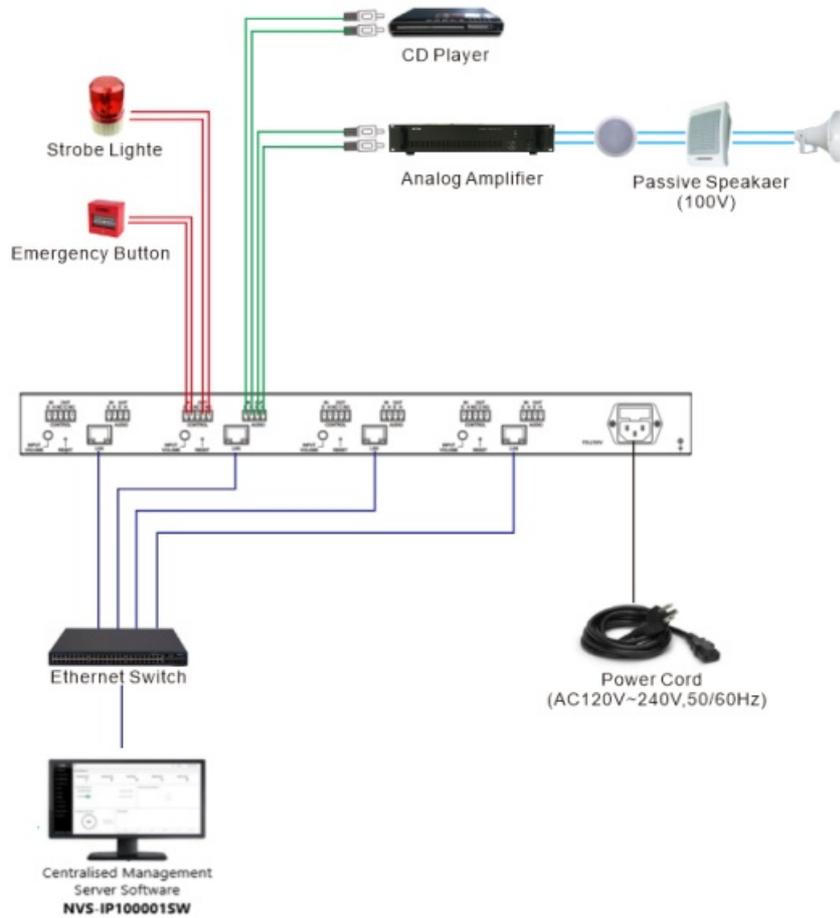
Signal indicator light, the light is OFF in idle status, when the line input signal, the light is ON in orange, brightness with audio signal strength change (the louder the volume, the light is brighter).

## REAR PANEL



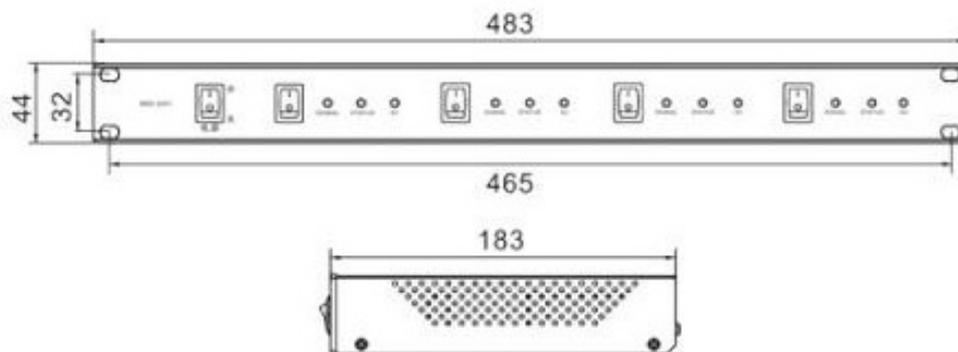
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## CONNECTION DIAGRAM



## DIMENSION

Unit: mm



**NVS-IP100028AA**



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## ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100028AA	4 CHANNEL 2 WAY AUDIO INTERFACE	01

## ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01
RCA Audio Cable	04
Power Cord (3*1.0mm <sup>2</sup> /1.5m)	01