NAS-8523CV

IP Video Intercom Panel

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

HD 1080P SIP Onvif PoE

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 802.3at interface support for flexible deployment.

SPECIFICATION

POWER PARAMETERS

Power Supply:	DC24V/1A、PoE IEEE802.3at
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 Resolution:	VGA/720P/1080P
Built-In Speaker:	3W ,8Ω
Input Sensitivity:	Line: -6dB
Harmonic Distortion:	＜1%
Frequency Response:	50Hz-20KHz ±3dB)

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

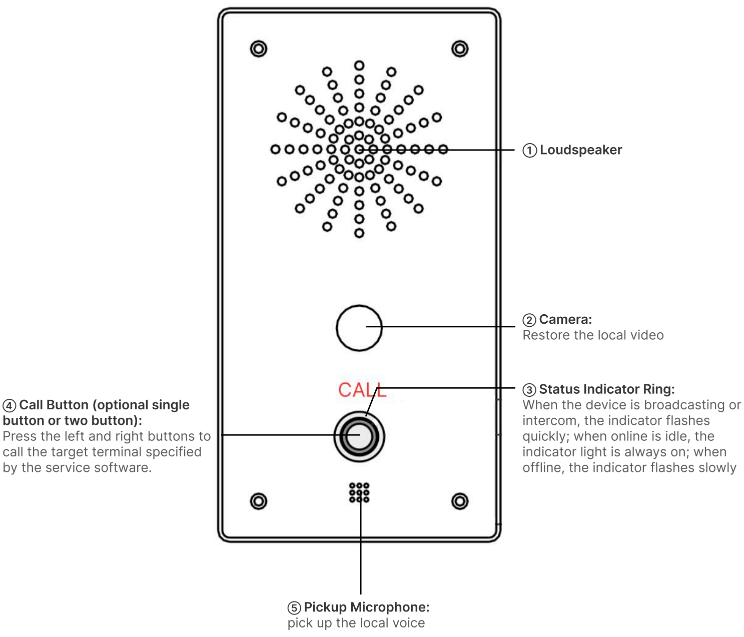
MECHANICAL&ENVIRONMENT PROPERTIES

Mounting Method:	Surface-Mounted
Installation Environment:	Dry Indoor Locations
Operating Temperature:	-20°C～+60°C
Operating Humidity:	25%~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)(Optional)
- 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**

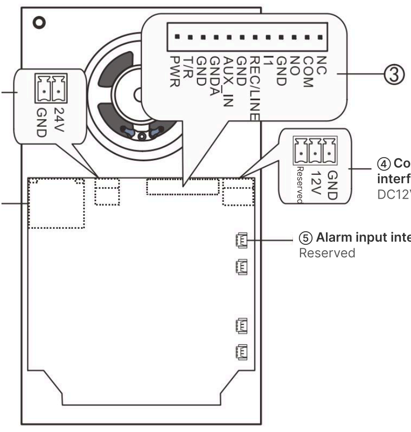
② **Camera:**
Restore the local video

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

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.

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

PORTS DESCRIBTION


24V
GND
NC
COM
NO
GND
I1
REC/LINE
GND
AUX_IN
GNDA
GND
T/R
PWR
③
GND
12V
Reserved

② Network Interface:
DC24V/DC12V power input

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

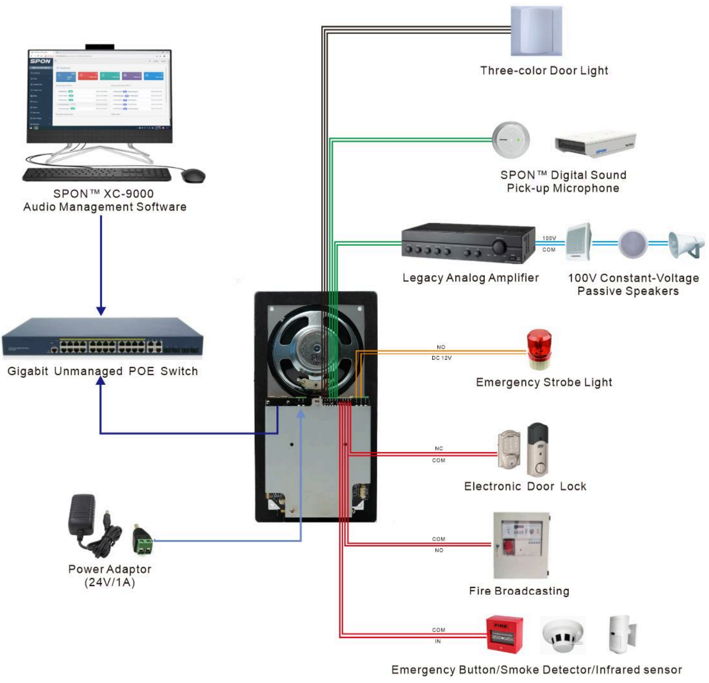
④ Controlled power output interface:
DC12V power output

⑤ Alarm input interface 2:
Reserved

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

NC COM NO	Alarm output（NC:normally closed,COM:COM,NO:normally open）
GND I1	Alarm input 1（GND:Ground,L1:alarm input1）
REC/LINE GND	Record out/line out interface(REC/LINE:Signal,GND:ground)
AUX_IN GNDA	Line in interface(AUX_IN:Signal,GNDA:Analog ground)
GND T/R PWR	Three-color door light interface(GND:Ground,T/R:Signal,PWR:Power)

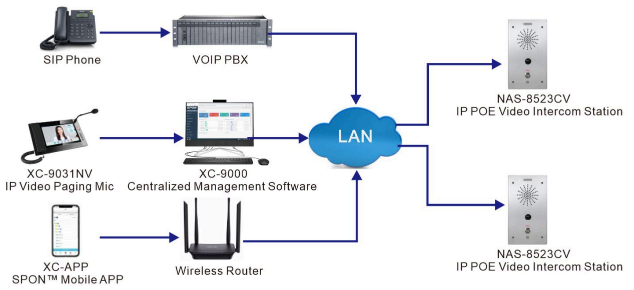
CONNECTION DIAGRAM


Three-color Door Light
SPON™ XC-9000
Audio Management Software
SPON™ Digital Sound
Pick-up Microphone
Legacy Analog Amplifier
100V
COM
100V Constant-Voltage
Passive Speakers
Gigabit Unmanaged POE Switch
NO
DC 12V
Emergency Strobe Light
NC
COM
Electronic Door Lock
Power Adaptor
(24V/1A)
COM
NO
Fire Broadcasting
COM
IN
Emergency Button/Smoke Detector/Infrared sensor

APPLICATIONS

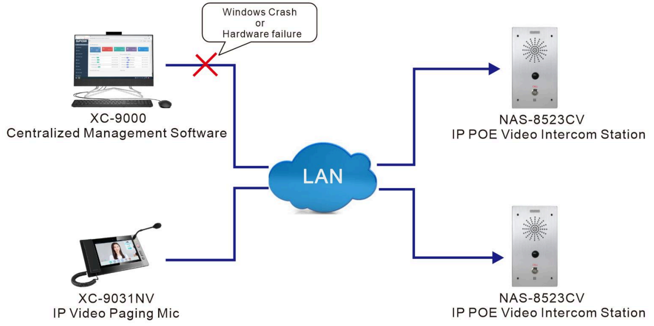
Application 1

The IP POE Video Intercom Station NAS-8523CV 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 .


SIP Phone
VOIP PBX
XC-9031NV
IP Video Paging Mic
XC-9000
Centralized Management Software
LAN
NAS-8523CV
IP POE Video Intercom Station
XC-APP
SPON™ Mobile APP
Wireless Router
NAS-8523CV
IP POE Video Intercom Station

Application 2

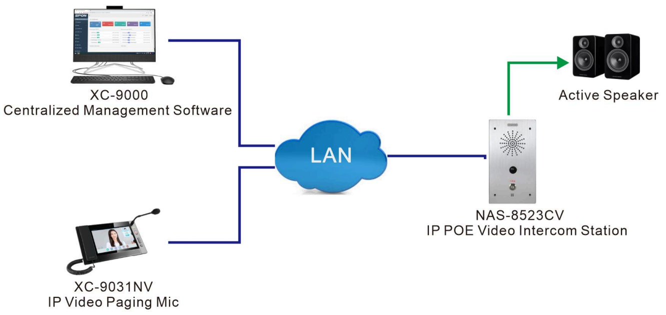
The IP POE Video Intercom Station NAS-8523CV support offline intercom function , it can receive and initiate offline calling without centralized software , the offline call target can be set on its webpage.


Windows Crash
or
Hardware failure
XC-9000
Centralized Management Software
LAN
NAS-8523CV
IP POE Video Intercom Station
XC-9031NV
IP Video Paging Mic
NAS-8523CV
IP POE Video Intercom Station

APPLICATIONS

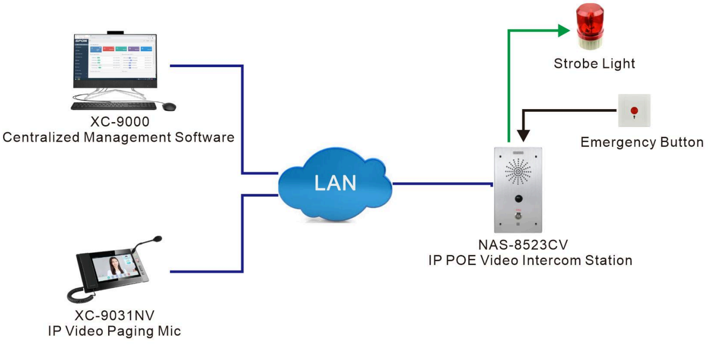
Application 3

The IP POE Video Intercom Station NAS-8523CV 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.


XC-9000
Centralized Management Software
LAN
Active Speaker
NAS-8523CV
IP POE Video Intercom Station
XC-9031NV
IP Video Paging Mic

Application 4

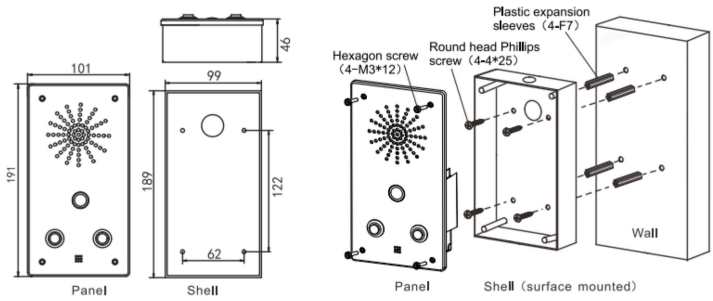
The IP POE Video Intercom Station NAS-8523CV with relay I/O interface which can be connect with emergency button or smoke detector 、strobe light or electronic door lock . During intercom call , the relay ouput can be triggered by the remote IP paging mic .User aslo can set the task of triggering the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


Strobe Light
Emergency Button
XC-9000
Centralized Management Software
LAN
NAS-8523CV
IP POE Video Intercom Station
XC-9031NV
IP Video Paging Mic

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.


101
191
Panel
46
99
189
122
62
Shell
Plastic expansion
sleeves（4-F7）
Round head Phillips
screw（4-4*25）
Hexagon screw
（4-M3*12）
Wall
Panel
Shell（surface mounted）