NAS-8523DV
IP Video Intercom Panel

—

SPON IP POE Video Intercom Station NAS-8523DV with a separate microphone and speaker, allowing full duplex one-way video conversations with IP Master Stations. It is equipped with two assignable call button which used for any indoor environment .

HD 1080P   SIP   ONVIF

MAIN FEATURES

1. Robust Design and Enhanced Security

- Durable 6mm aluminum panel with anti-stab protection and special screws to prevent vandalism.

2. Communication and Connectivity

- Built-in 1080P ultra-clear camera, 3W speaker, and microphone for hands-free calls.
- Line-output interface for connecting external speakers or earphones.
- Relay I/O interface for system linkage or access control.
- Supports offline calling with predefined targets on its web UI and one-press calling set via management software.

3. Network Integration and Protocol Support

- Standard SIP protocol compatibility for integration with mainstream SIP PBX systems (Yeastar, Asterisk, Cisco, etc.).
- IEEE 802.3af interface support for flexible deployment.

SPECIFICATION

POWER PARAMETERS

Power Supply:	DC24V/1A、PoE IEEE802.3af
Standby Power Consumption:	≤3W

AUDIO & VIDEO PARAMETERS

S/N (Signal-to-Noise) Ratio:	Broadcast-Speaker:81dB Broadcast-Line:88dB Line in-Record out:82dB
Audio Sampling & Bit Rate:	22.05KHz 16bit 8kbps-320kbps
Video Transmission Bit Rate:	512Kbps-4Mbps
Video Coding:	VGA/720P/1080P
Built-in Speaker(Power output):	3W
Built-in Speaker(Impedance):	8ohm
Built-in Mic:	Electret Microphone
Built-in Mic(Sensitivity):	-45±3dB
Built-in Mic(Directivity):	Omnidirectional
Harmonic Distortion:	＜1%
Frequency Respinse:	40Hz~10KHz（WAV） 50Hz~20KHz（MP3）

NETWORK PARAMETERS

Network I/F:	10BASE-T/100BASE-TX RJ45
Network Protocol:	TCP/IP、UDP、ARP、ICMP、IGMP、SIP、HTTP、FTP
Configuartion Method:	Web Interface

MECHANICAL&ENVIRONMENT PROPERTIES

Mounting Method:	Wall-mounted
Installation Environment:	Dry Indoor Locations
Operating Temperature:	-20°C～55°C (-4°F~131°F)
Operating Humidity:	≤90% RH non-condensing
Body Material:	Aluminium alloy
Color:	Silver
Back Shell Material:	Steel
Product Dimension:	101×191×46mm
Product Weight:	0.95 kg
Product Warranty:	2 Years

ACCESSORIES

1×Power Adaptor(24V/1A)
4×Allen Screw(M3*12)
1×Allen Wrench(2.5mm)
1×Wiring Terminal(3.5-2P)
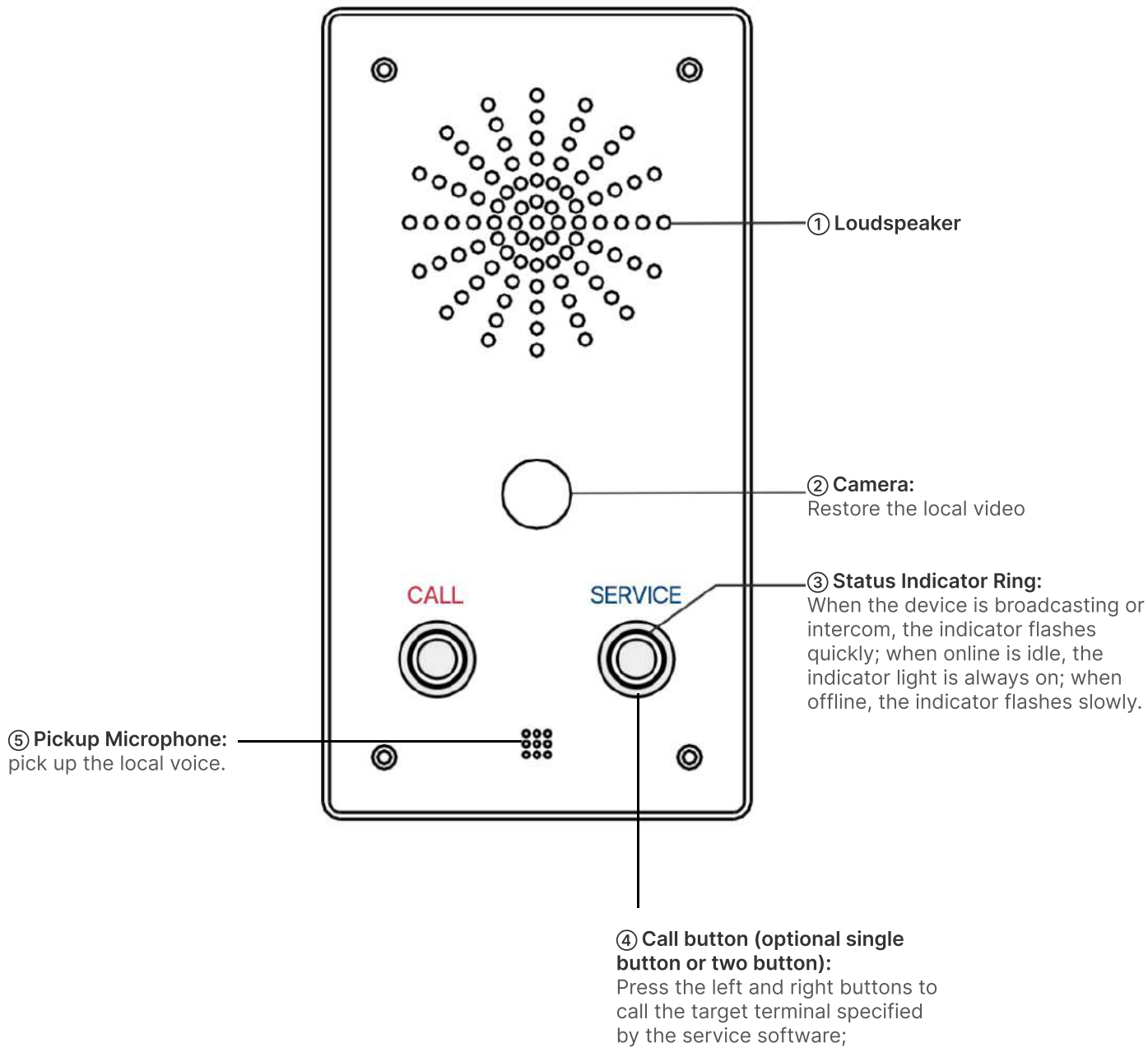1×Wiring Terminal(3.5-3P)
4×Half Round Head Philips Screw(ST4*25)
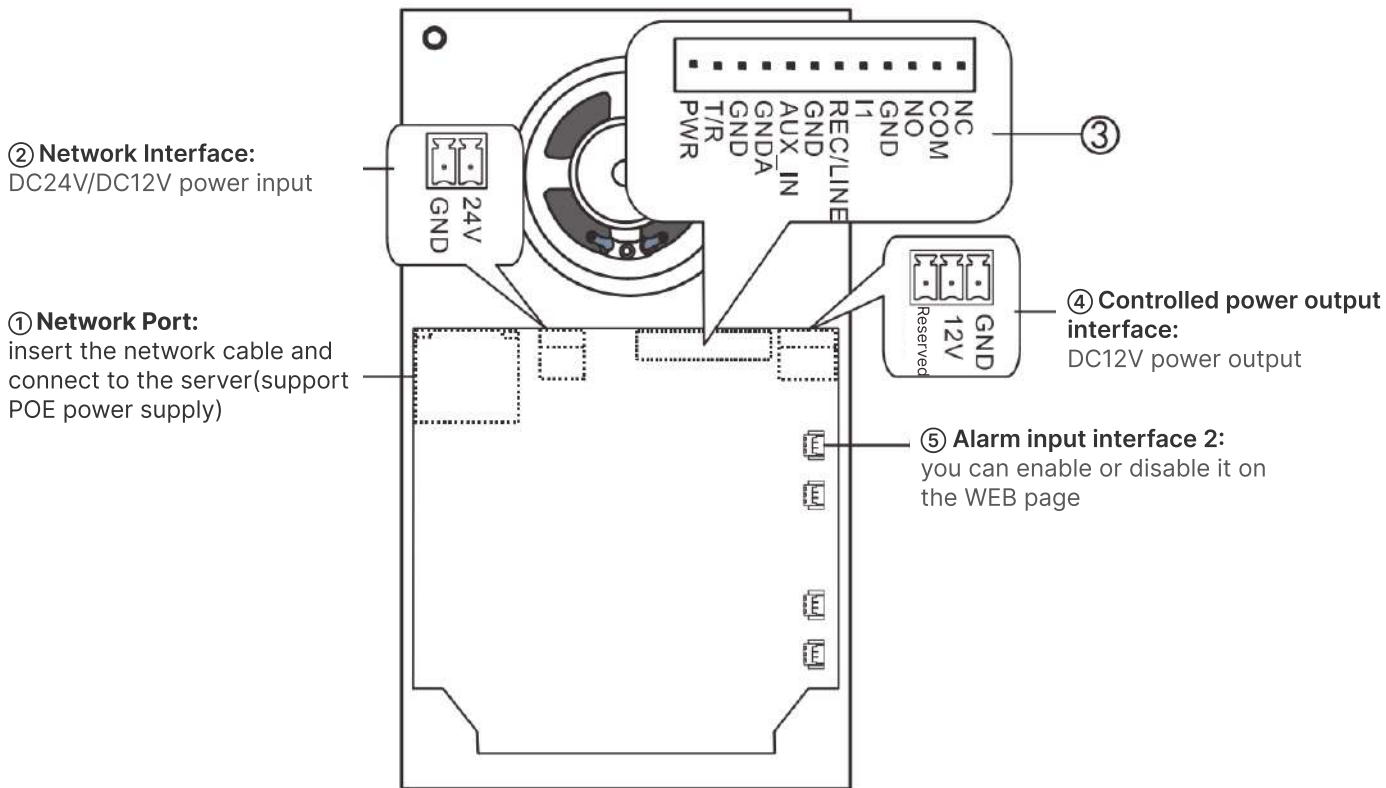1×Red-Black Line(X2-80)
1×Red-White Line(X12-100)
1×Quality Certificate&Warranty Card
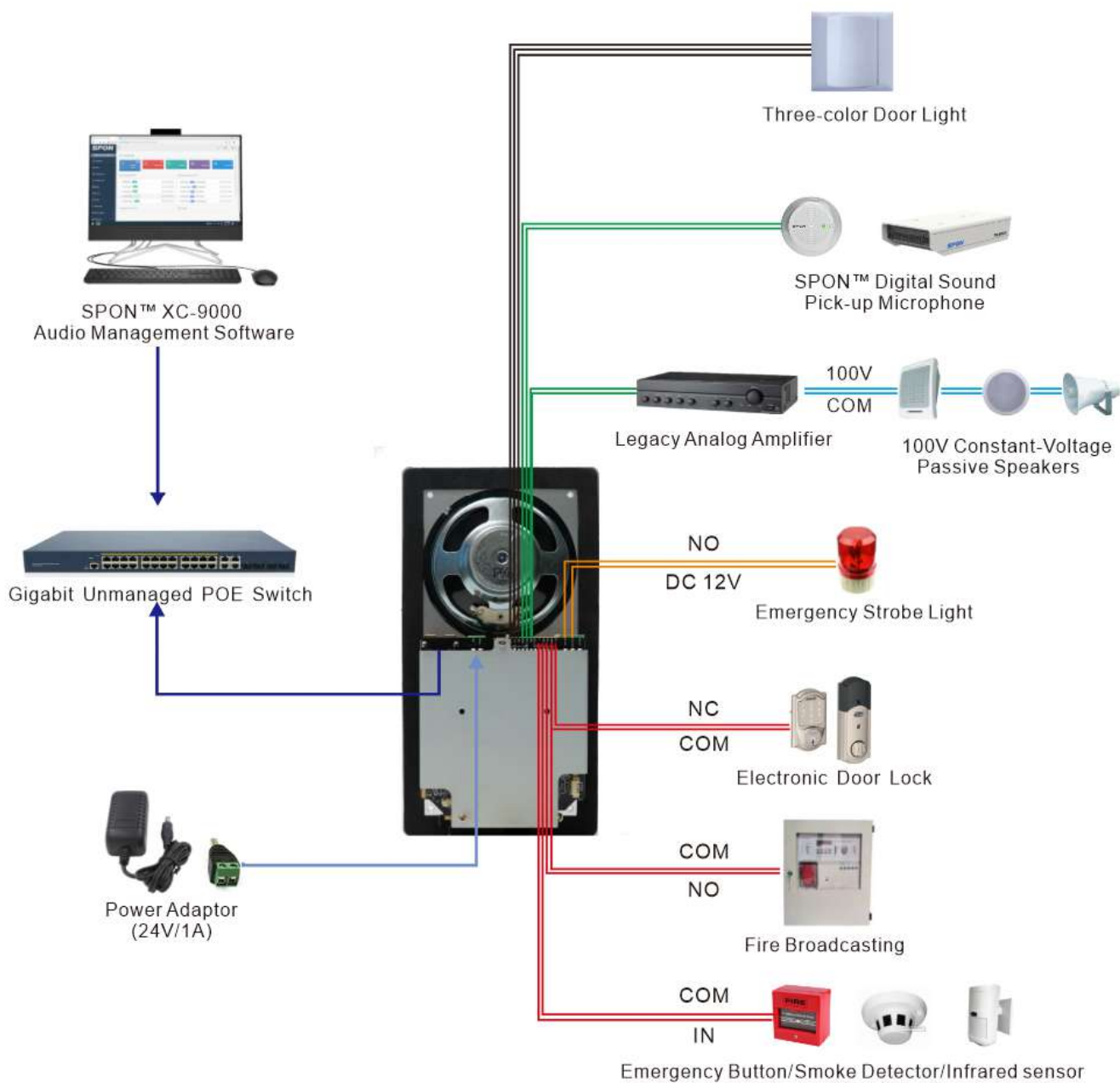1×Quick Installation Guide

PORTS DESCRIBTION

① **Loudspeaker**

② **Camera:**
Restore the local video

③ **Status Indicator Ring:**
When the device is broadcasting or intercom, the indicator flashes quickly; when online is idle, the indicator light is always on; when offline, the indicator flashes slowly.

⑤ **Pickup Microphone:**
pick up the local voice.

CALL   **SERVICE**

④ **Call button (optional single button or two button):**
Press the left and right buttons to call the target terminal specified by the service software;

PORTS DESCRIBTION

② **Network Interface:**
DC24V/DC12V power input

① **Network Port:**
insert the network cable and connect to the server(support POE power supply)

④ **Controlled power output interface:**
DC12V power output

⑤ **Alarm input interface 2:**
you can enable or disable it on the WEB page

③ **Comprehensive interface and function definition are shown in the figure below**

Alarm output（NC:normally closed,COM:COM,NO:normally open）

Alarm input 1（GND:Ground,L1:alarm input1）

Record out/line out interface(REC/LINE:Signal,GND:ground)

Line in interface(AUX_IN:Signal,GNDA:Analog ground)

Three-color door light interface(GND:Ground,T/R:Signal,PWR:Power)

CONNECTION DIAGRAM

Three-color Door Light

SPON™ Digital Sound
Pick-up Microphone

100V
COM

Legacy Analog Amplifier

100V Constant-Voltage
Passive Speakers

SPON™ XC-9000
Audio Management Software

NO
DC 12V

Emergency Strobe Light

Gigabit Unmanaged POE Switch

NC
COM

Electronic Door Lock

COM
NO

Fire Broadcasting

Power Adaptor
(24V/1A)

COM
IN

Emergency Button/Smoke Detector/Infrared sensor

APPLICATIONS

❚ Application 1

The IP POE Video Intercom Station NAS-8523DV support SIP protocol which can be independently used as a sip endpoint to integrated with mainstream VOIP system for receiving sip call from SIP phone or SIP softphone ; Meanwhile , it also can receive call from SPON IP paging microphone or mobile APP under the SPON management software .
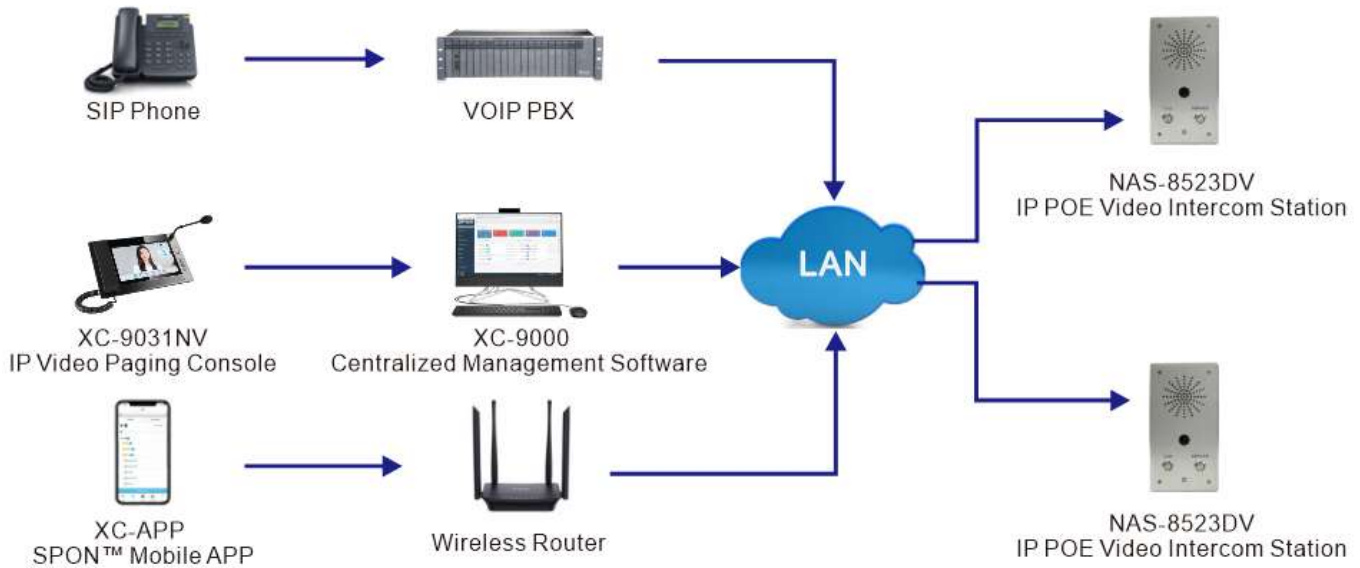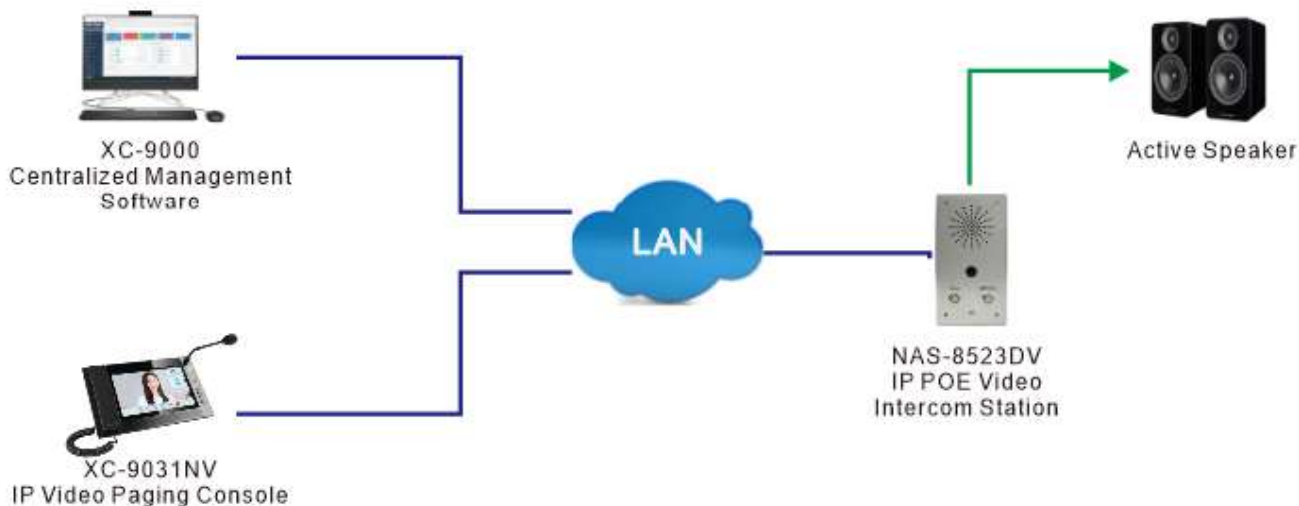
❚ Application 2

The IP POE Video Intercom Station NAS-8523DV support offline intercom function , it can receive and initiate offline calling without centralized software , the offline call target can be set on its webpage.
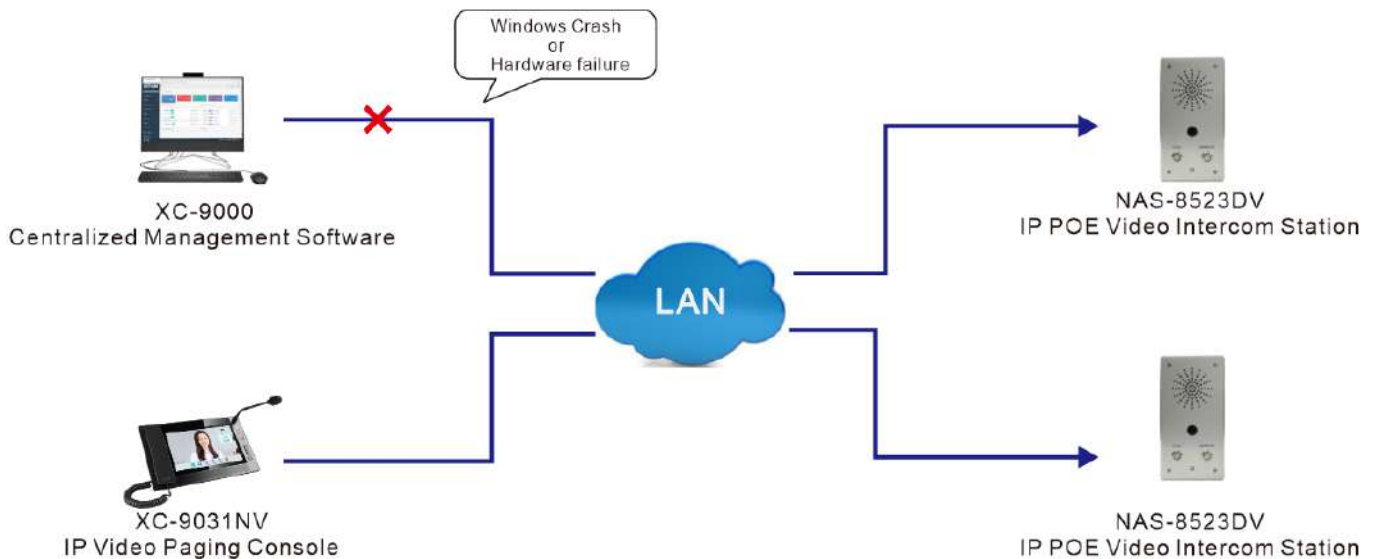
APPLICATIONS

▌ Application 3

The IP POE Video Intercom Station NAS-8523DV with built-in speaker and line output interface which can receive broadcasting from IP paging mic or Centralized management software , user can choose the sound out from built-in speaker or external active speaker.

▌ Application 4

The IP POE Video Intercom Station NAS-8523DV with relay I/O interface which can be connect with emergency button or smoke detector 、strobe light or electronic door lock . During intercom call , the relay ouput can be triggered by the remote IP paging mic .User aslo can set the task of triggering the automatic call through the emergency button in the software.
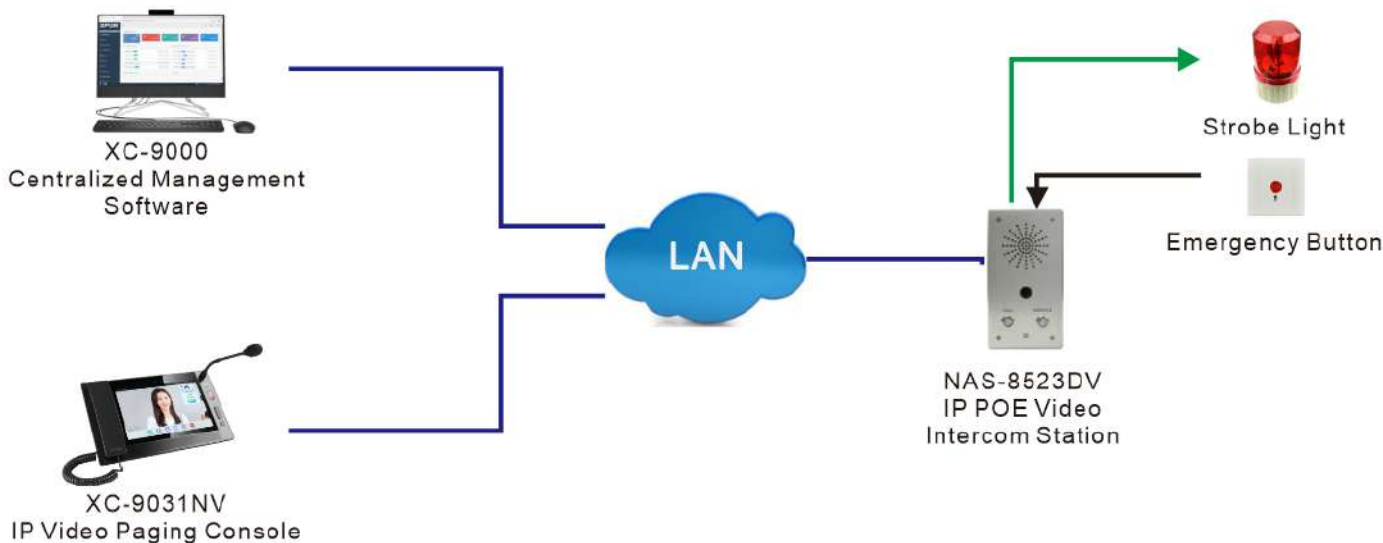
DIMENSION DRAWING

▎ Installation instructions

First use 4 plastic expansion sleeves and round head Phillips screws to install the bottom shell in a suitable position, then use 4pcs M3*12 hexagon socket screws to fix the panel on the bottom shell.

SPON Communications Co., LTD