

## N-SP80VS1

### SIP VIDEO DOOR STATION



The N-SP80VS1 is a SIP compliant Video door station designed for use in combination with the common IP telephone system. You can make conversation with a person standing in front of the door station while monitoring its image through the built-in camera. In a dark environment such as the night, the subject will be detected by the built-in luminance sensor and its image will be taken under the infrared light irradiation. An audio echo canceller function assures high-quality hands-free conversation. Using the built-in relay output, you can unlock the nearby door. The N-SP80VS1 can be operated when connected to a PoE-compatible switching hub using a LAN cable. Another feature includes a multicast audio stream receiving function used for paging.

### Key features

## Specifications

Power Supply	PoE (IEEE802.3af) or 12 V DC
Power Consumption	12 W or less
Speech Method	Hands-free conversation
Audio Bandwidth	G.722 codec: up to 7 kHz
Hands-free	Speaker: 5 cm (1.97) Cone-type Microphone: Omni-directional electret condenser microphone
Control Input	2 channels, no-voltage make contact input, open circuit voltage: 5 V DC, short-circuit current: 10 mA or less
Control Output	2 channels, relay output, normal open/normal close output, withstand voltage: 30 V DC, control current: 1 A
DC Power Input	12 V DC
Operation Button	Call button x1, Reset button x1
Speech Features	SIP: SIPv1 (RFC2543), SIPv2 (RFC3261) Audio features: Acoustic echo canceller, VAD (Voice Activity Detection), Comfort noise generator Others: Auto answer, Volume control, Peer-to-peer connection (Direct IP connection without SIP server)
Network	Network I/F: 10BASE-T/100BASE-TX (Auto-Negotiation) Network Protocol: IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP, SIP Packet transmission system: Unicast, Multicast Paging: Multicast receive x1 Connector: RJ45 2 ports (one supports PoE (IEEE802.3af)) Quantifying bit number: Maximum 16 bits Voice encoding method: G.711 $\mu$ -law/A-law, G.722, G.729 Video compression method: H.264, MPEG-4, MJPEG Security: Password protection, IP address filtering, SIP over TLS, HTTPS
Indication	Status LED
Installation Method	Flush-mount
Operating Temperature	-20 # to +55 # (-4 # to 131 #)
Operating Humidity	10 % to 90 %RH (no condensation)
Dust/Water Protection	IP65 (Panel)
Finish	Panel: Stainless steel
Dimensions	120 (W) x 210 (H) x 49.5 (D) mm (4.72" x 8.27" x 1.95")
Weight	910 g (2.01 lb)
Included Accessories	Box mounting torx screw ...4, Torx screw driver ...1
Recommended Box	4 size back box: YC-400

## A&E specifications

The video door station shall employ a single call button allowing easy access to the system and shall utilise Session Initiation Protocol (SIP) for the purpose of high-quality transmission of audio and video and shall support audio codecs G.711a, G.711 $\mu$ , G.722, G.729 and shall use H.264, MPEG-4, MJPEG video compression methods. The video door station shall be compatible with other SIP servers, for instance, Cisco CUCM, Asterisk and Genetec Sipelia\* and shall also have ONVIF(R) compatibility for 3rd party devices. Additionally, the video door station shall be able to operate in the peer-to-peer mode with no additional requirement for a SIP server allowing an unlimited number of stations to be connected to the system. Configuration and settings shall be made via a web browser and shall be password protected. Connecting the station to a switching hub with PoE functionality shall eliminate the need for an AC adapter although it shall be possible to connect an external 12V DC power supply if required. The video door station shall employ acoustic echo cancellation that shall enable intelligible full-duplex communication. Other features shall include, 1/3" 3M pixel resolution camera, a photosensitive sensor for activation of infrared light allowing night mode operation, status indication by flexible coloured LED's, anti-vandal function via an external control input. The video door station shall have 1 integrated microphone, a 1W speaker, 2 no-voltage input contacts for alarms and 2 relay outputs for door entry. The video door station shall operate in temperatures between -20 # to + 55 # (-4 # to 131 #) and shall be compliant with IP65 against the ingress of dust and water. The dimension shall be 120 (W) x 210 (H) x 49.5 (D) mm (4.72" x 8.27" x 1.95") and finished in 316-grade stainless steel.

Optional extras: YC-400 back box manufactured by TOA Corporation.

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Manufacturer: TOA Corporation

Model: N-SP80VS1