

# SIP Video Door Phone

I33V & I33VF



The i33V&i33VF is a SIP Video Door Phone product with LCD display developed for users in the security industry. It is designed for outdoor scenes with high reliability, HD Audio/Video, and IP65/IK10 protection grade. It combines with access control, security, audio/video intercom and broadcasting functionalities for smooth/safe/clear communication

# Highlight

- Built-in HD camera with infrared night vision, adopt H.264 codec
- Access control (by call, code, RFID/IC card and indoor switch)
- All-in-one (Access control, Intercom and Broadcasting)
- HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceller (AEC)
- Protection level: IP65 and IK10
- -40°C to 70°C wide range temperature adaptability
- Support online management and upgrade
- Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, etc.

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# Specification

## Generic

2 SIP Lines, support SIP 2.0 (RFC3261) and related RFC

Duplex handsfree

Default auto answer

Intercom function

Industrial Standard Certifications: IP65&IK10, CE/FCC

## Access Control Function

Unlock door method: DTMF, password, RFID/IC card, indoor switch, WEB page

Support 5000 Remote access list

Support 5000 RFID/IC cards

Support 200,000 door open records

Support electric lock internal or external power supply options

Auto multicast function

Support ONVIF

Network Time Synchronization

Action URL / Active URI

## Audio

Wideband ADC/DAC 16KHz Sampling

Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB

Wideband CODEC: G.722

Duplex intercom with Acoustic Echo Canceller (AEC) – Hands-freeMode, 96ms tail-length

Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / BackgroundNoise Estimation (BNE)

Packet Loss Concealment (PLC)

Dynamic Adaptive jitter Buffer up to 300ms

DTMF: In-band, Out of Band DTMF (RFC2833) / SIP INFO

## Video

Sensor: 1/2.7" color CMOS

2 megapixels

Video code: H.264

Resolution: Main stream 1280×720@25fps  
Sub-stream 704×576(D1)@25fps

Viewing angle: 112° (H), 84° (V)

Minimum illumination: 0.1Lux, support for infrared illumination

## Networking

Support PoE

Primary and secondary DNS servers are supported

Support RTSP

Support SNTP client

Support VPN L2TP / openVPN

Support SRTP

Support HTTP / HTTPS web pages

Support Qos: 802.1p / q, DSCP

DHCP / static / PPPoE

Support STUN

## Protocols

SIP2.0 over UDP/TCP/TLS

RTP/RTCP/SRTP

STUN

DHCP

LLDP

PPPoE

802.1x

L2TP

OpenVPN

SNTP

FTP/TFTP

HTTP/HTTPS

TR-069

## Deployment & Maintenance

Auto-Provisioning via  
FTP/TFTP/HTTP/HTTPS/DHCP/TR069/SIP PNP

Web Management Portal

Web-based Packet Dump

Configuration Import/Export

Firmware Upgrade

Syslog

## Physical Specifications

LCD Pixel: 128x48 dots

LCD Dimension: 64x30.5x5.2 mm

Keypad: 15 keys(with backlight),including  
12 number keys  
3 function keys (Detail/Password Mode/Backspace)

1 RJ45 port, 10/100M adaptive

1 Wiegandport

1 audio output interface

1 recording output interface

2 relays: MAX DC30V / 2A, AC125V / 0.5A for door opener

Active switching output: 12V / 500mA DC(only 1 relay support)

2 indoor switch

2 door magnetic detection

1 tamper alarm switch

Temperature controller power:12V/1A(external PSU)

RFID reader: ID (EM4100,125KHz) & IC(MIFARE ONE,13.56MHz)

Power: DC12V/1A or PoE

Housing material: aluminum alloy shell

Protection level:IP65 and IK10

Installation: Wall-mounting (i33V)  
Embedded in the door (i33VF)

Working temperature: -40 ~ 70 °C

Storage temperature: -40 ~ 70 °C

Relative humidity: 10% - 90%

Equipment Dimension: 295x142x62mm

Packing Dimension: 370x194x111mm

Outer CTN Dimension: 413x360x392mm(6 PCS)

Equipment weight: i33V : 2281g  
i33VF: 2193g